

DAFTAR PUSTAKA

- Adiwiyuga, B.G., & Dudi, N.U.Z. (2023). Pengaruh Geometri Jalan Terhadap Konsumsi Bahan Bakar pada Penambangan Batubara PT Bima Nusa Internasional Site PT Kideco Jaya Agung di Kecamatan Muara Komam, Kabupaten Paser Provinsi Kalimantan Timur. *Bandung Conference Series: Mining Engineering*, 3(1), 225-231.
- Amalia, S., & Yulhendra, D. (2020). Kajian Pengaruh Total Resistance Terhadap Produktivitas Pengangkutan Batu Kapur di Front C PT. Semen Padang, Kecamatan Lubuk Kilangan, Kota Padang, Sumatera Barat. *Jurnal Bina Tambang*, 5(3), 717.
- Al-Fati, R.T., Purwoko, B., & Mukhtar, W. (2023). Evaluasi Geometri Jalan Angkut Menggunakan Standar Aashto PT. Karya Sumber Alam Perkasa Di Desa Bunut, Kecamatan Tayan Hulu, Kabupaten Sanggau, Provinsi Kalimantan Barat. *Jurnal Teknik Kelautan, PWK, Sipil, dan Tambang*, 10(3), 1-6.
- Ardian, R., Maryanto, & Solihin. (2020). Kajian Pengaruh Jarak dan Kemiringan Jalan terhadap Konsumsi Bahan Bakar dengan Menggunakan Analisis Regresi Linier Berganda di Tambang Sirtu CV Arindo, Desa Paseh Kaler, Kecamatan Paseh Kabupaten Sumedang, Provinsi Jawa Barat. *Prosiding Teknik Pertambangan*, 201-209.
- Awuah-Offei, K, Osei, B, & Askari-Nasab, H. (2011). Modeling Truck/Shovel Energy Efficiency Under Uncertainty. *Transactions of the Society of Mining, Metallurgy, and Exploration*, 330, 1-20.
- Burau, A.V., Sanmiquel, D.A.R.L., & Bascompta, M. (2023). A Comparison of the Fuel Consumption and Truck Models in Different Production Scenarios. *Applied Sciences*. 13(5769), 1-19.
- Burdenski, T.K.Jr. (2000). *Evaluating Univariate, Bivariate and Multivariate Normality Using Graphical Procedures*. Paper Presented at the Annual Meeting of the American Educational Research Association. New Orleans.
- Beuving, E., De Jonghe, T., Goos, D., Lindahl, T., & Stawiarski, A. (2004). Environmental impacts and fuel efficiency of road pavements. *European Roads Review*, 2.
- Dirjen Migas (2019). Spesifikasi B0 dan B30 Dirjen Migas. Keputusan Dirjen Migas No. 146.K/10/DJM/2020 tentang Standar dan Mutu (Spesifikasi) Bahan Bakar Minyak Jenis Solar yang Dipasarkan di Dalam Negeri. strolab.co.id/wp-content/uploads/2021/09/WEBINAR-BIODIESEL-30.pdf burt.



- Dindarloo, S.R., & Irdemoosa, E.S. (2016). Determinants of Fuel Consumption in Mining Trucks. *Energy*, 112, 232-240.
- Golbasi, O., & Kina, E. (2022). Haul Truck Fuel Consumption Modeling Under Random Operating Conditions: A case study. *Transportation Research*, 102, 1-21.
- Hays, M.R. (1990). *Trucks* dalam Kennedy, B.A. *Surface Mining Handbook*. Society for Mining, Metallurgy, and Exploration, Littleton, CO, pp. 672-691.
- Hustrulid, W., Kuchta, M., & Martin, K. (2013). *Open Pit Mine Planning and Design, 3rd ed. Vol. 1*. FL: CRC Press. Boca Raton.
- Himawan, M.A.R., Nurhakim, & Annisa. (2019). Analisis Optimasi Fuel Ratio Peralatan Mekanis dalam Aktivitas Penggalian dan Pengangkutan Overburden PT Madhani Talatah Nusantara. *Jurnal Himasapta*, 4(2), 77-80.
- Kurniawan, A., Amin, A., & Bochori. (2019). The Effect Of Road Geometry Before And After The Improvement Of Roads On The Productivity And Fuel Consumption And Fuel Ratio. *Jurnal Pertambangan*, 3(1), 26-35.
- Mubarak, R. (2021). *Pengantar Ekonometrika Edisi Pertama*. Duta Media Publishing. Pamekasan.
- Nurkhamim, Adha, H.R., Cahyadi, T.A., Kresno, & Inmarlinianto. (2023). Analisis Konsumsi Bahan Bakar Alat Angkut Ud Quester Cwe 370 Dalam Kegiatan Pengangkutan Bijih Nikel. *Indonesian Mining Professionals Journal*, 5(1), 7-20.
- Ningrum, W.E., & Yulhendra, D. (2023). Optimalisasi Produktivitas Alat Gali Muat Rocker Shovel Dan Alat Angkut Angkut Grandby Mine Car Untuk Menunjang Tercapainya Produksi Bijih Emas (Primer) Pada Kegiatan Penambangan Tambang Bawah Tanah PT. Dempo Maju Cemerlang. *Jurnal Bina Tambang*, 8(3), 101-112.
- Nelvi, A. (2023). Analisis Konsumsi Bahan Bakar Truck Mitsubishi Fuso 220 pada Pengangkutan Batubara berdasarkan Rimpull (Studi Kasus: PT Haswi Kencana Indah), *Jurnal Teknik dan Teknologi Tepat Guna*, 2(1), 131-139.
- Octova, A., & Ramadhan, R.T.I. (2019). Analisis Konsumsi Bahan Bakar Dump Truck Nissan UD CWM 330 Pada Penambangan Batubara di PT. Nan Riang. *Jurnal Inovasi Vokasional dan Teknologi*, 19(2), 103-114.



J.W., & Waters, E. (2019). Four Assumptions for Multiple Regression at Researchers Should Always Test. *Practical Assessment, Research, and Evaluation*, 8(2), 1-5.

- Pratama, A.W., & Anaperta, Y.M. (2023). Analisis Hubungan Total Resistance dan Kemiringan Jalan Terhadap Konsumsi Bahan Bakar Dump Truck Hino 500 FM 260 JD pada Kegiatan Penambangan Bauksit di PT. Bhakti Karya Mandiri Site Teraju, Kabupaten Sanggau, Provinsi Kalimantan Barat. *Jurnal Bina Tambang*, 5(5), 89-100.
- Pratama, H., & Murad. (2019). Efisiensi Produktivitas Peralatan Tambang Untuk Mencapai Target Produksi Area (412 Ha) PT. Semen Padang (Persero) Tbk. *Jurnal Bina Tambang*, 4(2), 1-10.
- Peurifoy, R.L. (1998). *Construction Planning Equipment and Methods*. McGraw-Hill: New York.
- Purnomo, Utomo, W., Farich, R., Fajarwati, R., & Gilang, N. (2022). *Analisis Data Multivariant*. Omera Pustaka. Jawa Tengah.
- Putri, F.A.R. (2021). *Ratio Bahan Bakar HD 465-7 Berdasarkan Kemiringan Jalan Menggunakan Analisis Multivariant pada Pit X PT. ABC. Prosiding Seminar Teknologi Kebumihan dan Kelautan (SEMITAN III)*, 3(1), 403-408.
- Prijasambada. (2007). *Peralatan Konstruksi*. Jurusan Teknik Sipil, UPI Y.A.I, Jakarta.
- Posada-Henao, J.J., Sarmiento-Ordosgoitia, I., & Correa-Espinal, A.A. (2023). Effects of Road Slope and Vehicle Weight on Truck Fuel Consumption. *Sustainability*, 15(724), 1-19.
- Ramadhani, A.F., Rauf, A., Hariyanto, R., & Lusantono, O.W. (2022). Kajian Produktivitas Alat Muat Dan Alat Angkut Berdasarkan Match Factor Dan Teori Antrian Pada Kegiatan Pengangkutan Ore (Eto Efo) Di PT Djawa Berkah Mineral Site PT Bumanik, Kabupaten Morowali Utara Sulawesi Tengah. *Jurnal Teknologi Pertambangan*, 8(2), 151-159.
- Republik Indonesia. (2018). *Keputusan Menteri Energi dan Sumber Daya Mineral Republik Indonesia Nomor 1827 K/30/MEM/2018 tentang Pedoman Pelaksanaan Kaidah Teknik Pertambangan yang Baik*. Jakarta: Kementerian Energi dan Sumber Daya Mineral Republik Indonesia.
- Saputra, A., Sumarya, & Heriyadi, B. (2019). Evaluasi dan Perbaikan Jalan Tambang Menggunakan Software Garmin Virb Xe di PT Riung Mitra Lestari Job Site Embalut Kalimantan Timur. *Jurnal Bina Tambang*, 4(3), 22-31.



Sari, I. P. (2021). Fuel Consumption Efficiency Regarding the Road Quality in the Coal Mine: A Case Study. *Jurnal Sistem dan Manajemen Industri*, 1(1), 25-34.

- Sarmidi, Mases, Y., & Nuryanneti, I. (2023). Kajian Produktivitas Alat Gali Muat dan Alat Angkut pada Pengupasan Overburden di *Pit TSBC*, Tambang Air Laya, PT. Bukit Asam, Tbk. *Surya Teknika*, 10(2), 900-907.
- Sihombing, F.J.S., Pangaribuan, O., & Tambun, B. (2022). Analisa Pengaruh Geometri Jalan Angkut Terhadap Penggunaan Konsumsi Bahan Bakar di Tambang Batubara Site Perambahan Kota Sawah Lunto Provinsi Sumatera Barat. *Jurnal Ruang Luar dan Dalam FTSP*, 4(2), 125-137.
- Setiawan. (2022). Perencanaan Pembuatan Jalan Tambang Pada Mine Development And Sga Plant Project Pt. Antam Tbk, Komoditas Bauksit, Kabupaten Mempawah, Provinsi Kalimantan Barat. *Jurnal Teknik Kelautan, PWK, Sipil, dan Tambang*, 9(1).
- Su, M., Zhenqing, S., Shengli, C., Shengli, P., & Sung-Hoon, B. (2023). Fuel Consumption Prediction and Optimization Model for Pure Car/Truck Transport Ships. *Journal of Marine Science and Engineering*, 11(1231), 1-28.
- Tania, F., Syafrianto, M.K., & Setiawati, S. (2021). Evaluasi Geometri Jalan Angkut Tambang Dari Front Penambangan Menuju Lokasi Washing Plant PT Cita Mineral Investindo Tbk (CITA) Kecamatan Sandai Kabupaten Ketapang. *Jurnal Teknik Kelautan, PWK, Sipil, dan Tambang*, 8(2), 1-8.
- Wang, Q., Zhang, R., Shuaikang, & Yangting, W. (2021). Open-Pit Mine Truck Fuel Consumption Pattern and Application Based on Multi-Dimensional Features and XGBoost. *Sustainable Energy Technologies and Assessments*, 43, 1-10.
- Wincono, R.R., & Horman, J.R. (2019). Analisis Pengaruh Kemiringan Jalan Angkut Terhadap Konsumsi Bahan Bakar Dump Truck Hino 500 FG 235 JJ. *INTAN Jurnal Penelitian Tambang*, 2(2), 155-160.
- Zahriyah, A., Suprianik, Parmono, A., & Mustofa. (2021). *Ekonometrika*. Mandala Press. Jawa Timur.





LAMPIRAN 1
WAKTU TEMPUH DAN WAKTU EDAR
ARTICULATED CAT 745



Tabel 1.1. Waktu tempuh dan waktu edar *Articulated* CAT 745

DATA UMUM			DATA HAULER UNIT			DATA LOADER UNIT		
Hari	:	Selasa	No Unit	:	005	No Unit	:	004
Tanggal	:	06/02/2024	Jenis Unit	:	ADT CAT 745	Jenis Unit	:	Komatsu PC 400
Waktu	:	09.15	Kap. Vessel	:	40 ton	Kap. Bucket	:	3,2 m ³
Cuaca	:	Berawan						
Lokasi	:	Pit Makale						

Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
1	A-B	0,00	43,67	107,16	32,76	0,00	59,09	44,67	L-K	17,08	0,00	960,16	16,00
	B-C				29,12				K-J	34,16			
	C-D				90,99				J-I	68,32			
	D-E				21,84				I-H	17,08			
	E-F				14,56				H-G	15,37			
	F-G				12,74				G-F'	11,96			
	G-H				16,38				F'-E	13,66			
	H-I				18,20				E-D	20,50			
					72,79				D-C	85,40			
					36,40				C-B	27,33			
					18,20				B-A	30,74			
					33,96				L-K	17,17			
					30,18				K-J	34,33			
		0,00	46,81	117,21		0,00	87,54	40,96			0,00	1013,12	16,89



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
	C-D				94,32				J-I	68,66			
	D-E				22,64				I-H	17,17			
	E-F				15,09				H-G	15,45			
	F-G				13,21				G-F'	12,02			
	G-H				16,98				F'-E	13,73			
	H-I				18,86				E-D	20,60			
	I-J				75,46				D-C	85,83			
	J-K				37,73				C-B	27,46			
	K-L				18,86				B-A	30,90			
3	A-B				35,13				L-K	16,45			
	B-C				31,23				K-J	32,89			
	C-D				97,59				J-I	65,78			
	D-E				23,42				I-H	16,45			
	E-F				15,61				H-G	14,80			
	F-G	71,56	44,18	96,47	13,66	0,00	73,31	48,61	G-F'	11,51	0,00	1053,40	17,56
	G-H				17,57				F'-E	13,16			
	H-I				19,52				E-D	19,73			
	I-J				78,07				D-C	82,23			
	I-K				39,04				C-B	26,31			
					19,52				B-A	29,60			
					34,88				L-K	16,53			
		0,00	38,19	128,63	31,00		84,31	50,14	K-J	33,06	0,00	1088,17	18,14
					96,88				J-I	66,13			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
5	D-E	0,00	30,71	110,81	23,25	0,00	65,49	46,83	I-H	16,53	0,00	1044,61	17,41
	E-F				15,50				H-G	14,88			
	F-G				13,56				G-F'	11,57			
	G-H				17,44				F'-E	13,23			
	H-I				19,38				E-D	19,84			
	I-J				77,50				D-C	82,66			
	J-K				38,75				C-B	26,45			
	K-L				19,38				B-A	29,76			
	A-B	0,00	30,71	110,81	35,54	0,00	65,49	46,83	L-K	15,16	0,00	1041,51	17,36
	B-C				31,59				K-J	30,33			
	C-D				98,71				J-I	60,66			
	D-E				23,69				I-H	15,16			
	E-F				15,79				H-G	13,65			
	F-G				13,82				G-F'	10,62			
	G-H				17,77				F'-E	12,13			
	H-I				19,74				E-D	18,20			
	I-J				78,97				D-C	75,82			
	J-K				39,48				C-B	24,26			
	K-L				19,74				B-A	27,30			
		35,89	48,39	115,62	32,45	0,00	84,03	49,43	L-K	17,38	0,00	1041,51	17,36
					28,85				K-J	34,76			
					90,15				J-I	69,51			
					21,64				I-H	17,38			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
	E-F				14,42				H-G	15,64			
	F-G				12,62				G-F'	12,16			
	G-H				16,23				F'-E	13,90			
	H-I				18,03				E-D	20,85			
	I-J				72,12				D-C	86,89			
	J-K				36,06				C-B	27,80			
	K-L				18,03				B-A	31,28			
	Rata-rata (Detik)	17,91	41,99	112,65	34,46	11,46	75,63	46,77		30,23	15,44	1033,50	
	Rata-rata (Menit)	0,30	0,70	1,88	0,57	0,19	1,26	0,78		0,50	0,26		17,22

Keterangan

-  Antri loading
-  Alat angkut berpapasan



DATA UMUM		DATA HAULER UNIT		DATA LOADER UNIT	
Hari	: Rabu	No Unit	: 005	No Unit	: 004
Tanggal	: 07/02/2024	Jenis Unit	: ADT CAT 745	Jenis Unit	: Komatsu PC 400 LC
Waktu	: 09.30	Kap. Vessel	: 40 ton	Kap. Bucket	: 3,2 m ³
Cuaca	: Cerah				
Lokasi	: Pit Makale				

Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
1	A-B				34,97				L-K	15,36			
	B-C				31,09				K-J	30,72			
	C-D				97,15				J-I	61,43			
	D-E				23,32				I-H	15,36	127,54		
	E-F				15,54				H-G	13,82			
	F-G	230,71	71,03	92,40	13,60		87,39	45,47	G-F'	10,75		1364,67	22,74
	G-H				17,49	14,37			F'-E	12,29			
	H-I				19,43				E-D	18,43			
	I-J				77,72				D-C	76,79			
	J-K				38,86				C-B	24,57			
	K-L				19,43				B-A	27,64			
					32,46				L-K	17,31			
					28,86				K-J	34,62			
		0,00	24,86	70,35	90,18	0,00	71,90	46,50	J-I	69,23		957,16	15,95
					21,64				I-H	17,31	36,68		
					14,43				H-G	15,58			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
3	F-G	0,00	58,33	98,31	12,62	49,87	109,65	48,26	G-F'	12,12	30,26	1041,45	17,36
	G-H				16,23				F'-E	13,85			
	H-I				18,04				E-D	20,77			
	I-J				72,14				D-C	86,54			
	J-K				36,07				C-B	27,69			
	K-L				18,04				B-A	31,15			
	A-B	0,00	58,33	98,31	29,64	502,56	100,51	42,00	L-K	15,87	0,00	1468,47	24,47
	B-C				26,35				K-J	31,74			
	C-D				82,33				J-I	63,49			
	D-E				19,76				I-H	15,87			
	E-F				13,17				H-G	14,28			
	F-G				11,53				G-F'	11,11			
	G-H				14,82				F'-E	12,70			
	H-I				16,47				E-D	19,05			
	I-J				65,87				D-C	79,36			
	J-K				32,93				C-B	25,40			
	K-L				16,47				B-A	28,57			
	A-B	0,00	24,85	95,32	32,46	502,56	100,51	42,00	L-K	17,13	0,00	1468,47	24,47
	B-C				28,86				K-J	34,25			
					90,18				J-I	68,50			
					21,64				I-H	17,13			
					14,43				H-G	15,41			
					12,63				G-F'	11,99			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
5	G-H				16,23				F'-E	13,70			
	H-I				18,04				E-D	20,55			
	I-J				72,14				D-C	85,63			
	J-K				36,07				C-B	27,40			
	K-L				18,04				B-A	30,83			
	A-B				35,04				L-K	16,27			
	B-C				31,14				K-J	32,54			
	C-D				97,32				J-I	65,08			
	D-E				23,36				I-H	16,27			
	E-F				15,57				H-G	14,64			
	F-G	68,59	19,75	134,61	13,62		107,78	62,61	G-F'	11,39	0,00	1188,49	19,81
	G-H				17,52	80,47			F'-E	13,02			
	H-I				19,46				E-D	19,52			
	I-J				77,86				D-C	81,35			
	J-K				38,93				C-B	26,03			
	K-L				19,46				B-A	29,29			
	A-B				33,61				L-K	16,86			
	B-C				29,88				K-J	33,73			
	C-D				93,37				J-I	67,46			
		160,02	31,36	130,03	22,41	0,00	97,15	44,17	I-H	16,86	0,00	1173,48	19,56
					14,94				H-G	15,18			
					13,07				G-F'	11,80			
					16,81				F'-E	13,49			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
7	H-I	0,00	57,61	89,63	18,67	0,00	98,65	45,53	E-D	20,24	0,00	1009,41	16,82
	I-J				74,69				D-C	84,32			
	J-K				37,35				C-B	26,98			
	K-L				18,67				B-A	30,36			
	A-B				33,96				L-K	17,04			
	B-C				30,18				K-J	34,07			
	C-D				94,32				J-I	68,14			
	D-E				22,64				I-H	17,04			
	E-F				15,09				H-G	15,33			
	F-G				13,20				G-F'	11,92			
	G-H				16,98				F'-E	13,63			
	H-I				18,86				E-D	20,44			
	I-J				75,46				D-C	85,18			
	J-K				37,73				C-B	27,26			
	K-L				18,86				B-A	30,66			
	A-B				35,21				L-K	17,81			
	B-C				31,30				K-J	35,62			
	C-D				97,80				J-I	71,25			
	D-E				23,47				I-H	17,81			
					15,65				H-G	16,03			
					13,69				G-F'	12,47			
					17,60				F'-E	14,25			
					19,56				E-D	21,37			
					78,24				D-C	89,06			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
9	J-K	0,00	47,61	121,15	39,12	37,91	89,34	48,53	C-B	28,50	0,00	1040,39	17,34
	K-L				19,56				B-A	32,06			
	A-B				33,07				L-K	16,42			
	B-C				29,40				K-J	32,84			
	C-D				91,87				J-I	65,68			
	D-E				22,05				I-H	16,42			
	E-F				14,70				H-G	14,78			
	F-G				12,86				G-F'	11,49			
	G-H				16,54				F'-E	13,14			
	H-I				18,37				E-D	19,70			
	I-J				73,49				D-C	82,10			
	J-K				36,75				C-B	26,27			
	K-L				18,37				B-A	29,55			
	A-B				35,15				L-K	17,54			
	B-C				31,24				K-J	35,07			
	C-D				97,63				J-I	70,15			
	D-E				23,43				I-H	17,54			
	E-F				15,62				H-G	15,78			
10	F-G	92,17	50,21	95,10	13,67	0,00	89,61	46,74	G-F'	12,28	0,00	1115,10	18,59
					17,57				F'-E	14,03			
					19,53				E-D	21,04			
					78,11				D-C	87,69			
					39,05				C-B	28,06			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
	K-L				19,53				B-A	31,57			
	Rata-rata (Detik)	55,15	41,99	102,76	33,90	68,52	95,91	47,46		30,47	19,45	1139,30	189,88
	Rata-rata (Menit)	0,92	0,70	1,71	0,56	1,14	1,60	0,79		0,51	0,32		18,99

Keterangan

- Antri loading
- Alat angkut berpapasan



DATA UMUM			DATA HAULER UNIT			DATA LOADER UNIT		
Hari	:	Kamis	No Unit	:	4	No Unit	:	4
Tanggal	:	08/02/2024	Jenis Unit	:	ADT CAT 745	Jenis Unit	:	Komatsu PC 400 LC
Waktu	:	13.30	Kap. Vessel	:	40 ton	Kap. Bucket	:	3,2 m ³
Cuaca	:	Cerah						
Lokasi	:	Pit Makale						

Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
1	A-B				27,28				L-K	17,73			
	B-C				24,25				K-J	35,47			
	C-D				75,77				J-I	70,94	20,74		
	D-E				18,18				I-H	17,73			
	E-F				12,12				H-G	15,96			
	F-G	23,13	116,61	149,59	10,61	0,00	28,80	27,97	G-F'	12,41		1024,61	17,08
	G-H				13,64				F'-E	14,19			
	H-I				15,15				E-D	21,28			
	I-J				60,62				D-C	88,67			
	J-K				30,31				C-B	28,38			
	K-L				15,15				B-A	31,92			
					28,31				L-K	16,68			
		87,71	48,73	71,14	25,16		55,75	38,26	K-J	33,36	0,00	989,73	16,50
					78,63				J-I	66,71			
					18,87				I-H	16,68			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
3	E-F				12,58				H-G	15,01			
	F-G				11,01				G-F'	11,67			
	G-H				14,15	40,06			F'-E	13,34			
	H-I				15,73				E-D	20,01			
	I-J				62,91				D-C	83,39			
	J-K				31,45				C-B	26,68			
	K-L				15,73				B-A	30,02			
	A-B				29,70				L-K	15,01			
	B-C				26,40				K-J	30,02			
	C-D				82,49				J-I	60,03			
	D-E				19,80				I-H	15,01			
	E-F				13,20				H-G	13,51			
	F-G	38,29	48,73	93,25	11,55		38,62	21,96	G-F'	10,51	0,00	991,20	16,52
	G-H				14,85	120,24			F'-E	12,01			
	H-I				16,50				E-D	18,01			
	I-J				65,99				D-C	75,04			
	J-K				33,00				C-B	24,01			
	K-L				16,50				B-A	27,01			
	A-B				32,13				L-K	15,61			
					28,56				K-J	31,23			
		552,04	33,57	149,56	89,26	0,00	31,40	28,68	J-I	62,45		1485,67	24,76
					21,42				I-H	15,61			
					14,28				H-G	14,05			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
5	F-G				12,50				G-F'	10,93	21,12		
	G-H				16,07				F'-E	12,49			
	H-I				17,85				E-D	18,74			
	I-J				71,41				D-C	78,07			
	J-K				35,70				C-B	24,98			
	K-L				17,85				B-A	28,10			
	A-B				35,87				L-K	16,48			
	B-C				31,89				K-J	32,95			
	C-D				99,65				J-I	65,90			
	D-E				23,92				I-H	16,48	160,97		
	E-F				15,94				H-G	14,83			
	F-G	54,06	48,73	139,77	13,95		41,87	24,44	G-F'	11,53		1216,79	20,28
	G-H				17,94				F'-E	13,18			
	H-I				19,93				E-D	19,77			
	I-J				79,72				D-C	82,38			
	J-K				39,86	18,83			C-B	26,36			
	K-L				19,93				B-A	29,66			
	A-B				30,41				L-K	20,38			
	B-C				27,03				K-J	40,76			
					84,48				J-I	81,52			
		357,46	48,27	105,64	20,27	0,00	29,50	27,42	I-H	20,38	15,27	1329,05	22,15
					13,52				H-G	18,34			
					11,83				G-F'	14,27			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
7	G-H	0,00	32,94	104,38	15,21	11,03	40,48	34,24	F'-E	16,30	0,00	896,42	14,94
	H-I				16,90				E-D	24,46			
	I-J				67,58				D-C	101,90			
	J-K				33,79				C-B	32,61			
	K-L				16,90				B-A	36,68			
	A-B	0,00	32,94	104,38	29,58	11,03	40,48	34,24	L-K	17,24	0,00	896,42	14,94
	B-C				26,29				K-J	34,47			
	C-D				82,16				J-I	68,94			
	D-E				19,72				I-H	17,24			
	E-F				13,15				H-G	15,51			
	F-G				11,50				G-F'	12,06			
	G-H				14,79				F'-E	13,79			
	H-I				16,43				E-D	20,68			
	I-J				65,73				D-C	86,18			
	J-K				32,86				C-B	27,58			
	K-L				16,43				B-A	31,02			
	A-B	0,00	35,41	112,61	31,61	53,06	20,65	29,21	L-K	16,17	68,51	994,17	16,57
	B-C				28,10				K-J	32,35			
	C-D				87,82				J-I	64,69			
					21,08				I-H	16,17			
					14,05				H-G	14,56			
					12,29				G-F'	11,32			
					15,81				F'-E	12,94			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
9	H-I	230,10	58,22	92,83	17,56	0,00	42,79	42,79	E-D	19,41	0,00	1106,57	18,44
	I-J				70,25				D-C	80,86			
	J-K				35,13				C-B	25,88			
	K-L				17,56				B-A	29,11			
	A-B	0,00	46,31	110,21	29,73	0,00	33,94	33,94	L-K	15,47	0,00	897,38	14,96
	B-C				26,43				K-J	30,95			
	C-D				82,60				J-I	61,89			
	D-E				19,82				I-H	15,47			
	E-F				13,22				H-G	13,93			
	F-G				11,56				G-F'	10,83			
	G-H				14,87				F'-E	12,38			
	H-I				16,52				E-D	18,57			
	I-J				66,08				D-C	77,37			
	J-K				33,04				C-B	24,76			
	K-L				16,52				B-A	27,85			
	A-B	0,00	46,31	110,21	30,94	0,00	33,94	33,94	L-K	16,46	0,00	897,38	14,96
	B-C				27,51				K-J	32,92			
	C-D				85,96				J-I	65,83			
	D-E				20,63				I-H	16,46			
					13,75				H-G	14,81			
					12,03				G-F'	11,52			
					15,47				F'-E	13,17			
					17,19				E-D	19,75			
					68,76				D-C	82,29			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
11	J-K	0,00	48,57	121,35	34,38	37,85	37,85		C-B	26,33	17,14	983,40	16,39
	K-L				17,19				B-A	29,62			
	A-B				32,15				L-K	16,94			
	B-C				28,58				K-J	33,87			
	C-D				89,30				J-I	67,75			
	D-E				21,43				I-H	16,94			
	E-F				14,29				H-G	15,24			
	F-G				12,50				G-F'	11,86			
	G-H				16,07				F'-E	13,55			
	H-I				17,86				E-D	20,32			
	I-J				71,44	24,70			D-C	84,68			
12	J-K	0,00	38,28	118,13	35,72	42,31	42,31		C-B	27,10	0,00	979,46	16,32
	K-L				17,86				B-A	30,49			
	A-B				30,51				L-K	15,90			
	B-C				27,12				K-J	31,81			
	C-D				84,76				J-I	63,62			
	D-E				20,34				I-H	15,90			
	E-F				13,56				H-G	14,31			
	F-G				11,87				G-F'	11,13			
					15,26				F'-E	12,72			
					16,95				E-D	19,09			
					67,81				D-C	79,52			
13		0,00	38,28	118,13	33,90	81,31			C-B	25,45	0,00	979,46	16,32
					16,95				B-A	28,63			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
Rata-rata (Detik)		111,90	50,36	114,04	31,00	29,10	37,00	32,42		30,31	25,31	1074,54	214,91
Rata-rata (Menit)		1,86	0,84	1,90	0,52	0,49	0,62	0,54		0,51	0,42		17,91

Keterangan

- Antri loading
- Alat angkut berpapasan
- Perbaikan jalan



DATA UMUM			DATA HAULER UNIT			DATA LOADER UNIT		
Hari	:	Jumat	No Unit	:	4	No Unit	:	4
Tanggal	:	09/02/2024	Jenis Unit	:	ADT CAT 745	Jenis Unit	:	Komatsu PC 400 LC
Waktu	:	09.30	Kap. Vessel	:	40 ton	Kap. Bucket	:	3,2 m ³
Cuaca	:	Mendung						
Lokasi	:	Pit Makale						

Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
1	A-B	0,00	31,02	63,13	32,60				L-K	18,14			
	B-C				28,97				K-J	36,28			
	C-D				90,55				J-I	72,56			
	D-E				21,73				I-H	18,14			
	E-F				14,49				H-G	16,33			
	F-G				12,68		54,96	36,24	G-F'	12,70		1070,57	17,84
	G-H				16,30	19,62			F'-E	14,51			
	H-I				18,11				E-D	21,77	140,63		
	I-J				72,44				D-C	90,70			
	J-K				36,22				C-B	29,02			
	K-L	0,00	41,83	83,94	18,11				B-A	32,65			
					32,80				L-K	17,54			
					29,16	0,00	46,78	39,65	K-J	35,07		960,47	16,01
					91,11				J-I	70,14			
					21,87				I-H	17,54	33,11		



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
3	E-F	0,00	49,00	128,09	14,58	0,00	53,43	41,83	H-G	15,78	0,00	1020,61	17,01
	F-G				12,76				G-F'	12,28			
	G-H				16,40				F'-E	14,03			
	H-I				18,22				E-D	21,04			
	I-J				72,89				D-C	87,68			
	J-K				36,44				C-B	28,06			
	K-L				18,22				B-A	31,56			
	A-B				28,16				L-K	16,47			
	B-C				25,03				K-J	32,94			
	C-D				78,23				J-I	65,87			
	D-E				18,77				I-H	16,47			
	E-F				12,52				H-G	14,82			
	F-G				10,95				G-F'	11,53			
	G-H				14,08				F'-E	13,17			
	H-I	173,64	38,54	112,32	15,65	0,00	42,73	28,94	E-D	19,76	0,00	1088,43	18,14
	I-J				62,58				D-C	82,34			
	J-K				31,29				C-B	26,35			
	K-L				15,65				B-A	29,64			
	A-B				31,11				L-K	17,33			
					27,65				K-J	34,66			
					86,41				J-I	69,33			
					20,74				I-H	17,33			
					13,83				H-G	15,60			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
5	F-G	0,00	40,42	118,65	12,10	0,00	35,84	32,76	G-F'	12,13	0,00	946,87	15,78
	G-H				15,55				F'-E	13,87			
	H-I				17,28				E-D	20,80			
	I-J				69,13				D-C	86,66			
	J-K				34,56				C-B	27,73			
	K-L				17,28				B-A	31,20			
	A-B	0,00	40,42	118,65	32,15	0,00	35,84	32,76	L-K	18,10	0,00	946,87	15,78
	B-C				28,58				K-J	36,19			
	C-D				89,32				J-I	72,39			
	D-E				21,44				I-H	18,10			
	E-F				14,29				H-G	16,29			
	F-G				12,50				G-F'	12,67			
	G-H				16,08				F'-E	14,48			
	H-I				17,86				E-D	21,72			
	I-J				71,45				D-C	90,49			
	J-K				35,73				C-B	28,96			
	K-L				17,86				B-A	32,57			
	A-B	0,00	35,68	107,35	28,52	46,72	36,30	36,30	L-K	17,62	0,00	968,66	16,14
	B-C				25,36				K-J	35,24			
					79,24				J-I	70,48			
					19,02				I-H	17,62			
					12,68				H-G	15,86			
					11,09				G-F'	12,33			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
7	G-H	0,00	42,34	123,64	14,26	73,26	51,93	27,01	F'-E	14,10	0,00	967,60	16,13
	H-I				15,85				E-D	21,14			
	I-J				63,39				D-C	88,10			
	J-K				31,69				C-B	28,19			
	K-L				15,85				B-A	31,72			
	A-B	0,00	42,34	123,64	30,29	47,28	51,93	27,01	L-K	16,94	0,00	967,60	16,13
	B-C				26,92				K-J	33,89			
	C-D				84,13				J-I	67,78			
	D-E				20,19				I-H	16,94			
	E-F				13,46				H-G	15,25			
	F-G				11,78				G-F'	11,86			
	G-H				15,14				F'-E	13,56			
	H-I				16,83				E-D	20,33			
	I-J				67,30				D-C	84,72			
	J-K				33,65				C-B	27,11			
	K-L				16,83				B-A	30,50			
	A-B	0,00	37,17	132,73	29,28	0,00	53,62	30,84	L-K	17,45	0,00	983,26	16,39
	B-C				26,03				K-J	34,90			
	C-D				81,34				J-I	69,80			
					19,52				I-H	17,45			
					13,01				H-G	15,71			
					11,39				G-F'	12,22			
					14,64				F'-E	13,96			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
9	H-I				16,27				E-D	20,94	54,52		
	I-J				65,07				D-C	87,25			
	J-K				32,54				C-B	27,92			
	K-L				16,27				B-A	31,41			
	A-B				29,67				L-K	17,11			
	B-C				26,37				K-J	34,22			
	C-D				82,41				J-I	68,43			
	D-E				19,78				I-H	17,11			
	E-F				13,19				H-G	15,40			
	F-G	56,34	42,97	105,37	11,54	69,52	38,94	33,04	G-F'	11,98	0,00	1017,98	16,97
	G-H				14,83				F'-E	13,69			
	H-I				16,48				E-D	20,53			
	I-J				65,93				D-C	85,54			
	J-K				32,96				C-B	27,37			
	K-L				16,48				B-A	30,79			
	A-B				30,39				L-K	16,92			
	B-C				27,01				K-J	33,84			
	C-D				84,41				J-I	67,69			
	D-E				20,26				I-H	16,92			
		0,00	45,03	96,98	13,51	0,00	47,26	31,27	H-G	15,23	0,00	896,60	14,94
					11,82				G-F'	11,85			
					15,19				F'-E	13,54			
					16,88				E-D	20,31			
					67,53				D-C	84,61			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
11	J-K	0,00	38,96	111,84	33,76	0,00	39,02	27,63	C-B	27,07	0,00	882,81	14,71
	K-L				16,88				B-A	30,46			
	A-B				31,51				L-K	15,76			
	B-C				28,01				K-J	31,52			
	C-D				87,54				J-I	63,04			
	D-E				21,01				I-H	15,76			
	E-F				14,01				H-G	14,18			
	F-G				12,26				G-F'	11,03			
	G-H				15,76				F'-E	12,61			
	H-I				17,51				E-D	18,91			
	I-J				70,03				D-C	78,80			
	J-K				35,02				C-B	25,22			
	K-L				17,51				B-A	28,37			
	A-B				31,73				L-K	17,13			
	B-C				28,21				K-J	34,26			
	C-D				88,15				J-I	68,51			
	D-E				21,16				I-H	17,13			
	E-F				14,10				H-G	15,41			
	F-G				12,34				G-F'	11,99			
12		0,00	35,55	125,63	15,87	0,00	55,83	35,61	F'-E	13,70	41,94	989,70	16,50
					17,63				E-D	20,55			
					70,52				D-C	85,64			
					35,26				C-B	27,40			
					17,63				B-A	30,83			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
Rata-rata (Detik)		19,17	39,88	109,14	30,99	26,31	47,26	33,43		31,29	22,52	982,80	196,56
Rata-rata (Menit)		0,32	0,66	1,82	0,52	0,44	0,79	0,56		0,52	0,38		16,38

Keterangan



Antri loading

Alat angkut berpapasan



DATA UMUM			DATA HAULER UNIT			DATA LOADER UNIT		
Hari	:	Sabtu	No Unit	:	1	No Unit	:	4
Tanggal	:	10/02/2024	Jenis Unit	:	ADT CAT 745	Jenis Unit	:	Komatsu PC 400 LC
Waktu	:	07.30	Kap. Vessel	:	40 ton	Kap. Bucket	:	3,2 m ³
Cuaca	:	Mendung						
Lokasi	:	Pit Makale						

Ritase	Segmen Jalk	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
1	A-B	0,00	36,47	114,27	32,24				L-K	17,82			
	B-C				28,66				K-J	35,64			
	C-D				89,56				J-I	71,27	73,02		
	D-E				21,50				I-H	17,82			
	E-F				14,33				H-G	16,04			
	F-G				12,54	28,42	45,45	39,08	G-F'	12,47		1051,32	17,52
	G-H				16,12				F'-E	14,25			
	H-I				17,91				E-D	21,38			
	I-J				71,65				D-C	89,09			
	J-K				35,83				C-B	28,51			
	K-L				17,91				B-A	32,07			
					35,13				L-K	18,91			
		0,00	40,58	114,02	31,23	0,00	69,34	48,39	K-J	37,81	0,00	1040,78	17,35
					97,58				J-I	75,62			
					23,42				I-H	18,91			



Ritase	Segmen Jalk	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
3	E-F	0,00	38,83	122,59	15,61	0,00	60,44	44,59	H-G	17,02	14,65	975,71	16,26
	F-G				13,66				G-F'	13,23			
	G-H				17,56				F'-E	15,12			
	H-I				19,52				E-D	22,69			
	I-J				78,07				D-C	94,53			
	J-K				39,03				C-B	30,25			
	K-L				19,52				B-A	34,03			
	A-B				31,30				L-K	17,34			
	B-C				27,83				K-J	34,68			
	C-D				86,96				J-I	69,36			
	D-E				20,87				I-H	17,34			
	E-F				13,91				H-G	15,61			
	F-G				12,17				G-F'	12,14			
	G-H				15,65				F'-E	13,87			
	H-I	0,00	34,34	159,02	17,39	0,00	53,09	51,12	E-D	20,81	12,29	1087,18	18,12
	I-J				69,57				D-C	86,70			
	J-K				34,78				C-B	27,74			
	K-L				17,39				B-A	31,21			
	A-B				32,95				L-K	20,56			
					29,29				K-J	41,13			
		0,00	34,34	159,02	91,52	0,00	53,09	51,12	J-I	82,25	12,29	1087,18	18,12
					21,96				I-H	20,56			
					14,64				H-G	18,51			



Ritase	Segmen Jalk	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
	F-G				12,81				G-F'	14,39			
	G-H				16,47				F'-E	16,45			
	H-I				18,30				E-D	24,68			
	I-J				73,21				D-C	102,81			
	J-K				36,61				C-B	32,90			
	K-L				18,30				B-A	37,01			
	A-B				33,19				L-K	19,29			
	B-C				29,50				K-J	38,58			
	C-D				92,19				J-I	77,17			
	D-E				22,13				I-H	19,29			
	E-F				14,75				H-G	17,36			
5	F-G	0,00	42,35	147,71	12,91	0,00	64,97	47,62	G-F'	13,50	40,93	1098,16	18,30
	G-H				16,59				F'-E	15,43			
	H-I				18,44				E-D	23,15			
	I-J				73,75				D-C	96,46			
	J-K				36,88				C-B	30,87			
	K-L				18,44				B-A	34,72			
	A-B				29,62				L-K	19,66			
	B-C				26,33				K-J	39,32			
		0,00	64,97	166,03	82,28		68,09	56,83	J-I	78,64	0,00	1097,23	18,29
					19,75				I-H	19,66			
					13,17				H-G	17,69			
					11,52				G-F'	13,76			



Ritase	Segmen Jalk	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
	G-H				14,81	18,99			F'-E	15,73			
	H-I				16,46				E-D	23,59			
	I-J				65,83				D-C	98,30			
	J-K				32,91				C-B	31,46			
	K-L				16,46				B-A	35,39			
	A-B				33,61				L-K	19,29			
	B-C				29,88				K-J	38,57			
	C-D				93,37				J-I	77,14			
	D-E				22,41				I-H	19,29			
7	E-F	0,00	22,28	131,44	14,94	0,00	71,81	70,24	H-G	17,36	0,00	1054,95	17,58
	F-G				13,07				G-F'	13,50			
	G-H				16,81				F'-E	15,43			
	H-I				18,67				E-D	23,14			
	I-J				74,69				D-C	96,43			
	J-K				37,35				C-B	30,86			
	K-L				18,67				B-A	34,71			
Rata-rata (Detik)		0,00	39,97	136,44	32,91	6,77	61,88	51,12		34,51	20,13	1057,90	123,42
Rata-rata (Menit)		0,00	0,67	2,27	0,55	0,11	1,03	0,85		0,58	0,34		17,63



ing
it berpapasan

DATA UMUM			DATA HAULER UNIT			DATA LOADER UNIT		
Hari	:	Minggu	No Unit	:	1	No Unit	:	4
Tanggal	:	11/02/2024	Jenis Unit	:	ADT CAT 745	Jenis Unit	:	Komatsu PC 400 LC
Waktu	:	07.30	Kap. Vessel	:	40 ton	Kap. Bucket	:	3,2 m ³
Cuaca	:	Mendung						
Lokasi	:	Pit Makale						

Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
1	A-B	0,00	34,62	26,24	34,88	0,00	32,53	42,57	L-K	16,46	148,86	1001,53	16,69
	B-C				31,00				K-J	32,92			
	C-D				96,88				J-I	65,84			
	D-E				23,25				I-H	16,46			
	E-F				15,50				H-G	14,81			
	F-G				13,56				G-F'	11,52			
	G-H				17,44				F'-E	13,17			
	H-I				19,38				E-D	19,75			
	I-J				77,50				D-C	82,30			
	J-K				38,75				C-B	26,34			
	K-L				19,38				B-A	29,63			
					35,87				L-K	18,46			
					31,88				K-J	36,92		2182,27	36,37
		0,00	40,22	115,14	99,63		60,96	27,76	J-I	73,83			
					23,91				I-H	18,46			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
3	E-F	0,00	40,53	84,23	15,94	0,00	46,83	53,24	H-G	16,61	0,00	952,35	15,87
	F-G				13,95				G-F'	12,92			
	G-H				17,93				F'-E	14,77			
	H-I				19,93				E-D	22,15			
	I-J				79,70				D-C	92,29			
	J-K				39,85				C-B	29,53			
	K-L				19,93				B-A	33,22			
	A-B				35,33				L-K	16,75			
	B-C				31,41				K-J	33,49			
	C-D				98,15				J-I	66,98			
	D-E				23,56				I-H	16,75			
	E-F				15,70				H-G	15,07			
	F-G				13,74				G-F'	11,72			
	G-H				17,67				F'-E	13,40			
	H-I	0,00	34,65	122,51	19,63	0,00	54,51	22,98	E-D	20,09	0,00	984,14	16,40
	I-J				78,52				D-C	83,73			
	J-K				39,26				C-B	26,79			
	K-L				19,63				B-A	30,14			
	A-B				32,12				L-K	19,63			
					28,55				K-J	39,26			
					89,23				J-I	78,51			
					21,42				I-H	19,63			
					14,28				H-G	17,67			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
5	F-G	0,00	32,53	114,72	12,49	54,61	49,02	29,85	G-F'	13,74	0,00	1042,72	17,38
	G-H				16,06				F'-E	15,70			
	H-I				17,85				E-D	23,55			
	I-J				71,38				D-C	98,14			
	J-K				35,69				C-B	31,41			
	K-L				17,85				B-A	35,33			
	A-B	0,00	40,25	104,90	34,61	0,00	62,77	34,90	L-K	18,87	0,00	1018,56	16,98
	B-C				30,77				K-J	37,74			
	C-D				96,14				J-I	75,48			
	D-E				23,07				I-H	18,87			
	E-F				15,38				H-G	16,98			
	F-G				13,46				G-F'	13,21			
	G-H				17,31				F'-E	15,10			
	H-I				19,23				E-D	22,65			
	I-J				76,91				D-C	94,36			
	J-K				38,46				C-B	30,19			
	K-L				19,23				B-A	33,97			
	A-B	0,00	40,25	104,90	35,52	0,00	62,77	34,90	L-K	19,05	0,00	1018,56	16,98
	B-C				31,57				K-J	38,11			
					98,66				J-I	76,22			
					23,68				I-H	19,05			
					15,79				H-G	17,15			
					13,81				G-F'	13,34			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
	G-H				17,76				F'-E	15,24			
	H-I				19,73				E-D	22,87			
	I-J				78,93				D-C	95,27			
	J-K				39,47				C-B	30,49			
	K-L				19,73				B-A	34,30			
	A-B				36,26				L-K	19,45			
	B-C				32,23				K-J	38,91			
	C-D				100,72				J-I	77,82			
	D-E				24,17				I-H	19,45			
7	E-F	0,00	42,63	127,65	16,11	0,00	53,89	40,14	H-G	17,51	0,00	1056,25	17,60
	F-G				14,10				G-F'	13,62			
	G-H				18,13				F'-E	15,56			
	H-I				20,14				E-D	23,34			
	I-J				80,57				D-C	97,27			
	J-K				40,29				C-B	31,13			
	K-L				20,14				B-A	35,02			
Rata-rata (Detik)		0,00	37,92	99,34	35,29	30,44	51,50	35,92		33,42	165,84	1176,83	137,30
Rata-rata (Menit)		0,00	0,63	1,66	0,59	0,51	0,86	0,60		0,56	2,76		19,61



ing
it berpapasan

Perbaikan jalan

DATA UMUM			DATA HAULER UNIT			DATA LOADER UNIT		
Hari	:	Kamis	No Unit	:	7	No Unit	:	4
Tanggal	:	15/02/2024	Jenis Unit	:	ADT CAT 745	Jenis Unit	:	Komatsu PC 400 LC
Waktu	:	13.30	Kap. Vessel	:	40 ton	Kap. Bucket	:	3,2 m ³
Cuaca	:	Mendung						

Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
1	A-B	0,00	72,18	86,39	33,34				L-K	18,76			
	B-C				29,63				K-J	37,51			
	C-D				92,60				J-I	75,02			
	D-E				22,22				I-H	18,76			
	E-F				14,82				H-G	16,88			
	F-G				12,96	174,21	35,74	39,28	G-F'	13,13		1433,84	23,90
	G-H				16,67				F'-E	15,00			
	H-I				18,52				E-D	22,51			
	I-J				74,08				D-C	93,78			
	J-K				37,04				C-B	30,01	280,53		
	K-L				18,52				B-A	33,76			
	A-B	216,60	31,05	101,32	36,05				L-K	21,03			
					32,04				K-J	42,07			
					100,14	0,00	37,19	37,66	J-I	84,13		1259,19	20,99
					24,03				I-H	21,03			
					16,02				H-G	18,93			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
3	F-G	108,60	41,59	103,05	14,02	318,18	38,66	42,62	G-F'	14,72	14,15	1528,36	25,47
	G-H				18,03				F'-E	16,83			
	H-I				20,03				E-D	25,24			
	I-J				80,11				D-C	105,17			
	J-K				40,06				C-B	33,65			
	K-L				20,03				B-A	37,86			
	A-B	0,00	47,38	127,15	39,60	0,00	35,60	32,37	L-K	19,39	47,89	1198,45	19,97
	B-C				35,20				K-J	38,78			
	C-D				109,99				J-I	77,56			
	D-E				26,40				I-H	19,39			
	E-F				17,60				H-G	17,45			
	F-G				15,40				G-F'	13,57			
	G-H				19,80				F'-E	15,51			
	H-I				22,00				E-D	23,27			
	I-J				87,99				D-C	96,95			
	J-K				44,00				C-B	31,02			
	K-L				22,00				B-A	34,90			
	A-B	0,00	47,38	127,15	40,91	0,00	35,60	32,37	L-K	24,46	47,89	1198,45	19,97
	B-C				36,37				K-J	48,92			
					113,65				J-I	97,83			
					27,28				I-H	24,46			
					18,18				H-G	22,01			
					15,91				G-F'	17,12			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
5	G-H	0,00	32,18	102,52	20,46	0,00	37,99	46,64	F'-E	19,57	12,19	1365,08	22,75
	H-I				22,73				E-D	29,35			
	I-J				90,92				D-C	122,29			
	J-K				45,46				C-B	39,13			
	K-L				22,73				B-A	44,03			
	A-B	0,00	32,18	102,52	46,21	15,04	39,75	41,25	L-K	23,22	156,60	1365,08	22,75
	B-C				41,07				K-J	46,43			
	C-D				128,36				J-I	92,86			
	D-E				30,81				I-H	23,22			
	E-F				20,54				H-G	20,89			
	F-G				17,97				G-F'	16,25			
	G-H				23,10				F'-E	18,57			
	H-I				25,67				E-D	27,86			
	I-J				102,69				D-C	116,08			
	J-K				51,34				C-B	37,14			
	K-L				25,67				B-A	41,79			
	A-B	0,00	66,40	96,78	32,11	0,00	37,99	46,64	L-K	24,82	0,00	1101,05	18,35
	B-C				28,54				K-J	49,65			
	C-D				89,20				J-I	99,29			
					21,41				I-H	24,82			
					14,27				H-G	22,34			
					12,49				G-F'	17,38			
					16,06				F'-E	19,86			



Ritase	Segmen Jalan	Waktu Tunggu (Detik)	Waktu Manuver Angkut (Detik)	Waktu Muat (Detik)	Waktu Angkut (Detik)	Waktu Hambat Angkut (Detik)	Waktu Manuver Buang (Detik)	Waktu Buang (Detik)	Segmen Jalan	Waktu Kembali (Detik)	Waktu Hambat Kembali (Detik)	Waktu Edar / Cycle Time (Detik)	Waktu Edar / Cycle Time (Menit)
	H-I				17,84				E-D	29,79			
	I-J				71,36				D-C	124,12			
	J-K				35,68				C-B	39,72			
	K-L				17,84				B-A	44,68			
	Rata-rata (Detik)	54,20	48,46	102,87	38,42	84,57	37,49	39,97		39,90	85,23	1314,33	131,43
	Rata-rata (Menit)	0,90	0,81	1,71	0,64	1,41	0,62	0,67		0,67	1,42		21,91

Keterangan

- Antri loading
- Alat angkut berpapasan
- Pengisian bahan bakar
- Perbaikan jalan



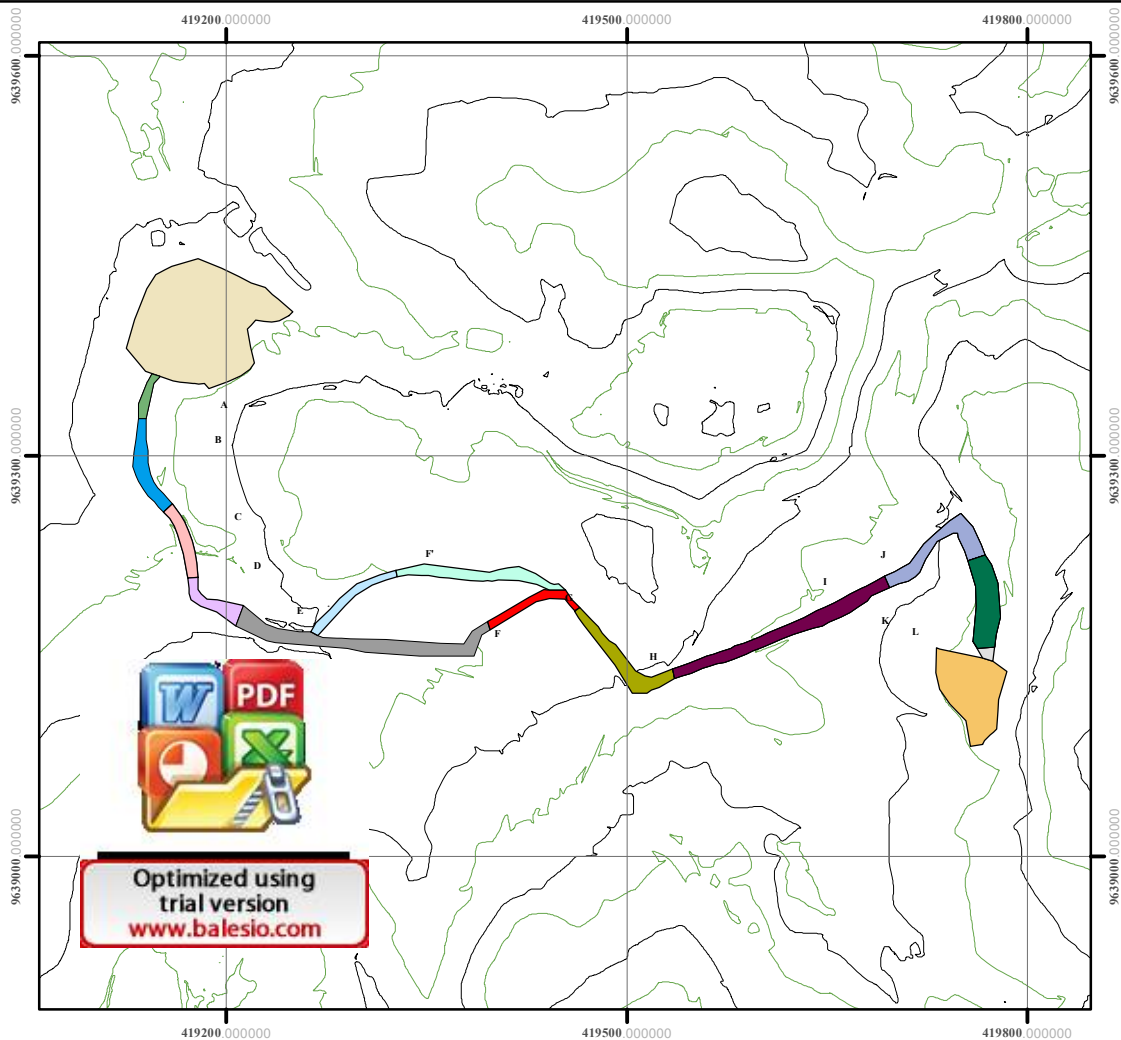
Berdasarkan data waktu edar *Articulated* CAT 745 sebanyak 100 ritase, diperoleh rata-rata waktu edar pada Tabel 1.2.

Tabel 1.2. Rata-rata waktu tempuh dan waktu edar *Articulated* CAT 745

Segmen Jalan Muatan	Rata- rata Waktu Tunggu (Detik)	Rata- rata Waktu Manuver Angkut (Detik)	Rata- rata Waktu Muat (Detik)	Rata- rata Waktu Angkut (Detik)	Rata- rata Waktu Hambat Angkut (Detik)	Rata-rata Waktu Manuver Buang (Detik)	Rata- rata Waktu Buang (Detik)	Segmen Jalan Tidak bermuatan	Rata-rata Waktu Kembali (Detik)	Rata- rata Waktu Hambat Kembali (Detik)	Rata- rata Waktu Edar / Cycle Time (Detik)	Rata- rata Waktu Edar / Cycle Time (Menit)
A-B				33,82	1,77			L-K	18,40	9,64		
B-C				30,06	0,42			K-J	36,80	0,00		
C-D				93,93	0,00			J-I	73,61	1,71		
D-E				22,54	0,00			I-H	18,40	8,96		
E-F				15,03	10,15			H-G	16,56	0,74		
F-G	36,07	45,03	106,99	13,15	3,36	53,47	41,06	G-F'	12,88	1,56	1116,27	18,60
G-H				16,91	8,94			F'-E	14,72	3,77		
H-I				18,79	1,21			E-D	22,08	10,70		
I-J				75,14	0,40			D-C	92,01	1,14		
J-K				37,57	9,45			C-B	29,44	2,81		
K-L				18,79	3,03			B-A	33,12	10,12		
Rata-	36,07	45,03	106,99	375,72	38,74	53,47	41,06		368,04	51,15	1116,27	18,60







0 165 330 660
Kilometers

Datum : World Geodetic system 1984
System Grid : Grid Geographic - Interval 1 second
Projection : WGS 1984 UTM Zone 51S

LEGENDA

- KONTUR MINOR
- KONTUR INDEKS
- DISPOSAL
- LOADING POINT PIT MAKALE

INDEKS PETA



DESA LAMERURU, KECAMATAN LANGGIKIMA,
KABUPATEN KONawe UTARA, PROVINSI SULAWESI TENGGARA
SUMBER PETA : PT HILLCONJAYA SAKTI



PROGRAM STUDI SARJANA TEKNIK PERTAMBANGAN
FAKULTAS TEKNIK
UNIVERSITAS HASANUDDIN



TUGAS AKHIR
EVALUASI FUEL RATIO ARTIFICIAL CAT 745
BERDASARKAN GEOMETRI JALAN ANGKUT
PT HILLCONJAYA SAKTI SITE PT ADHI
KARTIKO PRATAMA Tbk

DIBUAT OLEH

WAHYUNIS
D111201007

PEMBIMBING

Dr. Eng. RINI NOVRANTI SUTARDJO TUL, S.T., M.BA., M.T
198311142014042001

PETA SEGMENT JALAN ANGKUT
PT HILLCONJAYASAKTI SITE
PT ADHI KARTIKO PRATAMA Tbk



Tabel 3.1. Rata-rata waktu tempuh dan waktu edar *Articulated* CAT 745

Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
01/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
01/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	07.15	07.43	00,47		Shift 1
01/02/2024	ATCT74001	745	Working	Quarry	Quarry	07.43	09.00	01,28	Hauling Quarry di IRA	Shift 1
01/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	09.00	12.00	03,00	Hauling OB di PIT Makale	Shift 1
01/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
01/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
01/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
01/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
01/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	19.15	19.25	00,17		Shift 2
01/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	19.25	19.45	00,33	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Overburden Removal	19.45	07.00	11,25	Tyre Post 6 Bocor	Shift 2
01/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
01/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	07.15	07.43	00,47		Shift 1
01/02/2024	ATCT74002	745	Working	Quarry	Quarry	07.43	09.10	01,45	Hauling Quarry di IRA	Shift 1
01/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	09.10	09.50	00,67	Hauling OB di PIT Makale	Shift 1
01/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	09.50	12.00	02,17	Hauling ore di PIT Makale - ETO IRF	Shift 1
01/02/2024	ATCT74002	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
01/02/2024	ATCT74002	745	Standby	Wait Loader (PA)	Ore Getting	13.00	13.37	00,62		Shift 1
01/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	13.37	16.00	02,38	Loading OB di PIT Makale	Shift 1
	CT74002	745	Working	Ore Getting	Ore Getting	16.00	16.20	00,33	Loading ore di PIT Makale - ETO IRF	Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	16.20	18.45	02,42	Loading OB di PIT Makale	Shift 1
	CT74002	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
	CT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
01/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	19.15	19.25	00,17		Shift 2
01/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	19.25	00.00	04,58	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
01/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	01.00	01.40	00,67	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74002	745	Standby	Fog	Overburden Removal	01.40	02.40	01,00		Shift 2
01/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	02.40	04.35	01,92	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74002	745	Standby	Fog	Overburden Removal	04.35	05.55	01,33		Shift 2
01/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	05.55	06.45	00,83	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
01/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
01/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	07.15	07.22	00,12		Shift 1
01/02/2024	ATCT74003	745	Breakdown	BD Unschedule	Overburden Removal	07.22	07.52	00,50	Oli Engine Error	Shift 1
01/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	07.52	08.15	00,38		Shift 1
01/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	08.15	12.00	03,75	Hauling OB di PIT Makale	Shift 1
01/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
01/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
01/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
01/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
01/02/2024	ATCT74003	745	Standby	Wait Operator	Ore Getting	19.15	20.59	01,73		Shift 2
01/02/2024	ATCT74003	745	Breakdown	BD Unschedule	Overburden Removal	20.59	21.22	00,38	Indikator Oli Mesin ON	Shift 2
	CT74003	745	Working	Ore Getting	Ore Getting	21.22	22.25	01,05	Hauling Ore di PIT Makale - ETO IRF	Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	22.25	22.50	00,42	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Working	Ore Getting	Ore Getting	22.50	00.00	01,17	Hauling Ore di PIT Makale - ETO IRF	Shift 2
	CT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74003	745	Working	Ore Getting	Ore Getting	01.00	01.40	00,67	Hauling Ore di PIT Makale - ETO IRF	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
01/02/2024	ATCT74003	745	Standby	Fog	Overburden Removal	01.40	02.40	01,00		Shift 2
01/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	02.40	02.45	00,08	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	02.45	03.30	00,75	Hauling Ore di PIT Makale - ETO IRF	Shift 2
01/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	03.30	04.00	00,50	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	04.00	04.35	00,58	Hauling Ore di PIT Makale - ETO IRF	Shift 2
01/02/2024	ATCT74003	745	Standby	Fog	Ore Getting	04.35	05.55	01,33		Shift 2
01/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	05.55	06.45	00,83	Hauling Ore di PIT Makale - ETO IRF	Shift 2
01/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
01/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
01/02/2024	ATCT74004	745	Standby	Wait Operator	Overburden Removal	07.15	12.00	04,75		Shift 1
01/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
01/02/2024	ATCT74004	745	Standby	Wait Operator	Overburden Removal	13.00	18.45	05,75		Shift 1
01/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
01/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
01/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	19.15	19.25	00,17		Shift 2
01/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.25	00.00	04,58	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
01/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	01.00	01.40	00,67	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74004	745	Standby	Fog	Overburden Removal	01.40	02.40	01,00		Shift 2
01/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	02.40	04.35	01,92	Hauling OB di PIT Makale	Shift 2
	CT74004	745	Standby	Fog	Overburden Removal	04.35	05.55	01,33		Shift 2
	CT74004	745	Working	OB Removal	Overburden Removal	05.55	06.45	00,83	Hauling OB di PIT Makale	Shift 2
	CT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74005	745	Breakdown	BD Tyre Unschedule	Overburden Removal	07.00	09.45	02,75	Tyre post 5 bocor	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
01/02/2024	ATCT74005	745	Standby	Wait Operator	Ore Getting	09.45	12.00	02,25		Shift 1
01/02/2024	ATCT74005	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
01/02/2024	ATCT74005	745	Standby	Wait Operator	Ore Getting	13.00	18.45	05,75		Shift 1
01/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
01/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
01/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	19.15	19.25	00,17		Shift 2
01/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	19.25	20.40	01,25	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	20.40	22.25	01,75	Hauling Ore di PIT Makale - ETO IRF	Shift 2
01/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	22.25	22.50	00,42	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	22.50	00.00	01,17	Hauling Ore di PIT Makale - ETO IRF	Shift 2
01/02/2024	ATCT74005	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
01/02/2024	ATCT74005	745	Breakdown	BD Unschedule	Overburden Removal	01.00	02.55	01,92	Indikator Oli Mesin ON	Shift 2
01/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	02.55	03.30	00,58	Hauling Ore di PIT Makale - ETO IRF	Shift 2
01/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	03.30	04.00	00,50	Hauling OB di PIT Makale	Shift 2
01/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	04.00	04.35	00,58	Hauling Ore di PIT Makale - ETO IRF	Shift 2
01/02/2024	ATCT74005	745	Standby	Fog	Ore Getting	04.35	05.55	01,33		Shift 2
01/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	05.55	06.45	00,83	Hauling Ore di PIT Makale - ETO IRF	Shift 2
01/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
01/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
01/02/2024	ATCT74007	745	Standby	Front Preparation	Overburden Removal	07.15	07.58	00,72		Shift 1
	CT74007	745	Working	General Activity	General Activity	07.58	08.43	00,75	Hauling Quarry Non Volume di PIT Makale	Shift 1
	CT74007	745	Working	OB Removal	Overburden Removal	08.43	09.50	01,12	Hauling OB di PIT Makale	Shift 1
	CT74007	745	Working	Ore Getting	Ore Getting	09.50	12.00	02,17	Hauling ore di PIT Makale - ETO IRF	Shift 1
	CT74007	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
01/02/2024	ATCT74007	745	Standby	Wait Loader (PA)	Ore Getting	13.00	13.37	00,62		Shift 1
01/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.37	16.00	02,38	Loading OB di PIT Makale	Shift 1
01/02/2024	ATCT74007	745	Working	Ore Getting	Ore Getting	16.00	16.20	00,33	Loading ore di PIT Makale - ETO IRF	Shift 1
01/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	16.20	18.45	02,42	Loading OB di PIT Makale	Shift 1
01/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
01/02/2024	ATCT74007	745	Standby	Wait Operator	Overburden Removal	19.00	19.15	00,25		Shift 2
01/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	19.15	20.30	01,25	Loading OB di PIT Makale	Shift 2
01/02/2024	ATCT74007	745	Breakdown	BD Tyre Unschedule	Ore Getting	20.30	07.00	10,50	Tyre Post 1 Bocor	Shift 2
02/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	07.00	08.54	01,90	Tyre Post 6 Bocor	Shift 1
02/02/2024	ATCT74001	745	Standby	Wait Stock Material	Overburden Removal	08.54	09.16	00,37	Material Masih di Side Cast	Shift 1
02/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	09.16	09.36	00,33	Hauling OB di PIT Makale	Shift 1
02/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Overburden Removal	09.36	17.56	08,33	Tyre Post 6 Bocor	Shift 1
02/02/2024	ATCT74001	745	Standby	Wait Operator	Overburden Removal	17.56	18.45	00,82		Shift 1
02/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
02/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
02/02/2024	ATCT74001	745	Working	General Activity	General Activity	19.15	20.00	00,75	Moving dari WS Ke PIT Makale	Shift 2
02/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	20.00	22.20	02,33	Hauling OB di PIT Makale	Shift 2
02/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Overburden Removal	22.20	07.00	08,67	Tyre Post 4 Bocor	Shift 2
	CT74002	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
	CT74002	745	Standby	Wait Loader (UA)	Ore Getting	07.15	07.39	00,40		Shift 1
	CT74002	745	Standby	Front Preparation	Overburden Removal	07.39	07.48	00,15		Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	07.48	09.05	01,28	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
02/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Overburden Removal	09.05	10.36	01,52	Ac Panas	Shift 1
02/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	10.36	11.00	00,40	Hauling OB di PIT Makale	Shift 1
02/02/2024	ATCT74002	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
02/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
02/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	13.00	14.00	01,00	Hauling OB di PIT Makale	Shift 1
02/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	14.00	18.45	04,75	Hauling SOIL di PIT Makale	Shift 1
02/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
02/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
02/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	19.15	19.25	00,17		Shift 2
02/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	19.25	20.00	00,58	Hauling SOIL di PIT Makale	Shift 2
02/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	20.00	22.25	02,42	Hauling OB di PIT Makale	Shift 2
02/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	22.25	05.20	06,92		Shift 2
02/02/2024	ATCT74002	745	Standby	Weather Condition	Overburden Removal	05.20	05.35	00,25		Shift 2
02/02/2024	ATCT74002	745	Standby	Slippery	Overburden Removal	05.35	06.46	01,18		Shift 2
02/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	06.46	07.00	00,23		Shift 2
02/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
02/02/2024	ATCT74003	745	Standby	Wait Loader (UA)	Overburden Removal	07.15	07.39	00,40		Shift 1
02/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	07.39	07.48	00,15		Shift 1
02/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	07.48	11.00	03,20	Hauling OB di PIT Makale	Shift 1
02/02/2024	ATCT74003	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
	CT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74003	745	Working	OB Removal	Overburden Removal	13.00	14.00	01,00	Hauling OB di PIT Makale	Shift 1
	CT74003	745	Working	Soil Stripping	Overburden Removal	14.00	18.45	04,75	Hauling SOIL di PIT Makale	Shift 1
	CT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
02/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
02/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	19.15	19.20	00,08		Shift 2
02/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	19.20	20.05	00,75	Hauling OB di PIT Makale	Shift 2
02/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	20.05	22.25	02,33	Hauling Ore di PIT Makale - ETO IRF	Shift 2
02/02/2024	ATCT74003	745	Standby	Rain	Ore Getting	22.25	05.20	06,92		Shift 2
02/02/2024	ATCT74003	745	Standby	Weather Condition	Ore Getting	05.20	05.35	00,25		Shift 2
02/02/2024	ATCT74003	745	Standby	Slippery	Ore Getting	05.35	06.46	01,18		Shift 2
02/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	06.46	07.00	00,23		Shift 2
02/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
02/02/2024	ATCT74004	745	Standby	Wait Operator	Overburden Removal	07.15	11.00	03,75		Shift 1
02/02/2024	ATCT74004	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
02/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
02/02/2024	ATCT74004	745	Standby	Wait Operator	Overburden Removal	13.00	18.45	05,75		Shift 1
02/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
02/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
02/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	19.15	19.20	00,08		Shift 2
02/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.20	20.05	00,75	Hauling OB di PIT Makale	Shift 2
02/02/2024	ATCT74004	745	Working	Ore Getting	Ore Getting	20.05	22.25	02,33	Hauling Ore di PIT Makale - ETO IRF	Shift 2
02/02/2024	ATCT74004	745	Standby	Rain	Ore Getting	22.25	05.20	06,92		Shift 2
02/02/2024	ATCT74004	745	Standby	Weather Condition	Ore Getting	05.20	05.35	00,25		Shift 2
	CT74004	745	Standby	Slippery	Ore Getting	05.35	06.46	01,18		Shift 2
	CT74004	745	Standby	Shift Change	Ore Getting	06.46	07.00	00,23		Shift 2
	CT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74005	745	Standby	Wait Loader (UA)	Overburden Removal	07.15	07.51	00,60		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
02/02/2024	ATCT74005	745	Standby	Wait Stock Material	Overburden Removal	07.51	09.16	01,42	Material Masih di Side Cast	Shift 1
02/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	09.16	11.00	01,73	Hauling OB di PIT Makale	Shift 1
02/02/2024	ATCT74005	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
02/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
02/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
02/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
02/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
02/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	19.15	19.25	00,17		Shift 2
02/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	19.25	20.00	00,58	Hauling SOIL di PIT Makale	Shift 2
02/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	20.00	22.25	02,42	Hauling OB di PIT Makale	Shift 2
02/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	22.25	05.20	06,92		Shift 2
02/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	05.20	05.35	00,25		Shift 2
02/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	05.35	06.46	01,18		Shift 2
02/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.46	07.00	00,23		Shift 2
02/02/2024	ATCT74007	745	Breakdown	BD Tyre Unschedule	Ore Getting	07.00	19.00	12,00	Tyre Post 1 Bocor	Shift 1
02/02/2024	ATCT74007	745	Breakdown	BD Tyre Unschedule	Ore Getting	19.00	19.15	00,25	Tyre Post 1 Bocor	Shift 2
02/02/2024	ATCT74007	745	Working	General Activity	General Activity	19.15	20.00	00,75	Moving dari WS Ke PIT Makale	Shift 2
02/02/2024	ATCT74007	745	Standby	Wait Instruction	Ore Getting	20.00	22.25	02,42	Di Standbykan Oleh Pengawas	Shift 2
02/02/2024	ATCT74007	745	Standby	Rain	Ore Getting	22.25	05.20	06,92		Shift 2
02/02/2024	ATCT74007	745	Standby	Wait Instruction	Ore Getting	05.20	06.45	01,42	Di Standbykan Oleh Pengawas	Shift 2
	CT74007	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
	CT74001	745	Breakdown	BD Tyre Unschedule	Overburden Removal	07.00	09.30	02,50	Tyre Post 4 Bocor	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
03/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	09.30	10.00	00,50	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Overburden Removal	10.00	19.00	09,00	Tyre Post 4 Bocor	Shift 1
03/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Overburden Removal	19.00	07.00	12,00	Tyre Post 4 Bocor	Shift 2
03/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
03/02/2024	ATCT74002	745	Standby	Slippery	Ore Getting	07.15	09.07	01,87		Shift 1
03/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	09.07	12.00	02,88	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
03/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	13.00	13.39	00,65	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	13.39	14.30	00,85	Hauling OB di PIT Makale	Shift 1
03/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	14.30	15.30	01,00	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	15.30	16.30	01,00	Hauling OB di PIT Makale	Shift 1
03/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	16.30	17.05	00,58	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	17.05	18.45	01,67	Hauling OB di PIT Makale	Shift 1
03/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
03/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
03/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	19.15	20.10	00,92		Shift 2
03/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	20.10	21.00	00,83	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	21.00	21.30	00,50		Shift 2
03/02/2024	ATCT74002	745	Standby	Weather Condition	Overburden Removal	21.30	21.40	00,17		Shift 2
03/02/2024	ATCT74002	745	Standby	Slippery	Overburden Removal	21.40	23.00	01,33		Shift 2
	CT74002	745	Working	OB Removal	Overburden Removal	23.00	00.00	01,00	Hauling OB di PIT Makale	Shift 2
	CT74002	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74002	745	Working	OB Removal	Overburden Removal	01.00	04.10	03,17	Hauling OB di PIT Makale	Shift 2
	CT74002	745	Standby	Fog	Overburden Removal	04.10	05.20	01,17		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
03/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	05.20	06.45	01,42	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
03/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
03/02/2024	ATCT74003	745	Standby	Slippery	Ore Getting	07.15	09.07	01,87		Shift 1
03/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	09.07	12.00	02,88	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74003	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
03/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	13.00	13.39	00,65	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.39	14.30	00,85	Hauling OB di PIT Makale	Shift 1
03/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	14.30	15.30	01,00	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	15.30	16.30	01,00	Hauling OB di PIT Makale	Shift 1
03/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	16.30	17.05	00,58	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	17.05	18.45	01,67	Hauling OB di PIT Makale	Shift 1
03/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
03/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
03/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	19.15	19.50	00,58	Hauling Ore di PIT Makale - ETO IRF	Shift 2
03/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	19.50	20.30	00,67	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	20.30	21.00	00,50	Hauling Ore di PIT Makale - ETO IRF	Shift 2
03/02/2024	ATCT74003	745	Standby	Rain	Ore Getting	21.00	21.30	00,50		Shift 2
03/02/2024	ATCT74003	745	Standby	Weather Condition	Ore Getting	21.30	21.40	00,17		Shift 2
03/02/2024	ATCT74003	745	Standby	Slippery	Ore Getting	21.40	22.10	00,50		Shift 2
	CT74003	745	Working	Ore Getting	Ore Getting	22.10	23.10	01,00	Hauling Ore di PIT Makale - ETO IRF	Shift 2
	CT74003	745	Standby	Hazard	Ore Getting	23.10	00.00	00,83	Ada Exca 200/09 Rebah	Shift 2
	CT74003	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
	CT74003	745	Standby	Hazard	Ore Getting	01.00	06.45	05,75	Ada Exca 200/09 Rebah	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
03/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
03/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
03/02/2024	ATCT74004	745	Standby	Slippery	Ore Getting	07.15	10.30	03,25		Shift 1
03/02/2024	ATCT74004	745	Standby	Wait Operator	Ore Getting	10.30	12.00	01,50		Shift 1
03/02/2024	ATCT74004	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
03/02/2024	ATCT74004	745	Standby	Wait Operator	Ore Getting	13.00	13.39	00,65		Shift 1
03/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.39	14.30	00,85	Hauling OB di PIT Makale	Shift 1
03/02/2024	ATCT74004	745	Working	Ore Getting	Ore Getting	14.30	15.30	01,00	Hauling Ore di PIT Makale - ETO IRF	Shift 1
03/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	15.30	17.00	01,50	Hauling OB di PIT Makale	Shift 1
03/02/2024	ATCT74004	745	Standby	Wait Fuel	Overburden Removal	17.00	18.45	01,75		Shift 1
03/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
03/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
03/02/2024	ATCT74004	745	Working	Ore Getting	Ore Getting	19.15	19.50	00,58	Hauling Ore di PIT Makale - ETO IRF	Shift 2
03/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.50	20.30	00,67	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74004	745	Working	Ore Getting	Ore Getting	20.30	21.00	00,50	Hauling Ore di PIT Makale - ETO IRF	Shift 2
03/02/2024	ATCT74004	745	Standby	Rain	Ore Getting	21.00	21.30	00,50		Shift 2
03/02/2024	ATCT74004	745	Standby	Weather Condition	Ore Getting	21.30	21.40	00,17		Shift 2
03/02/2024	ATCT74004	745	Standby	Slippery	Ore Getting	21.40	22.10	00,50		Shift 2
03/02/2024	ATCT74004	745	Working	Ore Getting	Ore Getting	22.10	23.10	01,00	Hauling Ore di PIT Makale - ETO IRF	Shift 2
03/02/2024	ATCT74004	745	Standby	Hazard	Ore Getting	23.10	00.00	00,83	Ada Exca 200/09 Rebah	Shift 2
	CT74004	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
	CT74004	745	Standby	Hazard	Ore Getting	01.00	06.45	05,75	Ada Exca 200/09 Rebah	Shift 2
	CT74004	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
	CT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
03/02/2024	ATCT74005	745	Standby	Wait Stock Material	Quarry	07.15	09.10	01,92		Shift 1
03/02/2024	ATCT74005	745	Working	Quarry	Quarry	09.10	10.00	00,83	Hauling Quarry di IRA	Shift 1
03/02/2024	ATCT74005	745	Standby	Wait Stock Material	Quarry	10.00	12.00	02,00		Shift 1
03/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
03/02/2024	ATCT74005	745	Standby	Wait Stock Material	Quarry	13.00	18.45	05,75		Shift 1
03/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
03/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
03/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	19.15	20.10	00,92		Shift 2
03/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	20.10	21.00	00,83	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	21.00	21.30	00,50		Shift 2
03/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	21.30	21.40	00,17		Shift 2
03/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	21.40	23.00	01,33		Shift 2
03/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	23.00	00.00	01,00	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
03/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	01.00	04.10	03,17	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74005	745	Standby	Fog	Overburden Removal	04.10	05.20	01,17		Shift 2
03/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	05.20	06.45	01,42	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
03/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74007	745	Standby	Wait Stock Material	Quarry	07.15	09.10	01,92		Shift 1
	CT74007	745	Working	Quarry	Quarry	09.10	10.00	00,83	Hauling Quarry di IRA	Shift 1
	CT74007	745	Standby	Wait Stock Material	Quarry	10.00	12.00	02,00		Shift 1
	CT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
03/02/2024	ATCT74007	745	Standby	Wait Stock Material	Quarry	13.00	14.00	01,00		Shift 1
03/02/2024	ATCT74007	745	Working	Quarry	Quarry	14.00	15.00	01,00	Hauling Quarry di IRA	Shift 1
03/02/2024	ATCT74007	745	Standby	Wait Stock Material	Quarry	15.00	18.45	03,75		Shift 1
03/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
03/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
03/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	19.15	20.10	00,92		Shift 2
03/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	20.10	21.00	00,83	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	21.00	21.30	00,50		Shift 2
03/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	21.30	21.40	00,17		Shift 2
03/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	21.40	23.00	01,33		Shift 2
03/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	23.00	00.00	01,00	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
03/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	01.00	04.10	03,17	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74007	745	Standby	Fog	Overburden Removal	04.10	05.20	01,17		Shift 2
03/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	05.20	06.45	01,42	Hauling OB di PIT Makale	Shift 2
03/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
04/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	07.00	19.00	12,00	Tyre Post 4 Bocor	Shift 1
04/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	19.00	07.00	12,00	Tyre Post 4 Bocor	Shift 2
	CT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74002	745	Standby	Wait Stock Material	Quarry	07.15	07.29	00,23		Shift 1
	CT74002	745	Working	Quarry	Quarry	07.29	07.50	00,35	Hauling Quarry di IRA	Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	07.50	09.00	01,17	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
04/02/2024	ATCT74002	745	Working	Quarry	Quarry	09.00	09.25	00,42	Hauling Quarry di IRA	Shift 1
04/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	09.25	12.00	02,58	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
04/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	13.00	14.10	01,17	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74002	745	Standby	RAin	Overburden Removal	14.10	14.36	00,43		Shift 1
04/02/2024	ATCT74002	745	Standby	Slippery	Overburden Removal	14.36	15.28	00,87		Shift 1
04/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	15.28	18.10	02,70	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	18.10	19.00	00,83		Shift 1
04/02/2024	ATCT74002	745	Standby	Rain	Ore Getting	19.00	19.45	00,75		Shift 2
04/02/2024	ATCT74002	745	Standby	Slippery	Ore Getting	19.45	00.00	04,25		Shift 2
04/02/2024	ATCT74002	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
04/02/2024	ATCT74002	745	Standby	Slippery	Ore Getting	01.00	02.00	01,00		Shift 2
04/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	02.00	06.00	04,00	Hauling Ore di PIT Makale - ETO IRF	Shift 2
04/02/2024	ATCT74002	745	Standby	Wait Stock Material	Ore Getting	06.00	06.45	00,75		Shift 2
04/02/2024	ATCT74002	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
04/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
04/02/2024	ATCT74003	745	Standby	Wait Stock Material	Quarry	07.15	08.00	00,75		Shift 1
04/02/2024	ATCT74003	745	Working	Quarry	Quarry	08.00	09.25	01,42	Hauling Quarry di IRA	Shift 1
04/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	09.25	12.00	02,58	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74003	745	Working	Quarry	Quarry	13.00	13.34	00,57	Hauling Quarry di IRA	Shift 1
	CT74003	745	Working	OB Removal	Overburden Removal	13.34	14.10	00,60	Hauling OB di PIT Makale	Shift 1
	CT74003	745	Standby	RAin	Overburden Removal	14.10	14.36	00,43		Shift 1
	CT74003	745	Standby	Slippery	Overburden Removal	14.36	15.28	00,87		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
04/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	15.28	15.45	00,28	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74003	745	Working	Quarry	Quarry	15.45	16.00	00,25	Hauling Quarry di IRA	Shift 1
04/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	16.00	18.10	02,17	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	18.10	19.00	00,83		Shift 1
04/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	19.00	19.45	00,75		Shift 2
04/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	19.45	00.00	04,25		Shift 2
04/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
04/02/2024	ATCT74003	745	Standby	Road Preparation	Overburden Removal	01.00	06.45	05,75		Shift 2
04/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
04/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
04/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	07.15	07.41	00,43		Shift 1
04/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	07.41	08.45	01,07	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74004	745	Breakdown	BD Unschedule	Overburden Removal	08.45	10.35	01,83	Ac Panas & Suspensi Jock Macet	Shift 1
04/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	10.35	12.00	01,42	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
04/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	14.10	01,17	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74004	745	Standby	RAin	Overburden Removal	14.10	14.36	00,43		Shift 1
04/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	14.36	15.20	00,73		Shift 1
04/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	15.20	18.10	02,83	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	18.10	19.00	00,83		Shift 1
	CT74004	745	Standby	Rain	Overburden Removal	19.00	19.45	00,75		Shift 2
	CT74004	745	Standby	Slippery	Overburden Removal	19.45	00.00	04,25		Shift 2
	CT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74004	745	Standby	Road Preparation	Overburden Removal	01.00	02.00	01,00		Shift 2
	CT74004	745	Working	OB Removal	Overburden Removal	02.00	03.00	01,00	Hauling OB di PIT Makale	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
04/02/2024	ATCT74004	745	Standby	Road Preparation	Overburden Removal	03.00	06.45	03,75		Shift 2
04/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
04/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
04/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	07.15	07.41	00,43		Shift 1
04/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	07.41	12.00	04,32	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
04/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	13.00	14.10	01,17	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74005	745	Standby	RAin	Overburden Removal	14.10	14.36	00,43		Shift 1
04/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	14.36	15.20	00,73		Shift 1
04/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	15.20	18.10	02,83	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	18.10	19.00	00,83		Shift 1
04/02/2024	ATCT74005	745	Standby	Rain	Ore Getting	19.00	19.45	00,75		Shift 2
04/02/2024	ATCT74005	745	Standby	Slippery	Ore Getting	19.45	00.00	04,25		Shift 2
04/02/2024	ATCT74005	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
04/02/2024	ATCT74005	745	Standby	Slippery	Ore Getting	01.00	02.00	01,00		Shift 2
04/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	02.00	06.00	04,00	Hauling Ore di PIT Makale - ETO IRF	Shift 2
04/02/2024	ATCT74005	745	Standby	Wait Stock Material	Ore Getting	06.00	06.45	00,75		Shift 2
04/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
04/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
04/02/2024	ATCT74007	745	Standby	Wait Stock Material	Quarry	07.15	07.29	00,23		Shift 1
	CT74007	745	Working	Quarry	Quarry	07.29	07.50	00,35	Hauling Quarry di IRA	Shift 1
	CT74007	745	Working	OB Removal	Overburden Removal	07.50	09.00	01,17	Hauling OB di PIT Makale	Shift 1
	CT74007	745	Working	Quarry	Quarry	09.00	09.25	00,42	Hauling Quarry di IRA	Shift 1
	CT74007	745	Working	OB Removal	Overburden Removal	09.25	10.00	00,58	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
04/02/2024	ATCT74007	745	Working	Quarry	Quarry	10.00	12.00	02,00	Hauling Quarry di IRA	Shift 1
04/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
04/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	14.10	01,17	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74007	745	Standby	RAin	Overburden Removal	14.10	14.36	00,43		Shift 1
04/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	14.36	15.28	00,87		Shift 1
04/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	15.28	18.10	02,70	Hauling OB di PIT Makale	Shift 1
04/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	18.10	19.00	00,83		Shift 1
04/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	19.00	19.45	00,75		Shift 2
04/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	19.45	00.00	04,25		Shift 2
04/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
04/02/2024	ATCT74007	745	Standby	Road Preparation	Overburden Removal	01.00	06.45	05,75		Shift 2
04/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
05/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	07.00	19.00	12,00	Tyre Post 4 Bocor	Shift 1
05/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	19.00	07.00	12,00	Tyre Post 4 Bocor	Shift 2
05/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
05/02/2024	ATCT74002	745	Standby	Road Preparation	Overburden Removal	07.15	09.35	02,33	Perbaikan jalan di PIT Makale	Shift 1
05/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	09.35	10.00	00,42	Hauling OB di PIT Makale	Shift 1
05/02/2024	ATCT74002	745	Working	Quarry	Quarry	10.00	11.00	01,00	Hauling Boulder di IRA	Shift 1
05/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	11.00	12.00	01,00	Hauling OB di PIT Makale	Shift 1
	CT74002	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
	CT74002	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74002	745	Standby	Rain	Ore Getting	19.00	20.10	01,17		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
05/02/2024	ATCT74002	745	Standby	Slippery	Ore Getting	20.10	21.00	00,83		Shift 2
05/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	21.00	00.00	03,00	Hauling OB di PIT Makale	Shift 2
05/02/2024	ATCT74002	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
05/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	01.00	03.54	02,90	Hauling OB di PIT Makale	Shift 2
05/02/2024	ATCT74002	745	Standby	Fog	Overburden Removal	03.54	05.05	01,18		Shift 2
05/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	05.05	06.45	01,67	Hauling OB di PIT Makale	Shift 2
05/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
05/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
05/02/2024	ATCT74003	745	Standby	Road Preparation	Overburden Removal	07.15	10.21	03,10	Masih ada Perbaikan jalan	Shift 1
05/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	10.21	11.00	00,65	Hauling OB di PIT Makale	Shift 1
05/02/2024	ATCT74003	745	Working	Quarry	Quarry	11.00	12.00	01,00	Hauling Boulder di IRA	Shift 1
05/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
05/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.00	16.35	03,58	Hauling OB di PIT Makale	Shift 1
05/02/2024	ATCT74003	745	Working	Quarry	Quarry	16.35	17.00	00,42	Hauling Boulder di IRA	Shift 1
05/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	17.00	18.45	01,75	Hauling OB di PIT Makale	Shift 1
05/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
05/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	19.00	20.10	01,17		Shift 2
05/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	20.10	21.35	01,42		Shift 2
05/02/2024	ATCT74003	745	Standby	Road Preparation	Overburden Removal	21.35	00.00	02,42		Shift 2
05/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	01.00	03.54	02,90	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Standby	Fog	Overburden Removal	03.54	05.05	01,18		Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	05.05	06.45	01,67	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
05/02/2024	ATCT74004	745	Standby	Wait Operator	Ore Getting	07.15	12.00	04,75		Shift 1
05/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
05/02/2024	ATCT74004	745	Standby	Wait Operator	Ore Getting	13.00	18.45	05,75		Shift 1
05/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
05/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	19.00	20.10	01,17		Shift 2
05/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	20.10	21.00	00,83		Shift 2
05/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	21.00	00.00	03,00	Hauling OB di PIT Makale	Shift 2
05/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
05/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	01.00	03.54	02,90	Hauling OB di PIT Makale	Shift 2
05/02/2024	ATCT74004	745	Standby	Fog	Overburden Removal	03.54	05.05	01,18		Shift 2
05/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	05.05	06.45	01,67	Hauling OB di PIT Makale	Shift 2
05/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
05/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
05/02/2024	ATCT74005	745	Standby	Wait Stock Material	Quarry	07.15	10.00	02,75		Shift 1
05/02/2024	ATCT74005	745	Working	Quarry	Quarry	10.00	11.00	01,00	Hauling Boulder di IRA	Shift 1
05/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	11.00	12.00	01,00	Hauling OB di PIT Makale	Shift 1
05/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
05/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
05/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
05/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	19.00	20.10	01,17		Shift 2
	CT74005	745	Standby	Slippery	Overburden Removal	20.10	21.00	00,83		Shift 2
	CT74005	745	Working	OB Removal	Overburden Removal	21.00	00.00	03,00	Hauling OB di PIT Makale	Shift 2
	CT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74005	745	Working	OB Removal	Overburden Removal	01.00	03.54	02,90	Hauling OB di PIT Makale	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
05/02/2024	ATCT74005	745	Standby	Fog	Overburden Removal	03.54	05.05	01,18		Shift 2
05/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	05.05	06.45	01,67	Hauling OB di PIT Makale	Shift 2
05/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
05/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
05/02/2024	ATCT74007	745	Standby	Road Preparation	Overburden Removal	07.15	10.21	03,10	Masih ada Perbaikan jalan	Shift 1
05/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	10.21	12.00	01,65	Hauling OB di PIT Makale	Shift 1
05/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
05/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
05/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
05/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	19.00	20.10	01,17		Shift 2
05/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	20.10	20.55	00,75		Shift 2
05/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	20.55	00.00	03,08	Hauling OB di PIT Makale	Shift 2
05/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
05/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	01.00	02.00	01,00	Hauling OB di PIT Makale	Shift 2
05/02/2024	ATCT74007	745	Standby	Road Preparation	Overburden Removal	02.00	06.45	04,75	di STB kan Pengawas (Pak Topan)	Shift 2
05/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
06/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	07.00	19.00	12,00	Tyre Post 4 Bocor	Shift 1
06/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	19.00	07.00	12,00	Tyre Post 4 Bocor	Shift 2
06/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74002	745	Standby	Wait Loader (UA)	Overburden Removal	07.15	09.08	01,88	Loader Perbaikan jalan di PIT Makale	Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	09.08	09.20	00,20	Hauling OB di PIT Makale	Shift 1
	CT74002	745	Working	Quarry	Quarry	09.20	09.35	00,25	Hauling Boulder dari IRA di PIT Makale	Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	09.35	12.00	02,42	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
06/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
06/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	13.00	14.00	01,00	Hauling OB di PIT Makale	Shift 1
06/02/2024	ATCT74002	745	Breakdown	BD Schedule	Overburden Removal	14.00	15.56	01,93	Service	Shift 1
06/02/2024	ATCT74002	745	Standby	Wait Operator	Ore Getting	15.56	16.15	00,32		Shift 1
06/02/2024	ATCT74002	745	Standby	Rain	Ore Getting	16.15	19.00	02,75		Shift 1
06/02/2024	ATCT74002	745	Standby	Rain	Ore Getting	19.00	21.45	02,75		Shift 2
06/02/2024	ATCT74002	745	Standby	Weather Condition	Ore Getting	21.45	22.10	00,42		Shift 2
06/02/2024	ATCT74002	745	Standby	Slippery	Ore Getting	22.10	00.00	01,83		Shift 2
06/02/2024	ATCT74002	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
06/02/2024	ATCT74002	745	Standby	Slippery	Ore Getting	01.00	04.13	03,22		Shift 2
06/02/2024	ATCT74002	745	Standby	Wait Stock Material	Ore Getting	04.13	06.45	02,53		Shift 2
06/02/2024	ATCT74002	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
06/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
06/02/2024	ATCT74003	745	Standby	Wait Loader (UA)	Overburden Removal	07.15	08.00	00,75	Loader Lansir OB di PIT Makale	Shift 1
06/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	08.00	08.20	00,33	Hauling OB di PIT Makale	Shift 1
06/02/2024	ATCT74003	745	Working	Quarry	Quarry	08.20	08.40	00,33	Hauling Boulder dari IRA di PIT Makale	Shift 1
06/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	08.40	10.00	01,33	Hauling OB di PIT Makale	Shift 1
06/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	10.00	12.00	02,00	Hauling Soil di PIT Makale	Shift 1
06/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
06/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	13.00	14.12	01,20	Hauling Soil di PIT Makale	Shift 1
	CT74003	745	Working	OB Removal	Overburden Removal	14.12	16.15	02,05	Hauling OB di PIT Makale	Shift 1
	CT74003	745	Standby	Rain	Overburden Removal	16.15	19.00	02,75		Shift 1
	CT74003	745	Standby	Rain	Overburden Removal	19.00	21.45	02,75		Shift 2
	CT74003	745	Standby	Weather Condition	Overburden Removal	21.45	22.10	00,42		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
06/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	22.10	00.00	01,83		Shift 2
06/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
06/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	01.00	04.13	03,22		Shift 2
06/02/2024	ATCT74003	745	Standby	Access Problem	Overburden Removal	04.13	06.45	02,53		Shift 2
06/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
06/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
06/02/2024	ATCT74004	745	Standby	Wait Operator	Ore Getting	07.15	12.00	04,75		Shift 1
06/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
06/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	16.15	03,25	Hauling OB di PIT Makale	Shift 1
06/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	16.15	19.00	02,75		Shift 1
06/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	19.00	21.45	02,75		Shift 2
06/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	21.45	22.10	00,42		Shift 2
06/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	22.10	00.00	01,83		Shift 2
06/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
06/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	01.00	04.13	03,22		Shift 2
06/02/2024	ATCT74004	745	Standby	Access Problem	Overburden Removal	04.13	06.45	02,53		Shift 2
06/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
06/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
06/02/2024	ATCT74005	745	Standby	Road Preparation	Overburden Removal	07.15	09.08	01,88		Shift 1
06/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	09.08	09.35	00,45	Hauling OB di PIT Makale	Shift 1
	CT74005	745	Working	Quarry	Quarry	09.35	09.50	00,25	Hauling Boulder dari IRA di PIT Makale	Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	09.50	12.00	02,17	Hauling OB di PIT Makale	Shift 1
	CT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	13.00	16.15	03,25	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
06/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	16.15	19.00	02,75		Shift 1
06/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	19.00	21.45	02,75		Shift 2
06/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	21.45	22.10	00,42		Shift 2
06/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	22.10	00.00	01,83		Shift 2
06/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
06/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	01.00	04.13	03,22		Shift 2
06/02/2024	ATCT74005	745	Standby	Access Problem	Overburden Removal	04.13	06.45	02,53		Shift 2
06/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
06/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
06/02/2024	ATCT74007	745	Standby	Wait Loader (UA)	Overburden Removal	07.15	07.34	00,32	Loader Lansir OB di PIT Makale	Shift 1
06/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	07.34	10.00	02,43	Hauling OB di PIT Makale	Shift 1
06/02/2024	ATCT74007	745	Breakdown	BD Schedule	Overburden Removal	10.00	15.56	05,93	Service	Shift 1
06/02/2024	ATCT74007	745	Standby	Wait Operator	Ore Getting	15.56	16.15	00,32		Shift 1
06/02/2024	ATCT74007	745	Standby	Rain	Ore Getting	16.15	19.00	02,75		Shift 1
06/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	19.00	21.45	02,75		Shift 2
06/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	21.45	22.10	00,42		Shift 2
06/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	22.10	00.00	01,83		Shift 2
06/02/2024	ATCT74007	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
06/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	01.00	04.13	03,22		Shift 2
06/02/2024	ATCT74007	745	Standby	Access Problem	Overburden Removal	04.13	06.45	02,53		Shift 2
	CT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	07.00	19.00	12,00	Tyre Post 4 Bocor	Shift 1
	CT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	19.00	07.00	12,00	Tyre Post 4 Bocor	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
07/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
07/02/2024	ATCT74002	745	Standby	Disposal Preparation	Overburden Removal	07.15	09.10	01,92		Shift 1
07/02/2024	ATCT74002	745	Working	Quarry	Quarry	09.10	10.30	01,33	Hauling Quarry di IRA	Shift 1
07/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	10.30	11.30	01,00	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74002	745	Working	Quarry	Quarry	11.30	12.00	00,50	Hauling Quarry di IRA	Shift 1
07/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
07/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	13.00	14.25	01,42	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	14.25	16.30	02,08		Shift 1
07/02/2024	ATCT74002	745	Standby	Weather Condition	Overburden Removal	16.30	17.00	00,50		Shift 1
07/02/2024	ATCT74002	745	Standby	Slippery	Overburden Removal	17.00	17.25	00,42		Shift 1
07/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	17.25	19.00	01,58		Shift 1
07/02/2024	ATCT74002	745	Standby	Rain	Ore Getting	19.00	21.10	02,17		Shift 2
07/02/2024	ATCT74002	745	Standby	Weather Condition	Ore Getting	21.10	22.00	00,83		Shift 2
07/02/2024	ATCT74002	745	Standby	Slippery	Ore Getting	22.00	23.00	01,00		Shift 2
07/02/2024	ATCT74002	745	Standby	Rain	Ore Getting	23.00	00.00	01,00		Shift 2
07/02/2024	ATCT74002	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
07/02/2024	ATCT74002	745	Standby	Weather Condition	Ore Getting	01.00	01.40	00,67		Shift 2
07/02/2024	ATCT74002	745	Standby	Slippery	Ore Getting	01.40	06.45	05,08		Shift 2
07/02/2024	ATCT74002	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
07/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
07/02/2024	CT74003	745	Standby	Disposal Preparation	Overburden Removal	07.15	09.23	02,13		Shift 1
07/02/2024	CT74003	745	Working	OB Removal	Overburden Removal	09.23	10.30	01,12	Hauling OB di PIT Makale	Shift 1
07/02/2024	CT74003	745	Working	Quarry	Quarry	10.30	11.00	00,50	Hauling Quarry di IRA	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
07/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	11.00	12.00	01,00	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
07/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.00	14.25	01,42	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	14.25	16.30	02,08		Shift 1
07/02/2024	ATCT74003	745	Standby	Weather Condition	Overburden Removal	16.30	17.00	00,50		Shift 1
07/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	17.00	17.25	00,42		Shift 1
07/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	17.25	19.00	01,58		Shift 1
07/02/2024	ATCT74003	745	Standby	Rain	Ore Getting	19.00	21.10	02,17		Shift 2
07/02/2024	ATCT74003	745	Standby	Weather Condition	Ore Getting	21.10	22.00	00,83		Shift 2
07/02/2024	ATCT74003	745	Standby	Slippery	Ore Getting	22.00	23.00	01,00		Shift 2
07/02/2024	ATCT74003	745	Standby	Rain	Ore Getting	23.00	00.00	01,00		Shift 2
07/02/2024	ATCT74003	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
07/02/2024	ATCT74003	745	Standby	Weather Condition	Ore Getting	01.00	01.40	00,67		Shift 2
07/02/2024	ATCT74003	745	Standby	Slippery	Ore Getting	01.40	06.45	05,08		Shift 2
07/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
07/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
07/02/2024	ATCT74004	745	Standby	Disposal Preparation	Overburden Removal	07.15	09.23	02,13		Shift 1
07/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	09.23	12.00	02,62	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
07/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	14.25	01,42	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	14.25	16.30	02,08		Shift 1
07/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	16.30	17.00	00,50		Shift 1
07/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	17.00	17.25	00,42		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
07/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	17.25	19.00	01,58		Shift 1
07/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	19.00	21.10	02,17		Shift 2
07/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	21.10	22.00	00,83		Shift 2
07/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	22.00	23.00	01,00		Shift 2
07/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	23.00	00.00	01,00		Shift 2
07/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
07/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	01.00	01.40	00,67		Shift 2
07/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	01.40	06.45	05,08		Shift 2
07/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
07/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
07/02/2024	ATCT74005	745	Standby	Disposal Preparation	Overburden Removal	07.15	09.00	01,75		Shift 1
07/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	09.00	12.00	03,00	Hauling Soil di PIT Makale	Shift 1
07/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
07/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	13.00	13.40	00,67	Hauling Soil di PIT Makale	Shift 1
07/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	13.40	14.25	00,75	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	14.25	16.30	02,08		Shift 1
07/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	16.30	17.00	00,50		Shift 1
07/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	17.00	17.25	00,42		Shift 1
07/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	17.25	19.00	01,58		Shift 1
07/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	19.00	21.10	02,17		Shift 2
07/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	21.10	22.00	00,83		Shift 2
07/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	22.00	23.00	01,00		Shift 2
07/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	23.00	00.00	01,00		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
07/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
07/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	01.00	01.40	00,67		Shift 2
07/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	01.40	06.45	05,08		Shift 2
07/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
07/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
07/02/2024	ATCT74007	745	Standby	Disposal Preparation	Overburden Removal	07.15	09.23	02,13		Shift 1
07/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	09.23	10.30	01,12	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74007	745	Working	Quarry	Quarry	10.30	11.30	01,00	Hauling Quarry di IRA	Shift 1
07/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	11.30	12.00	00,50	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
07/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	14.25	01,42	Hauling OB di PIT Makale	Shift 1
07/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	14.25	16.30	02,08		Shift 1
07/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	16.30	17.00	00,50		Shift 1
07/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	17.00	17.25	00,42		Shift 1
07/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	17.25	19.00	01,58		Shift 1
07/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	19.00	21.10	02,17		Shift 2
07/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	21.10	22.00	00,83		Shift 2
07/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	22.00	23.00	01,00		Shift 2
07/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	23.00	00.00	01,00		Shift 2
07/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
07/02/2024	CT74007	745	Standby	Weather Condition	Overburden Removal	01.00	01.40	00,67		Shift 2
07/02/2024	CT74007	745	Standby	Slippery	Overburden Removal	01.40	06.45	05,08		Shift 2
07/02/2024	CT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
08/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	07.00	19.00	12,00	Tyre Post 4 Bocor	Shift 1
08/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	19.00	07.00	12,00	Tyre Post 4 Bocor	Shift 2
08/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
08/02/2024	ATCT74002	745	Standby	Slippery	Overburden Removal	07.15	07.44	00,48		Shift 1
08/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	07.44	09.24	01,67		Shift 1
08/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	09.24	10.00	00,60	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74002	745	Working	Quarry	Quarry	10.00	11.00	01,00	Hauling Quarry Pit Makale	Shift 1
08/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	11.00	12.00	01,00	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
08/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	13.00	14.30	01,50	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	14.30	18.45	04,25	Hauling Soil di PIT Makale	Shift 1
08/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
08/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
08/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	19.15	19.32	00,28		Shift 2
08/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	19.32	21.50	02,30	Hauling OB di PIT Makale	Shift 2
08/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	21.50	22.30	00,67		Shift 2
08/02/2024	ATCT74002	745	Standby	Slippery	Overburden Removal	22.30	00.00	01,50		Shift 2
08/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
08/02/2024	ATCT74002	745	Standby	Road Preparation	Overburden Removal	01.00	06.45	05,75		Shift 2
	CT74002	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74003	745	Standby	Slippery	Overburden Removal	07.15	07.44	00,48		Shift 1
	CT74003	745	Standby	Front Preparation	Overburden Removal	07.44	09.24	01,67		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
08/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	09.24	12.00	02,60	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
08/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.00	14.30	01,50	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	14.30	18.45	04,25	Hauling Soil di PIT Makale	Shift 1
08/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
08/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
08/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	19.15	19.32	00,28		Shift 2
08/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	19.32	21.50	02,30	Hauling OB di PIT Makale	Shift 2
08/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	21.50	22.30	00,67		Shift 2
08/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	22.30	00.00	01,50		Shift 2
08/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
08/02/2024	ATCT74003	745	Standby	Road Preparation	Overburden Removal	01.00	06.45	05,75		Shift 2
08/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
08/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
08/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	07.15	07.44	00,48		Shift 1
08/02/2024	ATCT74004	745	Standby	Wait Loader (UA)	Overburden Removal	07.44	10.00	02,27	Loader Perbaikan Front di PIT Makale	Shift 1
08/02/2024	ATCT74004	745	Working	Quarry	Quarry	10.00	10.25	00,42	Hauling Quarry di Makale	Shift 1
08/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	10.25	12.00	01,58	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
08/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
	CT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
	CT74004	745	Standby	Wait Instruction	Overburden Removal	19.15	19.28	00,22		Shift 2
	CT74004	745	Working	Soil Stripping	Overburden Removal	19.28	21.50	02,37	Hauling SOIL di PIT Makale	Shift 2
	CT74004	745	Standby	Rain	Ore Getting	21.50	22.30	00,67		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
08/02/2024	ATCT74004	745	Standby	Slippery	Ore Getting	22.30	00.00	01,50		Shift 2
08/02/2024	ATCT74004	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
08/02/2024	ATCT74004	745	Standby	Wait Stock Material	Ore Getting	01.00	06.45	05,75		Shift 2
08/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
08/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
08/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	07.15	07.44	00,48		Shift 1
08/02/2024	ATCT74005	745	Standby	Wait Loader (UA)	Overburden Removal	07.44	09.00	01,27	Loader Perbaikan Front di PIT Makale	Shift 1
08/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	09.00	10.00	01,00	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74005	745	Working	General Activity	General Activity	10.00	10.25	00,42	Hauling Non volume di Makale	Shift 1
08/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	10.25	12.00	01,58	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
08/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
08/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
08/02/2024	ATCT74005	745	Standby	Wait Instruction	Overburden Removal	19.15	19.28	00,22		Shift 2
08/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	19.28	21.50	02,37	Hauling SOIL di PIT Makale	Shift 2
08/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	21.50	22.30	00,67		Shift 2
08/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	22.30	00.00	01,50		Shift 2
08/02/2024	ATCT74005	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
08/02/2024	ATCT74005	745	Standby	Wait Stock Material	Ore Getting	01.00	06.45	05,75		Shift 2
	CT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
	CT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74007	745	Standby	Slippery	Overburden Removal	07.15	07.44	00,48		Shift 1
	CT74007	745	Standby	Front Preparation	Overburden Removal	07.44	09.24	01,67		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
08/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	09.24	10.00	00,60	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74007	745	Working	Quarry	Quarry	10.00	11.00	01,00	Hauling Quarry Pit Makale	Shift 1
08/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	11.00	12.00	01,00	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
08/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	14.30	01,50	Hauling OB di PIT Makale	Shift 1
08/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	14.30	18.45	04,25	Hauling Soil di PIT Makale	Shift 1
08/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
08/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
08/02/2024	ATCT74007	745	Standby	Wait Instruction	Overburden Removal	19.15	20.00	00,75		Shift 2
08/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	20.00	21.50	01,83	Hauling SOIL di PIT Makale	Shift 2
08/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	21.50	22.30	00,67		Shift 2
08/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	22.30	00.00	01,50		Shift 2
08/02/2024	ATCT74007	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
08/02/2024	ATCT74007	745	Standby	Wait Stock Material	Ore Getting	01.00	06.45	05,75		Shift 2
08/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
09/02/2024	ATCT74001	745	Breakdown	BD Tyre Unschedule	Ore Getting	07.00	15.35	08,58	Tyre Post 4 Bocor	Shift 1
09/02/2024	ATCT74001	745	Standby	Wait Operator	Ore Getting	15.35	17.00	01,42		Shift 1
09/02/2024	ATCT74001	745	Working	General Activity	General Activity	17.00	17.30	00,50	Moving dari WS Ke PIT Makale	Shift 1
09/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	17.30	18.45	01,25	Hauling OB di PIT Makale	Shift 1
	CT74001	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
	CT74001	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
	CT74001	745	Standby	Wait Instruction	Ore Getting	19.15	19.35	00,33		Shift 2
	CT74001	745	Working	Ore Getting	Ore Getting	19.35	23.05	03,50	Hauling Ore di PIT Makale - ETO IRF	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
09/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	23.05	00.00	00,92	Hauling OB di PIT Makale	Shift 2
09/02/2024	ATCT74001	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
09/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	01.00	03.00	02,00	Hauling Ore di PIT Makale - ETO IRF	Shift 2
09/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	03.00	06.45	03,75	Hauling OB di PIT Makale	Shift 2
09/02/2024	ATCT74001	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
09/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
09/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	07.15	08.50	01,58		Shift 1
09/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	08.50	09.00	00,17	Hauling Soil di PIT Makale	Shift 1
09/02/2024	ATCT74002	745	Standby	Survey Measurement	Overburden Removal	09.00	09.06	00,10		Shift 1
09/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	09.06	10.30	01,40	Hauling Soil di PIT Makale	Shift 1
09/02/2024	ATCT74002	745	Working	General Activity	General Activity	10.30	11.00	00,50	Hauling Material Non Volume di PIT Makale	Shift 1
09/02/2024	ATCT74002	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
09/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
09/02/2024	ATCT74002	745	Working	General Activity	General Activity	13.00	13.30	00,50	Hauling Material Non Volume di PIT Makale	Shift 1
09/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	13.30	18.45	05,25	Hauling Soil di PIT Makale	Shift 1
09/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
09/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
09/02/2024	ATCT74002	745	Standby	Wait Instruction	Overburden Removal	19.15	19.50	00,58		Shift 2
09/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	19.50	00.00	04,17	Hauling Soil di PIT Makale	Shift 2
09/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74002	745	Working	Soil Stripping	Overburden Removal	01.00	02.00	01,00	Hauling Soil di PIT Makale	Shift 2
	CT74002	745	Working	OB Removal	Overburden Removal	02.00	03.00	01,00	Hauling OB di PIT Makale	Shift 2
	CT74002	745	Working	Soil Stripping	Overburden Removal	03.00	06.45	03,75	Hauling Soil di PIT Makale	Shift 2
	CT74002	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
09/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
09/02/2024	ATCT74003	745	Working	General Activity	General Activity	07.15	08.50	01,58	Hauling Material Non Volume di PIT Makale	Shift 1
09/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	08.50	09.00	00,17	Hauling Soil di PIT Makale	Shift 1
09/02/2024	ATCT74003	745	Standby	Survey Measurement	Overburden Removal	09.00	09.06	00,10		Shift 1
09/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	09.06	10.30	01,40	Hauling Soil di PIT Makale	Shift 1
09/02/2024	ATCT74003	745	Working	General Activity	General Activity	10.30	11.00	00,50	Hauling Material Non Volume di PIT Makale	Shift 1
09/02/2024	ATCT74003	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
09/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
09/02/2024	ATCT74003	745	Working	General Activity	General Activity	13.00	13.30	00,50	Hauling Material Non Volume di PIT Makale	Shift 1
09/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	13.30	15.40	02,17	Hauling Soil di PIT Makale	Shift 1
09/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	15.40	18.45	03,08	Hauling Ore di PIT Makale - ETO IRF	Shift 1
09/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
09/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
09/02/2024	ATCT74003	745	Standby	Wait Instruction	Overburden Removal	19.15	19.50	00,58		Shift 2
09/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	19.50	00.00	04,17	Hauling Soil di PIT Makale	Shift 2
09/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
09/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	01.00	02.00	01,00	Hauling Soil di PIT Makale	Shift 2
09/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	02.00	03.00	01,00		Shift 2
09/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	03.00	03.20	00,33	Hauling OB di PIT Makale	Shift 2
09/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	03.20	06.45	03,42	Hauling Soil di PIT Makale	Shift 2
09/02/2024	CT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
09/02/2024	CT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
09/02/2024	CT74004	745	Standby	Road Preparation	Overburden Removal	07.15	09.10	01,92		Shift 1
09/02/2024	CT74004	745	Working	OB Removal	Overburden Removal	09.10	11.00	01,83	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
09/02/2024	ATCT74004	745	Standby	Praying - Friday	Ore Getting	11.00	12.00	01,00		Shift 1
09/02/2024	ATCT74004	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
09/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	15.20	02,33	Hauling OB di PIT Makale	Shift 1
09/02/2024	ATCT74004	745	Working	Ore Getting	Ore Getting	15.20	15.40	00,33	Hauling Ore di PIT Makale - ETO IRF	Shift 1
09/02/2024	ATCT74004	745	Working	Soil Stripping	Overburden Removal	15.40	18.45	03,08	Hauling SOIL di PIT Makale	Shift 1
09/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
09/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
09/02/2024	ATCT74004	745	Standby	Wait Operator	Ore Getting	19.15	00.00	04,75		Shift 2
09/02/2024	ATCT74004	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
09/02/2024	ATCT74004	745	Standby	Wait Operator	Ore Getting	01.00	06.45	05,75		Shift 2
09/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
09/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
09/02/2024	ATCT74005	745	Standby	Road Preparation	Overburden Removal	07.15	09.10	01,92		Shift 1
09/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	09.10	11.00	01,83	Hauling OB di PIT Makale	Shift 1
09/02/2024	ATCT74005	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
09/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
09/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	13.00	15.20	02,33	Hauling OB di PIT Makale	Shift 1
09/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	15.20	15.40	00,33	Hauling Ore di PIT Makale - ETO IRF	Shift 1
09/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	15.40	18.45	03,08	Hauling SOIL di PIT Makale	Shift 1
09/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74005	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
	CT74005	745	Standby	Wait Instruction	Ore Getting	19.15	19.35	00,33		Shift 2
	CT74005	745	Working	Ore Getting	Ore Getting	19.35	23.05	03,50	Hauling Ore di PIT Makale - ETO IRF	Shift 2
	CT74005	745	Working	OB Removal	Overburden Removal	23.05	00.00	00,92	Hauling OB di PIT Makale	Shift 2
	CT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
09/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	01.00	03.00	02,00	Hauling Ore di PIT Makale - ETO IRF	Shift 2
09/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	03.00	06.45	03,75	Hauling OB di PIT Makale	Shift 2
09/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
09/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
09/02/2024	ATCT74007	745	Standby	Road Preparation	Overburden Removal	07.15	09.10	01,92		Shift 1
09/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	09.10	11.00	01,83	Hauling OB di PIT Makale	Shift 1
09/02/2024	ATCT74007	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
09/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
09/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	15.20	02,33	Hauling OB di PIT Makale	Shift 1
09/02/2024	ATCT74007	745	Working	Ore Getting	Ore Getting	15.20	18.45	03,42	Hauling Ore di PIT Makale - ETO IRF	Shift 1
09/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
09/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
09/02/2024	ATCT74007	745	Standby	Wait Instruction	Overburden Removal	19.15	19.50	00,58		Shift 2
09/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	19.50	00.00	04,17	Hauling Soil di PIT Makale	Shift 2
09/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
09/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	01.00	02.00	01,00	Hauling Soil di PIT Makale	Shift 2
09/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	02.00	03.00	01,00	Hauling OB di PIT Makale	Shift 2
09/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	03.00	06.45	03,75	Hauling Soil di PIT Makale	Shift 2
09/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74001	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
	CT74001	745	Standby	Front Preparation	Overburden Removal	07.15	07.25	00,17		Shift 1
	CT74001	745	Working	OB Removal	Overburden Removal	07.25	10.00	02,58	Hauling OB di PIT Makale	Shift 1
	CT74001	745	Working	Soil Stripping	Overburden Removal	10.00	11.20	01,33	Hauling Soil di PIT Makale	Shift 1
	CT74001	745	Working	OB Removal	Overburden Removal	11.20	12.00	00,67	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
10/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	12.45	00,75		Shift 1
10/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	12.45	15.15	02,50		Shift 1
10/02/2024	ATCT74001	745	Standby	Weather Condition	Overburden Removal	15.15	15.25	00,17		Shift 1
10/02/2024	ATCT74001	745	Standby	Slippery	Overburden Removal	15.25	16.30	01,08		Shift 1
10/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	16.30	18.45	02,25	Hauling OB di PIT Makale	Shift 1
10/02/2024	ATCT74001	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
10/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
10/02/2024	ATCT74001	745	Standby	Wait Loader (UA)	Overburden Removal	19.15	20.17	01,03	Menunggu Oprator Exca	Shift 2
10/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	20.17	21.00	00,72	Hauling Soil di PIT Makale	Shift 2
10/02/2024	ATCT74001	745	Standby	Fog	Overburden Removal	21.00	22.00	01,00		Shift 2
10/02/2024	ATCT74001	745	Working	Quarry	Quarry	22.00	00.00	02,00	Hauling Quarry di IRA	Shift 2
10/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
10/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	01.00	02.30	01,50	Hauling Soil di PIT Makale	Shift 2
10/02/2024	ATCT74001	745	Working	Quarry	Quarry	02.30	03.00	00,50	Hauling Quarry di IRA	Shift 2
10/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	03.00	06.45	03,75	Hauling Soil di PIT Makale	Shift 2
10/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
10/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
10/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	07.15	07.25	00,17		Shift 1
10/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	07.25	09.30	02,08	Hauling OB di PIT Makale	Shift 1
10/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	09.30	10.00	00,50	Hauling Soil di PIT Makale	Shift 1
	CT74002	745	Breakdown	BD Schedule	Overburden Removal	10.00	16.30	06,50	Service	Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	16.30	18.05	01,58	Hauling OB di PIT Makale	Shift 1
	CT74002	745	Working	Soil Stripping	Overburden Removal	18.05	18.45	00,67	Hauling Soil di PIT Makale	Shift 1
	CT74002	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
10/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
10/02/2024	ATCT74002	745	Standby	Wait Loader (UA)	Overburden Removal	19.15	20.17	01,03	Menunggu Oprator Exca	Shift 2
10/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	20.17	21.00	00,72	Hauling Soil di PIT Makale	Shift 2
10/02/2024	ATCT74002	745	Standby	Fog	Overburden Removal	21.00	22.00	01,00		Shift 2
10/02/2024	ATCT74002	745	Working	Quarry	Quarry	22.00	00.00	02,00	Hauling Quarry di IRA	Shift 2
10/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
10/02/2024	ATCT74002	745	Working	Soil Stripping	Overburden Removal	01.00	06.45	05,75	Hauling Soil di PIT Makale	Shift 2
10/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
10/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
10/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	07.15	07.35	00,33		Shift 1
10/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	07.35	10.00	02,42	Hauling OB di PIT Makale	Shift 1
10/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	10.00	12.00	02,00	Hauling Soil di PIT Makale	Shift 1
10/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	12.45	00,75		Shift 1
10/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	12.45	15.15	02,50		Shift 1
10/02/2024	ATCT74003	745	Standby	Weather Condition	Overburden Removal	15.15	15.25	00,17		Shift 1
10/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	15.25	16.30	01,08		Shift 1
10/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	16.30	18.45	02,25	Hauling OB di PIT Makale	Shift 1
10/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
10/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
10/02/2024	ATCT74003	745	Standby	Wait Loader (UA)	Overburden Removal	19.15	20.30	01,25	Menunggu Oprator Exca	Shift 2
	CT74003	745	Working	Soil Stripping	Overburden Removal	20.30	21.00	00,50	Hauling Soil di PIT Makale	Shift 2
	CT74003	745	Standby	Fog	Overburden Removal	21.00	22.00	01,00		Shift 2
	CT74003	745	Working	Soil Stripping	Overburden Removal	22.00	00.00	02,00	Hauling Soil di PIT Makale	Shift 2
	CT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
10/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	01.00	06.45	05,75	Hauling Soil di PIT Makale	Shift 2
10/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
10/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
10/02/2024	ATCT74004	745	Breakdown	BD Tyre Unschedule	Overburden Removal	07.15	09.20	02,08	Tyre No 4 Terbelah	Shift 1
10/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	09.20	10.00	00,67	Hauling OB di PIT Makale	Shift 1
10/02/2024	ATCT74004	745	Working	Soil Stripping	Overburden Removal	10.00	12.00	02,00	Hauling Soil di PIT Makale	Shift 1
10/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	12.45	00,75		Shift 1
10/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	12.45	15.15	02,50		Shift 1
10/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	15.15	15.25	00,17		Shift 1
10/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	15.25	16.30	01,08		Shift 1
10/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	16.30	16.45	00,25	Hauling OB di PIT Makale	Shift 1
10/02/2024	ATCT74004	745	Working	Soil Stripping	Overburden Removal	16.45	18.45	02,00	Hauling Soil di PIT Makale	Shift 1
10/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
10/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
10/02/2024	ATCT74004	745	Standby	Wait Loader (UA)	Ore Getting	19.15	20.30	01,25	Menunggu Oprator Exca	Shift 2
10/02/2024	ATCT74004	745	Standby	Wait Stock Material	Ore Getting	20.30	21.00	00,50		Shift 2
10/02/2024	ATCT74004	745	Standby	Fog	Ore Getting	21.00	22.00	01,00		Shift 2
10/02/2024	ATCT74004	745	Standby	Wait Stock Material	Ore Getting	22.00	23.00	01,00		Shift 2
10/02/2024	ATCT74004	745	Working	Quarry	Quarry	23.00	00.00	01,00	Hauling Quarry di IRA	Shift 2
10/02/2024	ATCT74004	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
10/02/2024	CT74004	745	Working	Soil Stripping	Overburden Removal	01.00	06.45	05,75	Hauling Soil di PIT Makale	Shift 2
10/02/2024	CT74004	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
10/02/2024	CT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
10/02/2024	CT74005	745	Standby	Front Preparation	Overburden Removal	07.15	07.25	00,17		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
10/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	07.25	10.00	02,58	Hauling OB di PIT Makale	Shift 1
10/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	10.00	12.00	02,00	Hauling Soil di PIT Makale	Shift 1
10/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	12.45	00,75		Shift 1
10/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	12.45	15.15	02,50		Shift 1
10/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	15.15	15.25	00,17		Shift 1
10/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	15.25	16.30	01,08		Shift 1
10/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	16.30	16.45	00,25	Hauling OB di PIT Makale	Shift 1
10/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	16.45	18.45	02,00	Hauling Soil di PIT Makale	Shift 1
10/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
10/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
10/02/2024	ATCT74005	745	Standby	Wait Loader (UA)	Overburden Removal	19.15	20.30	01,25	Menunggu Oprator Exca	Shift 2
10/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	20.30	21.00	00,50	Hauling Soil di PIT Makale	Shift 2
10/02/2024	ATCT74005	745	Standby	Fog	Overburden Removal	21.00	22.00	01,00		Shift 2
10/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	22.00	00.00	02,00	Hauling Soil di PIT Makale	Shift 2
10/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
10/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	01.00	06.45	05,75	Hauling Soil di PIT Makale	Shift 2
10/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
10/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
10/02/2024	ATCT74007	745	Standby	Front Preparation	Overburden Removal	07.15	07.35	00,33		Shift 1
10/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	07.35	10.00	02,42	Hauling OB di PIT Makale	Shift 1
	CT74007	745	Working	General Activity	General Activity	10.00	10.30	00,50	Hauling Material Non Volume di PIT Makale	Shift 1
	CT74007	745	Working	Soil Stripping	Overburden Removal	10.30	12.00	01,50	Hauling Soil di PIT Makale	Shift 1
	CT74007	745	Standby	Meal & Rest	Ore Getting	12.00	12.45	00,75		Shift 1
	CT74007	745	Standby	Rain	Overburden Removal	12.45	15.15	02,50		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
10/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	15.15	15.25	00,17		Shift 1
10/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	15.25	16.30	01,08		Shift 1
10/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	16.30	18.45	02,25	Hauling Soil di PIT Makale	Shift 1
10/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
10/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
10/02/2024	ATCT74007	745	Standby	Wait Operator	Ore Getting	19.15	00.00	04,75		Shift 2
10/02/2024	ATCT74007	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
10/02/2024	ATCT74007	745	Standby	Wait Operator	Ore Getting	01.00	06.45	05,75		Shift 2
10/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
11/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
11/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	07.15	07.20	00,08		Shift 1
11/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	07.20	08.30	01,17	Hauling OB di PIT Makale	Shift 1
11/02/2024	ATCT74001	745	Working	Quarry	Quarry	08.30	09.30	01,00	Hauling Quarry di IRA	Shift 1
11/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	09.30	12.00	02,50	Hauling OB di PIT Makale	Shift 1
11/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
11/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	13.00	14.35	01,58		Shift 1
11/02/2024	ATCT74001	745	Standby	Weather Condition	Overburden Removal	14.35	14.55	00,33		Shift 1
11/02/2024	ATCT74001	745	Standby	Slippery	Overburden Removal	14.55	15.50	00,92		Shift 1
11/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	15.50	18.45	02,92	Hauling Soil di PIT Makale	Shift 1
	CT74001	745	Standby	Rain	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74001	745	Standby	Rain	Ore Getting	19.00	21.40	02,67		Shift 2
	CT74001	745	Standby	Weather Condition	Ore Getting	21.40	22.05	00,42		Shift 2
	CT74001	745	Standby	Slippery	Ore Getting	22.05	00.00	01,92		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
11/02/2024	ATCT74001	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
11/02/2024	ATCT74001	745	Standby	Slippery	Ore Getting	01.00	02.17	01,28		Shift 2
11/02/2024	ATCT74001	745	Standby	Access Problem	Ore Getting	02.17	06.45	04,47		Shift 2
11/02/2024	ATCT74001	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
11/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
11/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	07.15	07.20	00,08		Shift 1
11/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	07.20	09.20	02,00	Hauling OB di PIT Makale	Shift 1
11/02/2024	ATCT74002	745	Working	Quarry	Quarry	09.20	10.00	00,67	Hauling Quarry di IRA	Shift 1
11/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	10.00	12.00	02,00	Hauling OB di PIT Makale	Shift 1
11/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Overburden Removal	12.00	19.00	07,00	AC Panas	Shift 1
11/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Overburden Removal	19.00	07.00	12,00	AC Panas	Shift 2
11/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
11/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	07.15	07.20	00,08		Shift 1
11/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	07.20	09.00	01,67	Hauling Soil di PIT Makale	Shift 1
11/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	09.00	10.00	01,00	Hauling OB di PIT Makale	Shift 1
11/02/2024	ATCT74003	745	Breakdown	BD Schedule	Overburden Removal	10.00	17.00	07,00	Service	Shift 1
11/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	17.00	18.45	01,75	Hauling Soil di PIT Makale	Shift 1
11/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	18.45	19.00	00,25		Shift 1
11/02/2024	ATCT74003	745	Standby	Rain	Ore Getting	19.00	21.40	02,67		Shift 2
11/02/2024	ATCT74003	745	Standby	Weather Condition	Ore Getting	21.40	22.05	00,42		Shift 2
	CT74003	745	Standby	Slippery	Ore Getting	22.05	00.00	01,92		Shift 2
	CT74003	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
	CT74003	745	Standby	Slippery	Ore Getting	01.00	02.17	01,28		Shift 2
	CT74003	745	Standby	Access Problem	Ore Getting	02.17	06.45	04,47		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
11/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
11/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
11/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	07.15	07.20	00,08		Shift 1
11/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	07.20	12.00	04,67	Hauling OB di PIT Makale	Shift 1
11/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
11/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	13.00	14.35	01,58		Shift 1
11/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	14.35	14.55	00,33		Shift 1
11/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	14.55	15.50	00,92		Shift 1
11/02/2024	ATCT74004	745	Working	Soil Stripping	Overburden Removal	15.50	18.45	02,92	Hauling Soil di PIT Makale	Shift 1
11/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	18.45	19.00	00,25		Shift 1
11/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	19.00	21.40	02,67		Shift 2
11/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	21.40	22.05	00,42		Shift 2
11/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	22.05	00.00	01,92		Shift 2
11/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
11/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	01.00	02.17	01,28		Shift 2
11/02/2024	ATCT74004	745	Standby	Access Problem	Overburden Removal	02.17	06.45	04,47		Shift 2
11/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
11/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
11/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	07.15	07.20	00,08		Shift 1
11/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	07.20	07.40	00,33	Hauling OB di PIT Makale	Shift 1
	CT74005	745	Working	Soil Stripping	Overburden Removal	07.40	09.00	01,33	Hauling Soil di PIT Makale	Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	09.00	12.00	03,00	Hauling OB di PIT Makale	Shift 1
	CT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74005	745	Standby	Rain	Overburden Removal	13.00	14.35	01,58		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
11/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	14.35	14.55	00,33		Shift 1
11/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	14.55	15.50	00,92		Shift 1
11/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	15.50	18.45	02,92	Hauling Soil di PIT Makale	Shift 1
11/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	18.45	19.00	00,25		Shift 1
11/02/2024	ATCT74005	745	Standby	Rain	Ore Getting	19.00	21.40	02,67		Shift 2
11/02/2024	ATCT74005	745	Standby	Weather Condition	Ore Getting	21.40	22.05	00,42		Shift 2
11/02/2024	ATCT74005	745	Standby	Slippery	Ore Getting	22.05	00.00	01,92		Shift 2
11/02/2024	ATCT74005	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
11/02/2024	ATCT74005	745	Standby	Slippery	Ore Getting	01.00	02.17	01,28		Shift 2
11/02/2024	ATCT74005	745	Standby	Access Problem	Ore Getting	02.17	06.45	04,47		Shift 2
11/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
11/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
11/02/2024	ATCT74007	745	Standby	Front Preparation	Overburden Removal	07.15	07.20	00,08		Shift 1
11/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	07.20	12.00	04,67	Hauling OB di PIT Makale	Shift 1
11/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
11/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	13.00	14.35	01,58		Shift 1
11/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	14.35	14.55	00,33		Shift 1
11/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	14.55	15.50	00,92		Shift 1
11/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	15.50	18.45	02,92	Hauling Soil di PIT Makale	Shift 1
11/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74007	745	Standby	Rain	Ore Getting	19.00	21.40	02,67		Shift 2
	CT74007	745	Standby	Weather Condition	Ore Getting	21.40	22.05	00,42		Shift 2
	CT74007	745	Standby	Slippery	Ore Getting	22.05	00.00	01,92		Shift 2
	CT74007	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
11/02/2024	ATCT74007	745	Standby	Slippery	Ore Getting	01.00	02.17	01,28		Shift 2
11/02/2024	ATCT74007	745	Standby	Access Problem	Ore Getting	02.17	06.45	04,47		Shift 2
11/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
12/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
12/02/2024	ATCT74001	745	Standby	Efisiensi Fuel	General Activity	07.15	12.00	04,75	Upacara Penutupan BK3N	Shift 1
12/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
12/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	13.00	13.35	00,58	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	13.35	14.10	00,58		Shift 1
12/02/2024	ATCT74001	745	Standby	Weather Condition	Overburden Removal	14.10	14.45	00,58		Shift 1
12/02/2024	ATCT74001	745	Standby	Slippery	Overburden Removal	14.45	14.50	00,08		Shift 1
12/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	14.50	15.45	00,92	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	15.45	17.40	01,92		Shift 1
12/02/2024	ATCT74001	745	Standby	Weather Condition	Overburden Removal	17.40	18.45	01,08		Shift 1
12/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
12/02/2024	ATCT74001	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
12/02/2024	ATCT74001	745	Standby	Slippery	Ore Getting	19.15	22.00	02,75		Shift 2
12/02/2024	ATCT74001	745	Standby	Rain	Ore Getting	22.00	03.00	05,00		Shift 2
12/02/2024	ATCT74001	745	Standby	Weather Condition	Ore Getting	03.00	04.30	01,50		Shift 2
12/02/2024	ATCT74001	745	Standby	Slippery	Ore Getting	04.30	06.45	02,25		Shift 2
	CT74001	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
	CT74002	745	Breakdown	BD Unschedule	Overburden Removal	07.00	19.00	12,00	AC Panas	Shift 1
	CT74002	745	Breakdown	BD Unschedule	Overburden Removal	19.00	07.00	12,00	AC Panas	Shift 2
	CT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
12/02/2024	ATCT74003	745	Standby	Wait Operator	Overburden Removal	07.15	08.00	00,75		Shift 1
12/02/2024	ATCT74003	745	Working	Quarry	Quarry	08.00	10.40	02,67	Hauling Quarry di IRA	Shift 1
12/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	10.40	12.00	01,33	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
12/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.00	13.35	00,58	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	13.35	14.10	00,58		Shift 1
12/02/2024	ATCT74003	745	Standby	Weather Condition	Overburden Removal	14.10	14.45	00,58		Shift 1
12/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	14.45	14.50	00,08		Shift 1
12/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	14.50	15.45	00,92	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	15.45	17.40	01,92		Shift 1
12/02/2024	ATCT74003	745	Standby	Weather Condition	Overburden Removal	17.40	18.45	01,08		Shift 1
12/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
12/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
12/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	19.15	22.00	02,75		Shift 2
12/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	22.00	03.00	05,00		Shift 2
12/02/2024	ATCT74003	745	Standby	Weather Condition	Overburden Removal	03.00	04.30	01,50		Shift 2
12/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	04.30	06.45	02,25		Shift 2
12/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
12/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
12/02/2024	ATCT74004	745	Standby	Efisiensi Fuel	General Activity	07.15	12.00	04,75	Upacara Penutupan BK3N	Shift 1
	CT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74004	745	Working	OB Removal	Overburden Removal	13.00	13.35	00,58	Hauling OB di PIT Makale	Shift 1
	CT74004	745	Standby	Rain	Overburden Removal	13.35	14.10	00,58		Shift 1
	CT74004	745	Standby	Weather Condition	Overburden Removal	14.10	14.45	00,58		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
12/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	14.45	14.50	00,08		Shift 1
12/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	14.50	15.45	00,92	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	15.45	17.40	01,92		Shift 1
12/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	17.40	18.45	01,08		Shift 1
12/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
12/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
12/02/2024	ATCT74004	745	Standby	Slippery	Ore Getting	19.15	22.00	02,75		Shift 2
12/02/2024	ATCT74004	745	Standby	Rain	Ore Getting	22.00	03.00	05,00		Shift 2
12/02/2024	ATCT74004	745	Standby	Weather Condition	Ore Getting	03.00	04.30	01,50		Shift 2
12/02/2024	ATCT74004	745	Standby	Slippery	Ore Getting	04.30	06.45	02,25		Shift 2
12/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
12/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
12/02/2024	ATCT74005	745	Standby	Wait Operator	Overburden Removal	07.15	08.00	00,75		Shift 1
12/02/2024	ATCT74005	745	Working	Quarry	Quarry	08.00	10.40	02,67	Hauling Quarry di IRA	Shift 1
12/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	10.40	12.00	01,33	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
12/02/2024	ATCT74005	745	Breakdown	BD Unschedule	Overburden Removal	13.00	15.00	02,00	Service	Shift 1
12/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	15.00	15.45	00,75	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	15.45	17.40	01,92		Shift 1
12/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	17.40	18.45	01,08		Shift 1
	CT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74005	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
	CT74005	745	Standby	Slippery	Ore Getting	19.15	22.00	02,75		Shift 2
	CT74005	745	Standby	Rain	Ore Getting	22.00	03.00	05,00		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
12/02/2024	ATCT74005	745	Standby	Weather Condition	Ore Getting	03.00	04.30	01,50		Shift 2
12/02/2024	ATCT74005	745	Standby	Slippery	Ore Getting	04.30	06.45	02,25		Shift 2
12/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
12/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
12/02/2024	ATCT74007	745	Standby	Efisiensi Fuel	General Activity	07.15	12.00	04,75	Upacara Penutupan BK3N	Shift 1
12/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
12/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	13.35	00,58	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	13.35	14.10	00,58		Shift 1
12/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	14.10	14.45	00,58		Shift 1
12/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	14.45	14.50	00,08		Shift 1
12/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	14.50	15.45	00,92	Hauling OB di PIT Makale	Shift 1
12/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	15.45	17.40	01,92		Shift 1
12/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	17.40	18.45	01,08		Shift 1
12/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
12/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
12/02/2024	ATCT74007	745	Standby	Slippery	Ore Getting	19.15	22.00	02,75		Shift 2
12/02/2024	ATCT74007	745	Standby	Rain	Ore Getting	22.00	03.00	05,00		Shift 2
12/02/2024	ATCT74007	745	Standby	Weather Condition	Ore Getting	03.00	04.30	01,50		Shift 2
12/02/2024	ATCT74007	745	Standby	Slippery	Ore Getting	04.30	06.45	02,25		Shift 2
12/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
	CT74001	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
	CT74001	745	Standby	Slippery	Ore Getting	07.15	08.00	00,75		Shift 1
	CT74001	745	Standby	Front Preparation	Overburden Removal	08.00	09.57	01,95		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
13/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	09.57	10.00	00,05	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	10.00	11.00	01,00	Hauling OB di PIT Makale	Shift 1
13/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	11.00	12.00	01,00	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74001	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
13/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	13.00	18.45	05,75	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74001	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
13/02/2024	ATCT74001	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
13/02/2024	ATCT74001	745	Standby	Road Preparation	Overburden Removal	19.15	21.00	01,75		Shift 2
13/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	21.00	23.00	02,00	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74001	745	Standby	Road Preparation	Overburden Removal	23.00	00.00	01,00		Shift 2
13/02/2024	ATCT74001	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
13/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	01.00	01.25	00,42	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74001	745	Working	Quarry	Quarry	01.25	02.30	01,08	Hauling Quarry di IRA	Shift 2
13/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	02.30	03.00	00,50	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74001	745	Working	Quarry	Quarry	03.00	04.00	01,00	Hauling Quarry di IRA	Shift 2
13/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	04.00	06.45	02,75	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74001	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
13/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	07.00	19.00	12,00	AC Panas	Shift 1
13/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	19.00	07.00	12,00	AC Panas	Shift 2
13/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74003	745	Standby	Slippery	Overburden Removal	07.15	08.00	00,75		Shift 1
	CT74003	745	Standby	Front Preparation	Overburden Removal	08.00	09.25	01,42		Shift 1
	CT74003	745	Breakdown	BD Unschedule	Overburden Removal	09.25	09.35	00,17	Add Oli Engine	Shift 1
	CT74003	745	Working	Soil Stripping	Overburden Removal	09.35	10.30	00,92	Hauling Soil di PIT Makale	Shift 1
	CT74003	745	Working	OB Removal	Overburden Removal	10.30	11.30	01,00	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
13/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	11.30	12.00	00,50	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
13/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	13.00	14.50	01,83	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74003	745	Working	General Activity	General Activity	14.50	15.20	00,50	Hauling Material Non Volume Pit Makale	Shift 1
13/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	15.20	18.45	03,42	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
13/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
13/02/2024	ATCT74003	745	Standby	Road Preparation	Overburden Removal	19.15	21.00	01,75		Shift 2
13/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	21.00	23.10	02,17	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74003	745	Standby	Road Preparation	Overburden Removal	23.10	00.00	00,83		Shift 2
13/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
13/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	01.00	02.30	01,50	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74003	745	Working	Quarry	Quarry	02.30	03.00	00,50	Hauling Quarry di IRA	Shift 2
13/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	03.00	06.45	03,75	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
13/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
13/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	07.15	08.00	00,75		Shift 1
13/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	08.00	09.35	01,58		Shift 1
13/02/2024	ATCT74004	745	Working	Soil Stripping	Overburden Removal	09.35	12.00	02,42	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74004	745	Working	Soil Stripping	Overburden Removal	13.00	18.45	05,75	Hauling Soil di PIT Makale	Shift 1
	CT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
	CT74004	745	Standby	Road Preparation	Overburden Removal	19.15	21.00	01,75		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
13/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	21.00	23.00	02,00	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74004	745	Standby	Road Preparation	Overburden Removal	23.00	00.00	01,00		Shift 2
13/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
13/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	01.00	02.45	01,75	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74004	745	Working	Quarry	Quarry	02.45	03.00	00,25	Hauling Quarry di IRA	Shift 2
13/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	03.00	06.45	03,75	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
13/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
13/02/2024	ATCT74005	745	Standby	Slippery	Ore Getting	07.15	08.00	00,75		Shift 1
13/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	08.00	09.57	01,95		Shift 1
13/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	09.57	11.00	01,05	Hauling OB di PIT Makale	Shift 1
13/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	11.00	12.00	01,00	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
13/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	13.00	14.50	01,83	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74005	745	Working	General Activity	General Activity	14.50	15.20	00,50	Hauling Material Non Volume Pit Makale	Shift 1
13/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	15.20	18.45	03,42	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
13/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
13/02/2024	ATCT74005	745	Standby	Road Preparation	Overburden Removal	19.15	21.00	01,75		Shift 2
13/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	21.00	23.10	02,17	Hualing OB di PIT Makale	Shift 2
	CT74005	745	Standby	Road Preparation	Overburden Removal	23.10	00.00	00,83		Shift 2
	CT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74005	745	Working	OB Removal	Overburden Removal	01.00	01.36	00,60	Hualing OB di PIT Makale	Shift 2
	CT74005	745	Working	Quarry	Quarry	01.36	02.40	01,07	Hauling Quarry di IRA	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
13/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	02.40	03.34	00,90	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74005	745	Working	Quarry	Quarry	03.34	04.00	00,43	Hauling Quarry di IRA	Shift 2
13/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	04.00	06.45	02,75	Hualing OB di PIT Makale	Shift 2
13/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
13/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
13/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	07.15	08.00	00,75		Shift 1
13/02/2024	ATCT74007	745	Standby	Front Preparation	Overburden Removal	08.00	09.35	01,58		Shift 1
13/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	09.35	10.30	00,92	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	10.30	11.30	01,00	Hauling OB di PIT Makale	Shift 1
13/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	11.30	12.00	00,50	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74007	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
13/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	13.00	18.45	05,75	Hauling Soil di PIT Makale	Shift 1
13/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
13/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
13/02/2024	ATCT74007	745	Standby	Wait Operator	Ore Getting	19.15	00.00	04,75		Shift 2
13/02/2024	ATCT74007	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
13/02/2024	ATCT74007	745	Standby	Wait Operator	Ore Getting	01.00	06.45	05,75		Shift 2
13/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
14/02/2024	ATCT74001	745	Standby	Holiday & Shutdown	Overburden Removal	07.00	19.00	12,00	PEMILU PRESIDEN 2024	Shift 1
	CT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
	CT74001	745	Standby	Road Preparation	Overburden Removal	19.15	19.50	00,58		Shift 2
	CT74001	745	Working	OB Removal	Overburden Removal	19.50	00.00	04,17	Hauling OB di PIT Makale	Shift 2
	CT74001	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
14/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	01.00	06.45	05,75	Hauling OB di PIT Makale	Shift 2
14/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
14/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	07.00	19.00	12,00	AC Panas	Shift 1
14/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	19.00	07.00	12,00	AC Panas	Shift 2
14/02/2024	ATCT74003	745	Standby	Holiday & Shutdown	Overburden Removal	07.00	19.00	12,00	PEMILU PRESIDEN 2024	Shift 1
14/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
14/02/2024	ATCT74003	745	Standby	Road Preparation	Overburden Removal	19.15	19.53	00,63		Shift 2
14/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	19.53	00.00	04,12	Hauling OB di PIT Makale	Shift 2
14/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
14/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	01.00	06.45	05,75	Hauling OB di PIT Makale	Shift 2
14/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
14/02/2024	ATCT74004	745	Standby	Holiday & Shutdown	Overburden Removal	07.00	19.00	12,00	PEMILU PRESIDEN 2024	Shift 1
14/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
14/02/2024	ATCT74004	745	Standby	Road Preparation	Overburden Removal	19.15	19.50	00,58		Shift 2
14/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.50	00.00	04,17	Hauling OB di PIT Makale	Shift 2
14/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
14/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	01.00	06.45	05,75	Hauling OB di PIT Makale	Shift 2
14/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
14/02/2024	ATCT74005	745	Standby	Holiday & Shutdown	Overburden Removal	07.00	19.00	12,00	PEMILU PRESIDEN 2024	Shift 1
14/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
	CT74005	745	Standby	Road Preparation	Overburden Removal	19.15	19.53	00,63		Shift 2
	CT74005	745	Working	OB Removal	Overburden Removal	19.53	00.00	04,12	Hauling OB di PIT Makale	Shift 2
	CT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74005	745	Working	OB Removal	Overburden Removal	01.00	06.45	05,75	Hauling OB di PIT Makale	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
14/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
14/02/2024	ATCT74007	745	Standby	Holiday & Shutdown	Ore Getting	07.00	19.00	12,00	PEMILU PRESIDEN 2024	Shift 1
14/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
14/02/2024	ATCT74007	745	Standby	Road Preparation	Overburden Removal	19.15	19.50	00,58		Shift 2
14/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	19.50	00.00	04,17	Hauling OB di PIT Makale	Shift 2
14/02/2024	ATCT74007	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
14/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	01.00	06.45	05,75	Hauling OB di PIT Makale	Shift 2
14/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
15/02/2024	ATCT74001	745	Standby	Safety Talk	Overburden Removal	07.00	08.00	01,00	Upacara Penutupan Bulan K3 Nasioanal	Shift 1
15/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	08.00	09.25	01,42		Shift 1
15/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	09.25	11.40	02,25	Hauling SOIL di PIT Makale	Shift 1
15/02/2024	ATCT74001	745	Working	Quarry	Quarry	11.40	12.00	00,33	Hauling Quarry di IRA	Shift 1
15/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
15/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	13.00	14.00	01,00	Hauling SOIL di PIT Makale	Shift 1
15/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	14.00	14.30	00,50	Hauling OB di PIT Makale	Shift 1
15/02/2024	ATCT74001	745	Working	Soil Stripping	Overburden Removal	14.30	18.45	04,25	Hauling SOIL di PIT Makale	Shift 1
15/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
15/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
15/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	19.15	19.23	00,13		Shift 2
	CT74001	745	Working	OB Removal	Overburden Removal	19.23	00.00	04,62	Hauling OB di PIT Makale	Shift 2
	CT74001	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74001	745	Working	OB Removal	Overburden Removal	01.00	03.00	02,00	Hauling OB di PIT Makale	Shift 2
	CT74001	745	Working	Soil Stripping	Overburden Removal	03.00	05.00	02,00	Hauling SOIL di PIT Makale	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
15/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	05.00	06.45	01,75	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
15/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	07.00	19.00	12,00	AC Panas	Shift 1
15/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	19.00	07.00	12,00	AC Panas	Shift 2
15/02/2024	ATCT74003	745	Standby	Safety Talk	Overburden Removal	07.00	08.00	01,00	Upacara Penutupan Bulan K3 Nasioanal	Shift 1
15/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	08.00	09.35	01,58		Shift 1
15/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	09.35	10.12	00,62	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	10.12	10.22	00,17	Hauling SOIL di PIT Makale	Shift 1
15/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	10.22	12.00	01,63	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
15/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	13.00	13.30	00,50	Hauling SOIL di PIT Makale	Shift 1
15/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.30	15.30	02,00	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	15.30	16.30	01,00	Hauling SOIL di PIT Makale	Shift 1
15/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	16.30	18.45	02,25	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
15/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
15/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	19.15	19.23	00,13		Shift 2
15/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	19.23	00.00	04,62	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
15/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	01.00	03.00	02,00	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Working	Soil Stripping	Overburden Removal	03.00	05.00	02,00	Hauling SOIL di PIT Makale	Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	05.00	06.45	01,75	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74004	745	Standby	Safety Talk	Overburden Removal	07.00	08.00	01,00	Upacara Penutupan Bulan K3 Nasioanal	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
15/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	08.00	09.35	01,58		Shift 1
15/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	09.35	10.12	00,62	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74004	745	Working	Soil Stripping	Overburden Removal	10.12	11.40	01,47	Hauling Soil di PIT Makale	Shift 1
15/02/2024	ATCT74004	745	Working	Quarry	Quarry	11.40	12.00	00,33	Hauling Quarry di IRA	Shift 1
15/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
15/02/2024	ATCT74004	745	Working	Soil Stripping	Overburden Removal	13.00	16.00	03,00	Hauling Soil di PIT Makale	Shift 1
15/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	16.00	18.45	02,75	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
15/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
15/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	19.15	19.23	00,13		Shift 2
15/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.23	00.00	04,62	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
15/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	01.00	03.00	02,00	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74004	745	Working	Soil Stripping	Overburden Removal	03.00	05.00	02,00	Hauling SOIL di PIT Makale	Shift 2
15/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	05.00	06.45	01,75	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
15/02/2024	ATCT74005	745	Standby	Safety Talk	Ore Getting	07.00	08.00	01,00	Upacara Penutupan Bulan K3 Nasioanal	Shift 1
15/02/2024	ATCT74005	745	Standby	Rain	Ore Getting	08.00	09.35	01,58		Shift 1
15/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	09.35	10.12	00,62	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	10.12	10.22	00,17	Hauling Soil di PIT Makale	Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	10.22	12.00	01,63	Hualing OB di PIT Makale	Shift 1
	CT74005	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	13.00	13.30	00,50	Hualing OB di PIT Makale	Shift 1
	CT74005	745	Working	Soil Stripping	Overburden Removal	13.30	14.30	01,00	Hauling Soil di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
15/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	14.30	15.30	01,00	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	15.30	16.30	01,00	Hauling Soil di PIT Makale	Shift 1
15/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	16.30	18.45	02,25	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
15/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
15/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	19.15	19.23	00,13		Shift 2
15/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	19.23	00.00	04,62	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74005	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
15/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	01.00	03.00	02,00	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	03.00	06.00	03,00	Hauling SOIL di PIT Makale	Shift 2
15/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	06.00	06.45	00,75	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
15/02/2024	ATCT74007	745	Standby	Safety Talk	Overburden Removal	07.00	08.00	01,00	Upacara Penutupan Bulan K3 Nasioanal	Shift 1
15/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	08.00	09.25	01,42		Shift 1
15/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	09.25	09.35	00,17	Hauling Soil di PIT Makale	Shift 1
15/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	09.35	10.12	00,62	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74007	745	Standby	Survey Measurement	Overburden Removal	10.12	10.22	00,17		Shift 1
15/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	10.22	12.00	01,63	Hualing OB di PIT Makale	Shift 1
15/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
15/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	16.30	03,50	Hualing OB di PIT Makale	Shift 1
	CT74007	745	Working	Quarry	Quarry	16.30	17.00	00,50	Hauling Quarry di IRA	Shift 1
	CT74007	745	Working	OB Removal	Overburden Removal	17.00	18.45	01,75	Hualing OB di PIT Makale	Shift 1
	CT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74007	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
15/02/2024	ATCT74007	745	Standby	Front Preparation	Overburden Removal	19.15	19.23	00,13		Shift 2
15/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	19.23	00.00	04,62	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
15/02/2024	ATCT74007	745	Standby	Wait Operator	Overburden Removal	01.00	02.00	01,00	Driver Tidak Terpantau	Shift 2
15/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	02.00	03.00	01,00	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	03.00	06.00	03,00	Hauling SOIL di PIT Makale	Shift 2
15/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	06.00	06.45	00,75	Hauling OB di PIT Makale	Shift 2
15/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
16/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
16/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	07.15	07.30	00,25	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74001	745	Working	Quarry	Quarry	07.30	11.00	03,50	Hauling Quarry di IRA	Shift 1
16/02/2024	ATCT74001	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
16/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
16/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	13.00	16.00	03,00	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	16.00	17.00	01,00		Shift 1
16/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	17.00	18.45	01,75	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
16/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
16/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	19.15	19.45	00,50		Shift 2
	CT74001	745	Working	OB Removal	Overburden Removal	19.45	00.00	04,25	Hauling OB di PIT Makale	Shift 2
	CT74001	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74001	745	Standby	Wait Operator	Overburden Removal	01.00	02.00	01,00	fatigue	Shift 2
	CT74001	745	Working	OB Removal	Overburden Removal	02.00	03.00	01,00	Hauling OB di PIT Makale	Shift 2
	CT74001	745	Standby	Fog	Overburden Removal	03.00	04.05	01,08		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
16/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	04.05	06.45	02,67	Hauling OB di PIT Makale	Shift 2
16/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
16/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	07.00	19.00	12,00	AC Panas	Shift 1
16/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	19.00	07.00	12,00	AC Panas	Shift 2
16/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
16/02/2024	ATCT74003	745	Standby	Wait Instruction	Overburden Removal	07.15	07.30	00,25		Shift 1
16/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	07.30	10.00	02,50	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74003	745	Working	Soil Stripping	Overburden Removal	10.00	10.20	00,33	Hauling Soil di PIT Makale	Shift 1
16/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	10.20	11.00	00,67	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74003	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
16/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
16/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.00	17.00	04,00	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	17.00	18.00	01,00		Shift 1
16/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	18.00	18.45	00,75	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
16/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
16/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	19.15	19.45	00,50		Shift 2
16/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	19.45	00.00	04,25	Hauling OB di PIT Makale	Shift 2
16/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
16/02/2024	ATCT74003	745	Standby	Wait Operator	Overburden Removal	01.00	02.00	01,00	fatigue	Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	02.00	03.00	01,00	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Standby	Fog	Overburden Removal	03.00	04.05	01,08		Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	04.05	06.45	02,67	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
16/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	07.15	11.00	03,75	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74004	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
16/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
16/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	16.00	03,00	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	16.00	17.00	01,00		Shift 1
16/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	17.00	18.45	01,75	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
16/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
16/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	19.15	19.45	00,50		Shift 2
16/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.45	00.00	04,25	Hauling OB di PIT Makale	Shift 2
16/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
16/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	01.00	02.00	01,00	Hauling OB di PIT Makale	Shift 2
16/02/2024	ATCT74004	745	Working	Quarry	Quarry	02.00	03.00	01,00	Hauling Quarry di IRA	Shift 2
16/02/2024	ATCT74004	745	Standby	Fog	Overburden Removal	03.00	04.05	01,08		Shift 2
16/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	04.05	06.45	02,67	Hauling OB di PIT Makale	Shift 2
16/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
16/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
16/02/2024	ATCT74005	745	Standby	Wait Instruction	Overburden Removal	07.15	07.30	00,25		Shift 1
16/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	07.30	11.00	03,50	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74005	745	Standby	Praying - Friday	Ore Getting	11.00	12.00	01,00		Shift 1
	CT74005	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	13.00	17.00	04,00	Hauling OB di PIT Makale	Shift 1
	CT74005	745	Standby	Rain	Overburden Removal	17.00	18.00	01,00		Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	18.00	18.45	00,75	Hauling OB di PIT Makale	Shift 1
	CT74005	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
16/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
16/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	19.15	19.45	00,50		Shift 2
16/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	19.45	20.20	00,58	Hauling OB di PIT Makale	Shift 2
16/02/2024	ATCT74005	745	Standby	Road Preparation	Overburden Removal	20.20	21.00	00,67		Shift 2
16/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	21.00	00.00	03,00	Hauling OB di PIT Makale	Shift 2
16/02/2024	ATCT74005	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
16/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	01.00	03.00	02,00	Hauling OB di PIT Makale	Shift 2
16/02/2024	ATCT74005	745	Standby	Fog	Overburden Removal	03.00	04.05	01,08		Shift 2
16/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	04.05	06.45	02,67	Hauling OB di PIT Makale	Shift 2
16/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
16/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
16/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	07.15	11.00	03,75	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74007	745	Standby	Praying - Friday	Overburden Removal	11.00	12.00	01,00		Shift 1
16/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
16/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	16.00	03,00	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	16.00	17.00	01,00		Shift 1
16/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	17.00	18.45	01,75	Hauling OB di PIT Makale	Shift 1
16/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
16/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
16/02/2024	ATCT74007	745	Standby	Front Preparation	Overburden Removal	19.15	19.45	00,50		Shift 2
	CT74007	745	Working	OB Removal	Overburden Removal	19.45	00.00	04,25	Hauling OB di PIT Makale	Shift 2
	CT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74007	745	Working	OB Removal	Overburden Removal	01.00	03.00	02,00	Hauling OB di PIT Makale	Shift 2
	CT74007	745	Standby	Fog	Overburden Removal	03.00	04.05	01,08		Shift 2
	CT74007	745	Working	OB Removal	Overburden Removal	04.05	06.45	02,67	Hauling OB di PIT Makale	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
16/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
17/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
17/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	07.15	11.00	03,75	Hauling OB di PIT Makale	Shift 1
17/02/2024	ATCT74001	745	Standby	Refueling	Overburden Removal	11.00	12.00	01,00		Shift 1
17/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
17/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	13.00	13.40	00,67		Shift 1
17/02/2024	ATCT74001	745	Standby	Slippery	Overburden Removal	13.40	14.00	00,33		Shift 1
17/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	14.00	18.45	04,75	Hauling OB di PIT Makale	Shift 1
17/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
17/02/2024	ATCT74001	745	Breakdown	BD Unschedule	Overburden Removal	19.00	21.00	02,00	Selang grease lepas	Shift 2
17/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	21.00	00.00	03,00	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
17/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	01.00	06.45	05,75	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
17/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	07.00	19.00	12,00	AC Panas	Shift 1
17/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	19.00	07.00	12,00	AC Panas	Shift 2
17/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
17/02/2024	ATCT74003	745	Standby	Wait Stock Material	Ore Getting	07.15	08.00	00,75		Shift 1
17/02/2024	ATCT74003	745	Working	Quarry	Quarry	08.00	10.00	02,00	Hauling Quarry di IRA	Shift 1
	CT74003	745	Working	OB Removal	Overburden Removal	10.00	12.00	02,00	Hauling OB di PIT Makale	Shift 1
	CT74003	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
	CT74003	745	Standby	Rain	Overburden Removal	13.00	13.40	00,67		Shift 1
	CT74003	745	Standby	Slippery	Overburden Removal	13.40	14.00	00,33		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
17/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	14.00	18.45	04,75	Hauling OB di PIT Makale	Shift 1
17/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
17/02/2024	ATCT74003	745	Breakdown	BD Unschedule	Ore Getting	19.00	21.00	02,00	ada rembesan oli di truck box	Shift 2
17/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	21.00	00.00	03,00	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74003	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
17/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	01.00	06.45	05,75	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
17/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
17/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	07.15	12.00	04,75	Hauling OB di PIT Makale	Shift 1
17/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
17/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	13.00	13.40	00,67		Shift 1
17/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	13.40	14.00	00,33		Shift 1
17/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	14.00	18.45	04,75	Hauling OB di PIT Makale	Shift 1
17/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
17/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
17/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.15	00.00	04,75	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
17/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	01.00	06.45	05,75	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
17/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	07.15	11.00	03,75	Hauling OB di PIT Makale	Shift 1
	CT74005	745	Standby	Refueling	Overburden Removal	11.00	12.00	01,00		Shift 1
	CT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74005	745	Standby	Rain	Overburden Removal	13.00	13.40	00,67		Shift 1
	CT74005	745	Standby	Slippery	Overburden Removal	13.40	14.00	00,33		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
17/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	14.00	18.45	04,75	Hauling OB di PIT Makale	Shift 1
17/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
17/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
17/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	19.15	00.00	04,75	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
17/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	01.00	04.00	03,00	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74005	745	Working	Soil Stripping	Overburden Removal	04.00	06.45	02,75	Hauling Soil di PIT Makale	Shift 2
17/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
17/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
17/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	07.15	12.00	04,75	Hauling OB di PIT Makale	Shift 1
17/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
17/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	13.00	13.40	00,67		Shift 1
17/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	13.40	14.00	00,33		Shift 1
17/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	14.00	18.45	04,75	Hauling OB di PIT Makale	Shift 1
17/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
17/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
17/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	19.15	00.00	04,75	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
17/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	01.00	04.00	03,00	Hauling OB di PIT Makale	Shift 2
17/02/2024	ATCT74007	745	Working	Soil Stripping	Overburden Removal	04.00	06.45	02,75	Hauling Soil di PIT Makale	Shift 2
	CT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74001	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74001	745	Standby	Front Preparation	Overburden Removal	07.15	07.24	00,15		Shift 1
	CT74001	745	Working	OB Removal	Overburden Removal	07.24	12.00	04,60	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
18/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
18/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
18/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
18/02/2024	ATCT74001	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
18/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	19.15	19.25	00,17		Shift 2
18/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	19.25	21.45	02,33	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	21.45	22.00	00,25		Shift 2
18/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	22.00	00.00	02,00	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74001	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
18/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	01.00	02.15	01,25		Shift 2
18/02/2024	ATCT74001	745	Standby	Weather Condition	Overburden Removal	02.15	02.30	00,25		Shift 2
18/02/2024	ATCT74001	745	Standby	Slippery	Overburden Removal	02.30	03.05	00,58		Shift 2
18/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	03.05	04.20	01,25	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74001	745	Working	Quarry	Quarry	04.20	06.45	02,42	Hauling Quarry di IRA	Shift 2
18/02/2024	ATCT74001	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
18/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Ore Getting	07.00	09.00	02,00	AC Panas	Shift 1
18/02/2024	ATCT74002	745	Working	Quarry	Quarry	09.00	11.00	02,00	Hauling Quarry di IRA	Shift 1
18/02/2024	ATCT74002	745	Standby	Wait Stock Material	Ore Getting	11.00	12.00	01,00		Shift 1
18/02/2024	ATCT74002	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
18/02/2024	ATCT74002	745	Working	Quarry	Quarry	13.00	18.00	05,00	Hauling Quarry di IRA	Shift 1
	CT74002	745	Standby	Wait Stock Material	Ore Getting	18.00	18.45	00,75		Shift 1
	CT74002	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
	CT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
	CT74002	745	Standby	Front Preparation	Overburden Removal	19.15	19.29	00,23		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
18/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	19.29	21.45	02,27	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	21.45	22.00	00,25		Shift 2
18/02/2024	ATCT74002	745	Standby	Wait Stock Material	Overburden Removal	22.00	22.10	00,17	OB masih di Lansir	Shift 2
18/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	22.10	00.00	01,83	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
18/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	01.00	02.15	01,25		Shift 2
18/02/2024	ATCT74002	745	Standby	Weather Condition	Overburden Removal	02.15	02.30	00,25		Shift 2
18/02/2024	ATCT74002	745	Standby	Slippery	Overburden Removal	02.30	03.05	00,58		Shift 2
18/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	03.05	06.45	03,67	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
18/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
18/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	07.15	07.24	00,15		Shift 1
18/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	07.24	12.00	04,60	Hauling OB di PIT Makale	Shift 1
18/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
18/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.00	18.00	05,00	Hauling OB di PIT Makale	Shift 1
18/02/2024	ATCT74003	745	Standby	Wait Stock Material	Overburden Removal	18.00	18.45	00,75		Shift 1
18/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
18/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
18/02/2024	ATCT74003	745	Standby	Wait Operator	Overburden Removal	19.15	21.00	01,75		Shift 2
18/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	21.00	21.45	00,75	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Standby	Rain	Overburden Removal	21.45	22.00	00,25		Shift 2
	CT74003	745	Standby	Wait Stock Material	Overburden Removal	22.00	22.10	00,17	OB masih di Lansir	Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	22.10	00.00	01,83	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
18/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	01.00	02.15	01,25		Shift 2
18/02/2024	ATCT74003	745	Standby	Weather Condition	Overburden Removal	02.15	02.30	00,25		Shift 2
18/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	02.30	03.05	00,58		Shift 2
18/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	03.05	06.45	03,67	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
18/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
18/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	07.15	07.24	00,15		Shift 1
18/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	07.24	12.00	04,60	Hauling OB di PIT Makale	Shift 1
18/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
18/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
18/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
18/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
18/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	19.15	19.29	00,23		Shift 2
18/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.29	21.45	02,27	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	21.45	22.00	00,25		Shift 2
18/02/2024	ATCT74004	745	Standby	Wait Stock Material	Overburden Removal	22.00	22.10	00,17	OB masih di Lansir	Shift 2
18/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	22.10	00.00	01,83	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
18/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	01.00	02.15	01,25		Shift 2
18/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	02.15	02.30	00,25		Shift 2
	CT74004	745	Standby	Slippery	Overburden Removal	02.30	03.05	00,58		Shift 2
	CT74004	745	Working	OB Removal	Overburden Removal	03.05	04.40	01,58	Hauling OB di PIT Makale	Shift 2
	CT74004	745	Working	Quarry	Quarry	04.40	05.10	00,50	Hauling Quarry di IRA	Shift 2
	CT74004	745	Working	OB Removal	Overburden Removal	05.10	06.45	01,58	Hauling OB di PIT Makale	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
18/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
18/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
18/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	07.15	07.24	00,15		Shift 1
18/02/2024	ATCT74005	745	Working	Quarry	Quarry	07.24	07.40	00,27	Hauling Quarry di IRA	Shift 1
18/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	07.40	08.40	01,00	Hauling OB di PIT Makale	Shift 1
18/02/2024	ATCT74005	745	Working	Quarry	Quarry	08.40	09.20	00,67	Hauling Quarry di IRA	Shift 1
18/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	09.20	11.40	02,33	Hauling OB di PIT Makale	Shift 1
18/02/2024	ATCT74005	745	Working	Quarry	Quarry	11.40	12.00	00,33	Hauling Quarry di IRA	Shift 1
18/02/2024	ATCT74005	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
18/02/2024	ATCT74005	745	Working	Quarry	Quarry	13.00	18.45	05,75	Hauling Quarry di IRA	Shift 1
18/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
18/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
18/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	19.15	19.25	00,17		Shift 2
18/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	19.25	21.45	02,33	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	21.45	22.00	00,25		Shift 2
18/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	22.00	00.00	02,00	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74005	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
18/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	01.00	02.15	01,25		Shift 2
18/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	02.15	02.30	00,25		Shift 2
18/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	02.30	03.05	00,58		Shift 2
	CT74005	745	Working	OB Removal	Overburden Removal	03.05	06.45	03,67	Hauling OB di PIT Makale	Shift 2
	CT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
	CT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74007	745	Standby	Front Preparation	Overburden Removal	07.15	07.24	00,15		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
18/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	07.24	12.00	04,60	Hauling OB di PIT Makale	Shift 1
18/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
18/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
18/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
18/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
18/02/2024	ATCT74007	745	Working	Quarry	Quarry	19.15	20.00	00,75	Hauling Quarry di IRA	Shift 2
18/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	20.00	21.45	01,75	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	21.45	22.00	00,25		Shift 2
18/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	22.00	00.00	02,00	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
18/02/2024	ATCT74007	745	Working	Quarry	Quarry	01.00	01.15	00,25	Hauling Quarry di IRA	Shift 2
18/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	01.15	02.15	01,00		Shift 2
18/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	02.15	02.30	00,25		Shift 2
18/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	02.30	03.05	00,58		Shift 2
18/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	03.05	04.00	00,92	Hauling OB di PIT Makale	Shift 2
18/02/2024	ATCT74007	745	Working	Quarry	Quarry	04.00	06.45	02,75	Hauling Quarry di IRA	Shift 2
18/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
19/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
19/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	07.15	07.30	00,25		Shift 1
	CT74001	745	Working	OB Removal	Overburden Removal	07.30	12.00	04,50	Hauling OB di PIT Makale	Shift 1
	CT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74001	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
	CT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
19/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
19/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	19.15	20.40	01,42	Hauling OB di PIT Makale	Shift 2
19/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	20.40	00.00	03,33	Hauling Ore di PIT Makale - ETO IRF	Shift 2
19/02/2024	ATCT74001	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
19/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	01.00	02.00	01,00	Hauling Ore di PIT Makale - ETO IRF	Shift 2
19/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	02.00	06.15	04,25	Hauling Ore di PIT Makale - ETO IRF	Shift 2
19/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	06.15	06.45	00,50	Hauling OB di PIT Makale	Shift 2
19/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
19/02/2024	ATCT74002	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
19/02/2024	ATCT74002	745	Standby	Wait Stock Material	Quarry	07.15	08.00	00,75		Shift 1
19/02/2024	ATCT74002	745	Working	Quarry	Quarry	08.00	11.00	03,00	Hauling Quarry di IRA	Shift 1
19/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Quarry	11.00	14.00	03,00	Problem AC	Shift 1
19/02/2024	ATCT74002	745	Working	Quarry	Quarry	14.00	18.00	04,00	Hauling Quarry di IRA	Shift 1
19/02/2024	ATCT74002	745	Standby	Wait Stock Material	Quarry	18.00	18.45	00,75		Shift 1
19/02/2024	ATCT74002	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
19/02/2024	ATCT74002	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
19/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	19.15	20.40	01,42	Hauling OB di PIT Makale	Shift 2
19/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	20.40	00.00	03,33	Hauling Ore di PIT Makale - ETO IRF	Shift 2
19/02/2024	ATCT74002	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
19/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	01.00	02.00	01,00	Hauling Ore di PIT Makale - ETO IRF	Shift 2
	CT74002	745	Working	OB Removal	Overburden Removal	02.00	05.30	03,50	Hauling OB di PIT Makale	Shift 2
	CT74002	745	Working	Ore Getting	Ore Getting	05.30	06.15	00,75	Hauling Ore di PIT Makale - ETO IRF	Shift 2
	CT74002	745	Working	OB Removal	Overburden Removal	06.15	06.45	00,50	Hauling OB di PIT Makale	Shift 2
	CT74002	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
19/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
19/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	07.15	07.30	00,25		Shift 1
19/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	07.30	12.00	04,50	Hauling OB di PIT Makale	Shift 1
19/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
19/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
19/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
19/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
19/02/2024	ATCT74003	745	Standby	Wait Operator	Ore Getting	19.15	00.00	04,75		Shift 2
19/02/2024	ATCT74003	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
19/02/2024	ATCT74003	745	Standby	Wait Operator	Ore Getting	01.00	06.45	05,75		Shift 2
19/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
19/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
19/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	07.15	07.58	00,72		Shift 1
19/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	07.58	08.30	00,53	Hauling OB di PIT Makale	Shift 1
19/02/2024	ATCT74004	745	Working	Quarry	Quarry	08.30	08.48	00,30	Hauling Quarry IRA	Shift 1
19/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	08.48	12.00	03,20	Hauling OB di PIT Makale	Shift 1
19/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
19/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
19/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
19/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
	CT74004	745	Working	OB Removal	Overburden Removal	19.15	20.40	01,42	Hauling OB di PIT Makale	Shift 2
	CT74004	745	Working	Ore Getting	Ore Getting	20.40	00.00	03,33	Hauling Ore di PIT Makale - ETO IRF	Shift 2
	CT74004	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
	CT74004	745	Working	Quarry	Quarry	01.00	01.50	00,83	Hauling Quarry di IRA	Shift 2
	CT74004	745	Working	Ore Getting	Ore Getting	01.50	02.00	00,17	Hauling Ore di PIT Makale - ETO IRF	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
19/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	02.00	05.30	03,50	Hauling OB di PIT Makale	Shift 2
19/02/2024	ATCT74004	745	Working	Ore Getting	Ore Getting	05.30	06.15	00,75	Hauling Ore di PIT Makale - ETO IRF	Shift 2
19/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	06.15	06.45	00,50	Hauling OB di PIT Makale	Shift 2
19/02/2024	ATCT74004	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
19/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
19/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	07.15	08.47	01,53		Shift 1
19/02/2024	ATCT74005	745	Breakdown	BD Schedule	Overburden Removal	08.47	13.24	04,62	Service PS2	Shift 1
19/02/2024	ATCT74005	745	Standby	Wait Operator	Overburden Removal	13.24	14.00	00,60		Shift 1
19/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	14.00	18.45	04,75	Hauling OB di PIT Makale	Shift 1
19/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
19/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
19/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	19.15	00.00	04,75	Hauling OB di PIT Makale	Shift 2
19/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
19/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	01.00	06.45	05,75	Hauling OB di PIT Makale	Shift 2
19/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
19/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
19/02/2024	ATCT74007	745	Standby	Front Preparation	Overburden Removal	07.15	07.30	00,25		Shift 1
19/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	07.30	12.00	04,50	Hauling OB di PIT Makale	Shift 1
19/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
19/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
	CT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74007	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
	CT74007	745	Standby	Wait Operator	Overburden Removal	19.15	19.19	00,07		Shift 2
	CT74007	745	Working	Quarry	Quarry	19.19	20.00	00,68	Hauling Quarry di IRA	Shift 2
	CT74007	745	Working	OB Removal	Overburden Removal	20.00	00.00	04,00	Hauling OB di PIT Makale	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
19/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
19/02/2024	ATCT74007	745	Working	Quarry	Quarry	01.00	01.50	00,83	Hauling Quarry di IRA	Shift 2
19/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	01.50	06.45	04,92	Hauling OB di PIT Makale	Shift 2
19/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
20/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
20/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	07.15	12.00	04,75	Hauling OB di PIT Makale	Shift 1
20/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
20/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
20/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
20/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
20/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	19.15	19.30	00,25		Shift 2
20/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	19.30	20.05	00,58	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	20.05	20.45	00,67	Hauling Ore di PIT Makale - ETO IRF	Shift 2
20/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	20.45	22.00	01,25	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	22.00	22.55	00,92	Hauling Ore di PIT Makale - ETO IRF	Shift 2
20/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	22.55	00.00	01,08	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
20/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	01.00	02.05	01,08	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	02.05	07.00	04,92		Shift 2
	CT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74002	745	Standby	Road Preparation	Overburden Removal	07.15	08.00	00,75		Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	08.00	12.00	04,00	Hauling OB di PIT Makale	Shift 1
	CT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
20/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
20/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
20/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	19.15	19.30	00,25		Shift 2
20/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	19.30	20.10	00,67	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74002	745	Working	Quarry	Quarry	20.10	20.45	00,58	Hauling Quarry di IRA	Shift 2
20/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	20.45	22.30	01,75	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74002	745	Working	Quarry	Quarry	22.30	23.00	00,50	Hauling Quarry di IRA	Shift 2
20/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	23.00	00.00	01,00	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74002	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
20/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	01.00	02.05	01,08	Hauling Ore di PIT Makale - ETO IRF	Shift 2
20/02/2024	ATCT74002	745	Standby	Rain	Ore Getting	02.05	07.00	04,92		Shift 2
20/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
20/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	07.15	12.00	04,75	Hauling OB di PIT Makale	Shift 1
20/02/2024	ATCT74003	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
20/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
20/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
20/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
20/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	19.15	19.30	00,25		Shift 2
20/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	19.30	20.05	00,58	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	20.05	20.45	00,67	Hauling Ore di PIT Makale - ETO IRF	Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	20.45	22.00	01,25	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Working	Ore Getting	Ore Getting	22.00	22.55	00,92	Hauling Ore di PIT Makale - ETO IRF	Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	22.55	00.00	01,08	Hauling OB di PIT Makale	Shift 2
	CT74003	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
	CT74003	745	Working	OB Removal	Overburden Removal	01.00	02.05	01,08	Hauling OB di PIT Makale	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
20/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	02.05	07.00	04,92		Shift 2
20/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
20/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	07.15	12.00	04,75	Hauling OB di PIT Makale	Shift 1
20/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
20/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
20/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
20/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
20/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	19.15	19.30	00,25		Shift 2
20/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.30	20.10	00,67	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74004	745	Working	Quarry	Quarry	20.10	20.45	00,58	Hauling Quarry di IRA	Shift 2
20/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	20.45	22.30	01,75	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74004	745	Working	Quarry	Quarry	22.30	23.00	00,50	Hauling Quarry di IRA	Shift 2
20/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	23.00	00.00	01,00	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74004	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
20/02/2024	ATCT74004	745	Working	Ore Getting	Ore Getting	01.00	02.05	01,08	Hauling Ore di PIT Makale - ETO IRF	Shift 2
20/02/2024	ATCT74004	745	Standby	Rain	Ore Getting	02.05	07.00	04,92		Shift 2
20/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
20/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	07.15	12.00	04,75	Hauling OB di PIT Makale	Shift 1
20/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
20/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
	CT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74005	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
	CT74005	745	Standby	Front Preparation	Overburden Removal	19.15	19.30	00,25		Shift 2
	CT74005	745	Working	OB Removal	Overburden Removal	19.30	20.05	00,58	Hauling OB di PIT Makale	Shift 2
	CT74005	745	Working	Ore Getting	Ore Getting	20.05	20.45	00,67	Hauling Ore di PIT Makale - ETO IRF	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
20/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	20.45	22.00	01,25	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	22.00	22.55	00,92	Hauling Ore di PIT Makale - ETO IRF	Shift 2
20/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	22.55	00.00	01,08	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
20/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	01.00	02.05	01,08	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	02.05	07.00	04,92		Shift 2
20/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
20/02/2024	ATCT74007	745	Standby	Wait Stock Material	Ore Getting	07.15	12.00	04,75		Shift 1
20/02/2024	ATCT74007	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
20/02/2024	ATCT74007	745	Working	Quarry	Quarry	13.00	18.45	05,75	Hauling Quarry di IRA	Shift 1
20/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
20/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
20/02/2024	ATCT74007	745	Standby	Front Preparation	Overburden Removal	19.15	19.30	00,25		Shift 2
20/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	19.30	20.05	00,58	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74007	745	Working	Ore Getting	Ore Getting	20.05	20.45	00,67	Hauling Ore di PIT Makale - ETO IRF	Shift 2
20/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	20.45	22.00	01,25	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74007	745	Working	Ore Getting	Ore Getting	22.00	22.55	00,92	Hauling Ore di PIT Makale - ETO IRF	Shift 2
20/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	22.55	00.00	01,08	Hauling OB di PIT Makale	Shift 2
20/02/2024	ATCT74007	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
20/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	01.00	02.05	01,08	Hauling OB di PIT Makale	Shift 2
	CT74007	745	Standby	Rain	Overburden Removal	02.05	07.00	04,92		Shift 2
	CT74001	745	Standby	Rain	Overburden Removal	07.00	07.30	00,50		Shift 1
	CT74001	745	Standby	Weather Condition	Overburden Removal	07.30	08.00	00,50		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
21/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	08.00	08.35	00,58		Shift 1
21/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	08.35	09.55	01,33	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74001	745	Working	Quarry	Quarry	09.55	11.00	01,08	Hauling Quarry di IRA	Shift 1
21/02/2024	ATCT74001	745	Standby	Wait Stock Material	Quarry	11.00	12.00	01,00		Shift 1
21/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
21/02/2024	ATCT74001	745	Working	Quarry	Quarry	13.00	16.00	03,00	Hauling Quarry di IRA	Shift 1
21/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	16.00	16.30	00,50	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74001	745	Working	Quarry	Quarry	16.30	18.45	02,25	Hauling Quarry di IRA	Shift 1
21/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
21/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
21/02/2024	ATCT74001	745	Standby	No / Wait Support	Overburden Removal	19.15	19.30	00,25	TLDS Cant't Start	Shift 2
21/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	19.30	22.30	03,00	Hauling OB di PIT Makale	Shift 2
21/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	22.30	06.12	07,70		Shift 2
21/02/2024	ATCT74001	745	Standby	Slippery	Overburden Removal	06.12	06.45	00,55		Shift 2
21/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
21/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	07.00	07.30	00,50		Shift 1
21/02/2024	ATCT74002	745	Standby	Weather Condition	Overburden Removal	07.30	08.00	00,50		Shift 1
21/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	08.00	08.35	00,58		Shift 1
21/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	08.35	12.00	03,42	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
	CT74002	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
	CT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
	CT74002	745	Standby	No / Wait Support	Overburden Removal	19.15	19.30	00,25	TLDS Cant't Start	Shift 2



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
21/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	19.30	22.30	03,00	Hauling OB di PIT Makale	Shift 2
21/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	22.30	06.12	07,70		Shift 2
21/02/2024	ATCT74002	745	Standby	Slippery	Overburden Removal	06.12	06.45	00,55		Shift 2
21/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
21/02/2024	ATCT74003	745	Standby	Rain	Ore Getting	07.00	07.30	00,50		Shift 1
21/02/2024	ATCT74003	745	Standby	Weather Condition	Ore Getting	07.30	08.00	00,50		Shift 1
21/02/2024	ATCT74003	745	Standby	Slippery	Ore Getting	08.00	08.20	00,33		Shift 1
21/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	08.20	09.00	00,67	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	09.00	12.00	03,00	Hauling ORE di PIT Makale - ETO IRF	Shift 1
21/02/2024	ATCT74003	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
21/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	13.00	14.00	01,00	Hauling ORE di PIT Makale - ETO IRF	Shift 1
21/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	14.00	18.45	04,75	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
21/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
21/02/2024	ATCT74003	745	Standby	Wait Loader (UA)	Quarry	19.15	19.40	00,42		Shift 2
21/02/2024	ATCT74003	745	Standby	Wait Stock Material	Ore Getting	19.40	20.00	00,33		Shift 2
21/02/2024	ATCT74003	745	Working	Quarry	Quarry	20.00	21.00	01,00	Hauling Quarry di IRA	Shift 2
21/02/2024	ATCT74003	745	Standby	Wait Stock Material	Ore Getting	21.00	22.00	01,00		Shift 2
21/02/2024	ATCT74003	745	Working	Quarry	Quarry	22.00	22.30	00,50	Hauling Quarry di IRA	Shift 2
	CT74003	745	Standby	Rain	Quarry	22.30	06.12	07,70		Shift 2
	CT74003	745	Standby	Slippery	Quarry	06.12	06.45	00,55		Shift 2
	CT74003	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
	CT74004	745	Standby	Rain	Overburden Removal	07.00	07.30	00,50		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
21/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	07.30	08.00	00,50		Shift 1
21/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	08.00	08.20	00,33		Shift 1
21/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	08.20	12.00	03,67	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
21/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	16.00	03,00	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74004	745	Working	Quarry	Quarry	16.00	18.45	02,75	Hauling Quarry di IRA	Shift 1
21/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
21/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
21/02/2024	ATCT74004	745	Standby	No / Wait Support	Overburden Removal	19.15	19.30	00,25	TLDS Cant't Start	Shift 2
21/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.30	22.30	03,00	Hauling OB di PIT Makale	Shift 2
21/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	22.30	06.12	07,70		Shift 2
21/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	06.12	06.45	00,55		Shift 2
21/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
21/02/2024	ATCT74005	745	Standby	Rain	Ore Getting	07.00	07.30	00,50		Shift 1
21/02/2024	ATCT74005	745	Standby	Weather Condition	Ore Getting	07.30	08.00	00,50		Shift 1
21/02/2024	ATCT74005	745	Standby	Slippery	Ore Getting	08.00	08.20	00,33		Shift 1
21/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	08.20	09.00	00,67	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	09.00	10.00	01,00	Hauling ORE di PIT Makale - ETO IRF	Shift 1
21/02/2024	ATCT74005	745	Working	Quarry	Quarry	10.00	11.00	01,00	Hauling Quarry di IRA	Shift 1
21/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	11.00	12.00	01,00	Hauling ORE di PIT Makale - ETO IRF	Shift 1
	CT74005	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
	CT74005	745	Working	Ore Getting	Ore Getting	13.00	14.00	01,00	Hauling ORE di PIT Makale - ETO IRF	Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	14.00	18.45	04,75	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
21/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
21/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
21/02/2024	ATCT74005	745	Standby	No / Wait Support	Overburden Removal	19.15	19.30	00,25	TLDS Cant't Start	Shift 2
21/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	19.30	22.30	03,00	Hauling OB di PIT Makale	Shift 2
21/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	22.30	06.12	07,70		Shift 2
21/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	06.12	06.45	00,55		Shift 2
21/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
21/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	07.00	07.30	00,50		Shift 1
21/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	07.30	08.00	00,50		Shift 1
21/02/2024	ATCT74007	745	Standby	Front Preparation	Overburden Removal	08.00	08.35	00,58		Shift 1
21/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	08.35	12.00	03,42	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
21/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	13.00	18.45	05,75	Hauling OB di PIT Makale	Shift 1
21/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
21/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
21/02/2024	ATCT74007	745	Standby	No / Wait Support	Overburden Removal	19.15	19.30	00,25	TLDS Cant't Start	Shift 2
21/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	19.30	22.30	03,00	Hauling OB di PIT Makale	Shift 2
21/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	22.30	06.12	07,70		Shift 2
21/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	06.12	06.45	00,55		Shift 2
21/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74001	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
	CT74001	745	Standby	Wait Stock Material	Ore Getting	07.15	09.00	01,75		Shift 1
	CT74001	745	Working	Quarry	Quarry	09.00	10.00	01,00	Hauling Quarry di IRA	Shift 1

Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
22/02/2024	ATCT74001	745	Standby	Wait Stock Material	Ore Getting	10.00	10.55	00,92		Shift 1
22/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	10.55	11.00	00,08	Hauling Ore di PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74001	745	Standby	Rain	Ore Getting	11.00	11.19	00,32		Shift 1
22/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	11.19	12.00	00,68	Hauling Ore di PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
22/02/2024	ATCT74001	745	Working	Ore Getting	Ore Getting	13.00	14.00	01,00	Hauling Ore di PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	14.00	16.01	02,02	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74001	745	Standby	Rain	Ore Getting	16.01	16.43	00,70		Shift 1
22/02/2024	ATCT74001	745	Standby	Weather Condition	Overburden Removal	16.43	16.55	00,20		Shift 1
22/02/2024	ATCT74001	745	Standby	Slippery	Overburden Removal	16.55	17.13	00,30		Shift 1
22/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	17.13	18.45	01,53	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
22/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
22/02/2024	ATCT74001	745	Standby	Front Preparation	Overburden Removal	19.15	19.17	00,03		Shift 2
22/02/2024	ATCT74001	745	Working	OB Removal	Overburden Removal	19.17	00.00	04,72	Hauling OB di PIT Makale	Shift 2
22/02/2024	ATCT74001	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
22/02/2024	ATCT74001	745	Standby	Rain	Overburden Removal	01.00	02.02	01,03		Shift 2
22/02/2024	ATCT74001	745	Standby	Weather Condition	Overburden Removal	02.02	03.09	01,12		Shift 2
22/02/2024	ATCT74001	745	Standby	Slippery	Overburden Removal	03.09	06.45	03,60		Shift 2
22/02/2024	ATCT74001	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74002	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74002	745	Standby	Wait Stock Material	Overburden Removal	07.15	08.50	01,58		Shift 1
	CT74002	745	Working	OB Removal	Overburden Removal	08.50	09.25	00,58	Hauling OB di PIT Makale	Shift 1
	CT74002	745	Working	Quarry	Quarry	09.25	10.00	00,58	Hauling Quarry di IRA	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
22/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	10.00	11.00	01,00	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	11.00	11.19	00,32		Shift 1
22/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	11.19	11.30	00,18	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	11.30	12.00	00,50	Hauling Ore PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
22/02/2024	ATCT74002	745	Working	Ore Getting	Ore Getting	13.00	14.30	01,50	Hauling Ore PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	14.30	15.40	01,17	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74002	745	Breakdown	BD Unschedule	Overburden Removal	15.40	16.40	01,00	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	16.40	16.43	00,05		Shift 1
22/02/2024	ATCT74002	745	Standby	Weather Condition	Overburden Removal	16.43	16.55	00,20		Shift 1
22/02/2024	ATCT74002	745	Standby	Slippery	Overburden Removal	16.55	17.13	00,30		Shift 1
22/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	17.13	18.45	01,53	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
22/02/2024	ATCT74002	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
22/02/2024	ATCT74002	745	Standby	Front Preparation	Overburden Removal	19.15	19.17	00,03		Shift 2
22/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	19.17	20.00	00,72	Hauling OB di PIT Makale	Shift 2
22/02/2024	ATCT74002	745	Working	Quarry	Quarry	20.00	20.30	00,50	Hauling Quarry di IRA	Shift 2
22/02/2024	ATCT74002	745	Working	OB Removal	Overburden Removal	20.30	00.00	03,50	Hauling OB di PIT Makale	Shift 2
22/02/2024	ATCT74002	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
22/02/2024	ATCT74002	745	Standby	Rain	Overburden Removal	01.00	02.02	01,03		Shift 2
	CT74002	745	Standby	Weather Condition	Overburden Removal	02.02	03.09	01,12		Shift 2
	CT74002	745	Standby	Slippery	Overburden Removal	03.09	06.45	03,60		Shift 2
	CT74002	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74003	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
22/02/2024	ATCT74003	745	Standby	Wait Stock Material	Ore Getting	07.15	09.00	01,75		Shift 1
22/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	09.00	10.55	01,92	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	10.55	11.00	00,08	Hauling ORE di PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74003	745	Standby	Rain	Ore Getting	11.00	11.19	00,32		Shift 1
22/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	11.19	12.00	00,68	Hauling ORE di PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74003	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
22/02/2024	ATCT74003	745	Working	Ore Getting	Ore Getting	13.00	14.00	01,00	Hauling Ore di PIT Rantepao - ETO RR	Shift 1
22/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	14.00	16.01	02,02	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74003	745	Standby	Rain	Ore Getting	16.01	16.43	00,70		Shift 1
22/02/2024	ATCT74003	745	Standby	Weather Condition	Overburden Removal	16.43	16.55	00,20		Shift 1
22/02/2024	ATCT74003	745	Standby	Slippery	Overburden Removal	16.55	17.13	00,30		Shift 1
22/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	17.13	18.45	01,53	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74003	745	Standby	Shift Change	Ore Getting	18.45	19.00	00,25		Shift 1
22/02/2024	ATCT74003	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
22/02/2024	ATCT74003	745	Standby	Front Preparation	Overburden Removal	19.15	19.17	00,03		Shift 2
22/02/2024	ATCT74003	745	Working	OB Removal	Overburden Removal	19.17	00.00	04,72	Hauling OB di PIT Makale	Shift 2
22/02/2024	ATCT74003	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
22/02/2024	ATCT74003	745	Standby	Rain	Overburden Removal	01.00	02.02	01,03		Shift 2
22/02/2024	ATCT74003	745	Standby	Weather Condition	Overburden Removal	02.02	03.09	01,12		Shift 2
	CT74003	745	Standby	Slippery	Overburden Removal	03.09	06.45	03,60		Shift 2
	CT74003	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2
	CT74004	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74004	745	Standby	Road Preparation	Overburden Removal	07.15	09.10	01,92		Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
22/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	09.10	11.00	01,83	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	11.00	11.19	00,32		Shift 1
22/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	11.19	12.00	00,68	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74004	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
22/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	13.00	14.00	01,00	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74004	745	Working	Ore Getting	Ore Getting	14.00	14.15	00,25	Hauling ORE di PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	14.15	16.01	01,77	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74004	745	Standby	Rain	Overburden Removal	16.01	16.43	00,70		Shift 1
22/02/2024	ATCT74004	745	Standby	Weather Condition	Overburden Removal	16.43	16.55	00,20		Shift 1
22/02/2024	ATCT74004	745	Standby	Slippery	Overburden Removal	16.55	17.13	00,30		Shift 1
22/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	17.13	18.45	01,53	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
22/02/2024	ATCT74004	745	Standby	Shift Change	Overburden Removal	19.00	19.15	00,25		Shift 2
22/02/2024	ATCT74004	745	Standby	Front Preparation	Overburden Removal	19.15	19.17	00,03		Shift 2
22/02/2024	ATCT74004	745	Working	OB Removal	Overburden Removal	19.17	20.00	00,72	Hauling OB di PIT Makale	Shift 2
22/02/2024	ATCT74004	745	Working	Quarry	Quarry	20.00	00.00	04,00	Hauling Quarry di IRA	Shift 2
22/02/2024	ATCT74004	745	Standby	Meal & Rest	Ore Getting	00.00	01.00	01,00		Shift 2
22/02/2024	ATCT74004	745	Standby	Rain	Quarry	01.00	02.02	01,03		Shift 2
22/02/2024	ATCT74004	745	Standby	Weather Condition	Quarry	02.02	03.09	01,12		Shift 2
22/02/2024	ATCT74004	745	Standby	Slippery	Quarry	03.09	06.45	03,60		Shift 2
	CT74004	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
	CT74005	745	Standby	Shift Change	Overburden Removal	07.00	07.15	00,25		Shift 1
	CT74005	745	Standby	Road Preparation	Overburden Removal	07.15	08.50	01,58		Shift 1
	CT74005	745	Working	OB Removal	Overburden Removal	08.50	09.15	00,42	Hauling OB di PIT Makale	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
22/02/2024	ATCT74005	745	Standby	Wait Stock Material	Overburden Removal	09.15	10.00	00,75		Shift 1
22/02/2024	ATCT74005	745	Working	Quarry	Quarry	10.00	12.00	02,00	Hauling Quarry di IRA	Shift 1
22/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	12.00	13.00	01,00		Shift 1
22/02/2024	ATCT74005	745	Working	Quarry	Quarry	13.00	13.30	00,50	Hauling Quarry di IRA	Shift 1
22/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	13.30	14.00	00,50	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74005	745	Working	Ore Getting	Ore Getting	14.00	15.00	01,00	Hauling Ore PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	15.00	16.01	01,02	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	16.01	16.43	00,70		Shift 1
22/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	16.43	16.55	00,20		Shift 1
22/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	16.55	17.13	00,30		Shift 1
22/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	17.13	18.45	01,53	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74005	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
22/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
22/02/2024	ATCT74005	745	Standby	Front Preparation	Overburden Removal	19.15	19.17	00,03		Shift 2
22/02/2024	ATCT74005	745	Working	OB Removal	Overburden Removal	19.17	00.00	04,72	Hauling OB di PIT Makale	Shift 2
22/02/2024	ATCT74005	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
22/02/2024	ATCT74005	745	Standby	Rain	Overburden Removal	01.00	02.02	01,03		Shift 2
22/02/2024	ATCT74005	745	Standby	Weather Condition	Overburden Removal	02.02	03.09	01,12		Shift 2
22/02/2024	ATCT74005	745	Standby	Slippery	Overburden Removal	03.09	06.45	03,60		Shift 2
22/02/2024	ATCT74005	745	Standby	Shift Change	Ore Getting	06.45	07.00	00,25		Shift 2
	CT74007	745	Standby	Shift Change	Ore Getting	07.00	07.15	00,25		Shift 1
	CT74007	745	Standby	Wait Stock Material	Ore Getting	07.15	09.00	01,75		Shift 1
	CT74007	745	Working	OB Removal	Overburden Removal	09.00	10.55	01,92	Hauling OB di PIT Makale	Shift 1
	CT74007	745	Working	Ore Getting	Ore Getting	10.55	11.00	00,08	Hauling ORE di PIT Makale - ETO	Shift 1



Date	CN Unit	Model	Category	Item Category	Dedicated	Start	Stop	Total (hours)	Remark	Shift
									RR	
22/02/2024	ATCT74007	745	Standby	Rain	Ore Getting	11.00	11.19	00,32		Shift 1
22/02/2024	ATCT74007	745	Working	Ore Getting	Ore Getting	11.19	12.00	00,68	Hauling ORE di PIT Makale - ETO RR	Shift 1
22/02/2024	ATCT74007	745	Standby	Meal & Rest	Ore Getting	12.00	13.00	01,00		Shift 1
22/02/2024	ATCT74007	745	Working	Ore Getting	Ore Getting	13.00	14.00	01,00	Hauling Ore di PIT Rantepao - ETO RR	Shift 1
22/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	14.00	16.01	02,02	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74007	745	Standby	Rain	Ore Getting	16.01	16.43	00,70		Shift 1
22/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	16.43	16.55	00,20		Shift 1
22/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	16.55	17.13	00,30		Shift 1
22/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	17.13	18.45	01,53	Hauling OB di PIT Makale	Shift 1
22/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	18.45	19.00	00,25		Shift 1
22/02/2024	ATCT74007	745	Standby	Shift Change	Ore Getting	19.00	19.15	00,25		Shift 2
22/02/2024	ATCT74007	745	Working	Quarry	Quarry	19.15	20.00	00,75	Hauling Quarry di IRA	Shift 2
22/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	20.00	00.00	04,00	Hauling OB di PIT Makale	Shift 2
22/02/2024	ATCT74007	745	Standby	Meal & Rest	Overburden Removal	00.00	01.00	01,00		Shift 2
22/02/2024	ATCT74007	745	Standby	Rain	Overburden Removal	01.00	02.02	01,03		Shift 2
22/02/2024	ATCT74007	745	Standby	Weather Condition	Overburden Removal	02.02	03.09	01,12		Shift 2
22/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	03.09	05.00	01,85		Shift 2
22/02/2024	ATCT74007	745	Working	OB Removal	Overburden Removal	05.00	06.00	01,00	Hauling OB di PIT Makale	Shift 2
22/02/2024	ATCT74007	745	Standby	Slippery	Overburden Removal	06.00	06.45	00,75		Shift 2
22/02/2024	ATCT74007	745	Standby	Shift Change	Overburden Removal	06.45	07.00	00,25		Shift 2



Berdasarkan data waktu kerja alat angkut sebanyak 110 data dari enam unit *Articulated* CAT 745 pada Tabel 3.1, maka diperoleh waktu kerja efektif *Articulated* CAT 745 menggunakan Persamaan 7 pada Tabel 3.2.

Tabel 3.2. Waktu kerja efektif *Articulated* CAT 745 di PT Hillconjaya Sakti

<i>Type</i>	<i>Class</i>	<i>Model</i>	<i>Code Unit</i>	Total Working (Jam)	Total Standby (Jam)	Total Breakdown (Jam)	Efisiensi Kerja (%)
<i>Articulated Dump Truck</i>	DT 40 Ton	745	ATCT74001	205.80	137.97	184.23	38.98
<i>Articulated Dump Truck</i>	DT 40 Ton	746	ATCT74002	197.02	152.03	178.95	37.31
<i>Articulated Dump Truck</i>	DT 40 Ton	747	ATCT74003	267.08	250.87	10.05	50.58
<i>Articulated Dump Truck</i>	DT 40 Ton	748	ATCT74004	238.43	285.65	3.92	45.16
<i>Articulated Dump Truck</i>	DT 40 Ton	749	ATCT74005	272.67	244.05	11.28	51.64
<i>Articulated Dump Truck</i>	DT 40 Ton	750	ATCT74007	238.15	261.17	28.68	45.10
Rata-rata							45



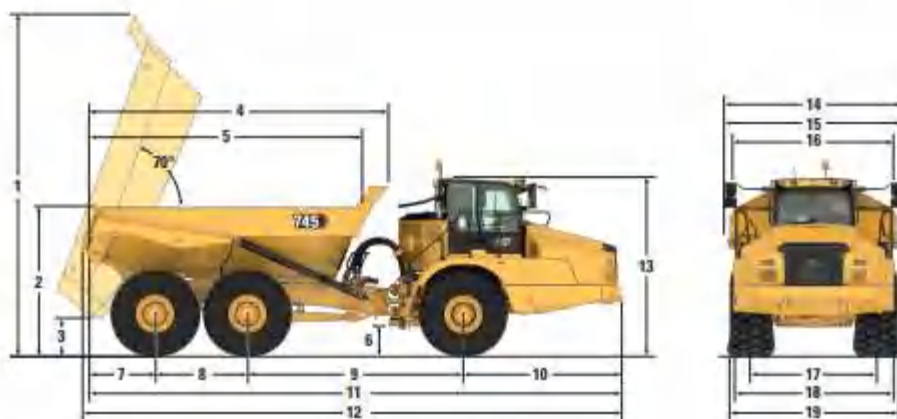


SPESIFIKASI ALAT ANGKUT

745 Articulated Truck Specifications

Dimensions

All dimensions are approximate.



	mm	ft/in
1 Body Height Fully Tipped	7310	24'0"
2 Load over Height	3178	10'6"
3 Ground Clearance - Body Fully Tipped	779	2'7"
4 Body Length	6457	21'2"
5 Body Length Inside	5900	19'4"
6 Ground Clearance	590	1'11"
7 Rear Axle Center to Body Rear	1448	4'9"
8 Mid Axle to Rear Axle Center	1966	6'5"
9 Mid Axle to Front Axle (Centers)	4590	15'1"
10 Front Axle Center to Machine Front	3418	11'3"
11 Overall Length	11 422	37'6"
12 Overall Length with Tailgate	11 550	37'11"
13 Height Transport Position	3762	12'4"
14 Overall Width	3801	12'6"
15 Width over Tailgate/Width including Tailgate	3774	12'5"
16 Body Width	3422	11'3"
17 Track Width	2687	8'10"
18 Width over Fenders	3370	11'1"
19 Max Laden over Tire Bulge	3500	11'6"

Turning Circle

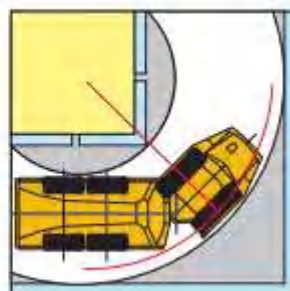
Dimensions are for machines equipped with 29.5R25 tires.

Turning Dimensions

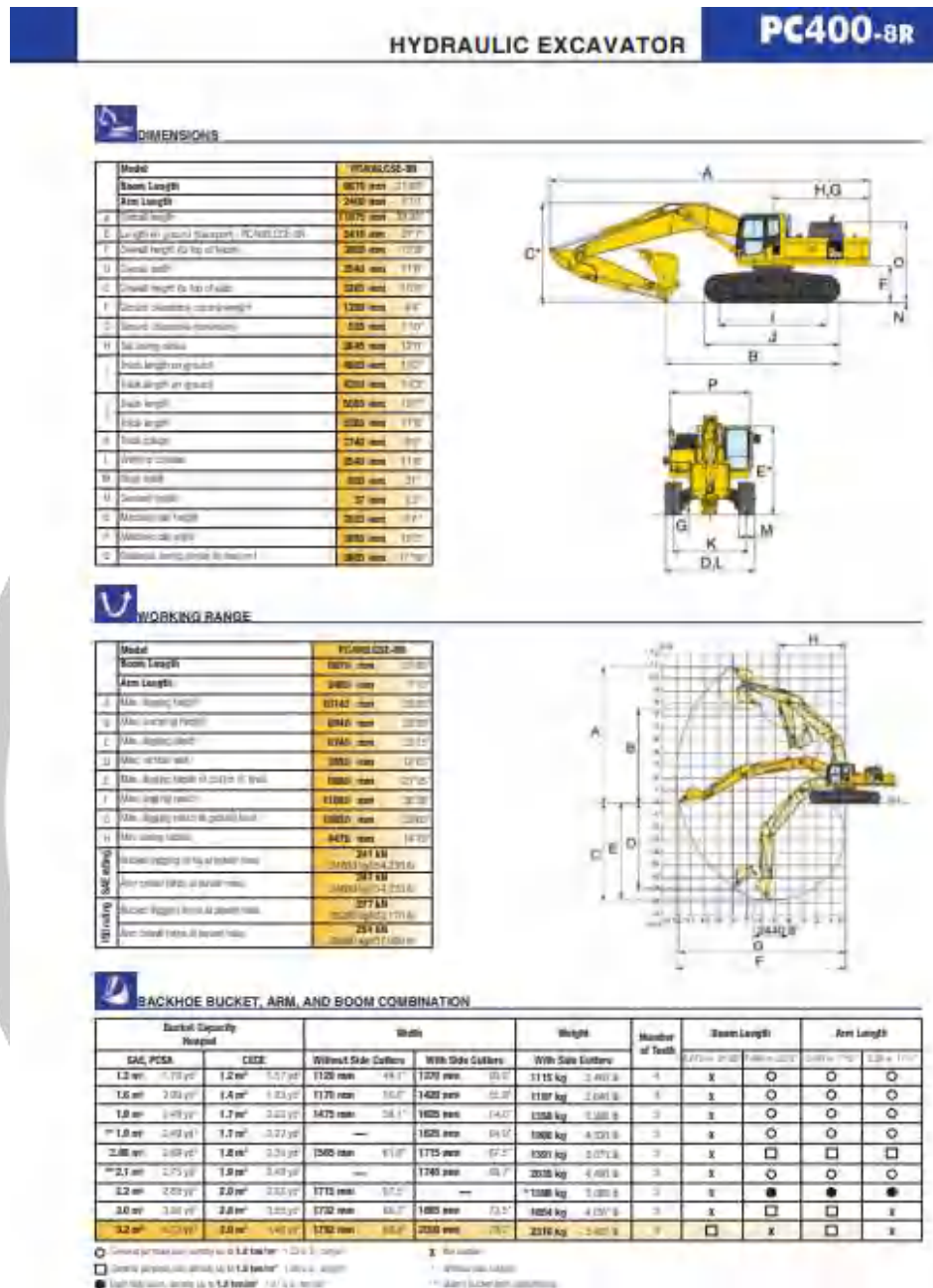
Steer Angle - From Center Left/Right	45°
SAE Turning Radius	8625 mm 340 in
Clearance Radius	9082 mm 356 in
Inside Radius	4413 mm 174 in
Axis Width	5917 mm 233 in

Steering

Lock to Lock 4.8 seconds @ 60 rpm



SPESIFIKASI ALAT GALI MUAT



STANDARD EQUIPMENT

- Alternator, 50 Ampere, 24V
- Anti-slip plates
- Auto-diesel
- Auto air conditioner
- Arm 2400 mm (7' 10")
- Automatic engine warm-up system
- Batteries, 140 Ah/2 x 12V
- Boom 6670 mm (21' 82")
- Boom holding valve
- Cab, capable EOPS vandalism protection
- Corrosion resistor
- Counterweight, 9220 kg (20,330 lb)
- Dry type air cleaner, double element
- Electric horn
- Electric priming pump
- Engine, Komatsu SAA6D125E-5
- Engine overheat prevention system
- Fan guard structure
- Fuel pre-filter (with water separator)
- Fuel refill pump
- FM/AM radio for Asia
- Hydraulic track adjusters (each side)
- Multi-function color monitor
- Notch limiter
- Power maximizing system
- PPC hydraulic control system
- Radiator & oil cooler dust proof net
- Rear reflector
- Rear view mirror (RH, LH)
- ROPS cab (ISO 12117-2)
- Seat, Suspension-reclining+tilt
- Seat belt, retractable, 76 mm
- Special feature : 3.2 m³ bucket with Tiger Tooth
- Track guiding guard, center section
- Track roller
- Track shoe
- Track shoe
- Travel alarm
- Two-mode settings for boom
- Water separator
- Working light, 2 (boom and RH)
- Working mode selection system





PERHITUNGAN TAHANAN GULIR

Hasil pengamatan di lapangan ditemukan kondisi tipe permukaan jalan angkut *overburden* dibagi menjadi dua yaitu sebagai berikut.

Tabel 5.1. Jenis kondisi dan koefisien tahanan gulir pada jalan angkut

Kondisi	Jenis Kondisi Jalan Angkut	Koefisien Tahanan Gulir (%)
1	<i>Smooth, hard, dry dirt, gravel and well maintained</i>	2
2	<i>Soft unplowed dirt, poorly maintained</i>	4

Perhitungan tahanan gulir pada rute bermuatan

1. Segmen A-B (Kondisi 2)

$$\begin{aligned}\text{Tahanan Gulir} &= 4\% + (1,5\% \times 5,05) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 16.745,53 \text{ lbs}\end{aligned}$$

2. Segmen B-C (Kondisi 2)

$$\begin{aligned}\text{Tahanan Gulir} &= 4\% + (1,5\% \times 3,42) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 13.201,13 \text{ lbs}\end{aligned}$$

3. Segmen C-D (Kondisi 2)

$$\begin{aligned}\text{Tahanan Gulir} &= 4\% + (1,5\% \times 3,00) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 12.291,54 \text{ lbs}\end{aligned}$$

4. Segmen D-E (Kondisi 1)

$$\begin{aligned}\text{Tahanan Gulir} &= 2\% + (1,5\% \times 7,68) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 19.546,89 \text{ lbs}\end{aligned}$$

5. Segmen E-F (Kondisi 1)

$$\begin{aligned}\text{Tahanan Gulir} &= 2\% + (1,5\% \times 2,52) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 8.358,53 \text{ lbs}\end{aligned}$$

6. Segmen F-G (Kondisi 2)

$$\begin{aligned}\text{Tahanan Gulir} &= 4\% + (1,5\% \times 1,25) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 8.489,49 \text{ lbs}\end{aligned}$$



7. Segmen G-H (Kondisi 1)

$$\text{Tahanan Gulir} = 2\% + (1,5\% \times 1,44) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton}$$

$$= 6.024,06 \text{ lbs}$$

8. Segmen H-I (Kondisi 1)

$$\text{Tahanan Gulir} = 2\% + (1,5\% \times 1,25) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton}$$

$$= 5.597,03 \text{ lbs}$$

9. Segmen I-J (Kondisi 1)

$$\text{Tahanan Gulir} = 2\% + (1,5\% \times 1,97) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton}$$

$$= 7.162,83 \text{ lbs}$$

10. Segmen J-K (Kondisi 1)

$$\text{Tahanan Gulir} = 2\% + (1,5\% \times 1,02) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton}$$

$$= 5.113,05 \text{ lbs}$$

11. Segmen E-F (Kondisi 2)

$$\text{Tahanan Gulir} = 4\% + (1,5\% \times 0,79) \times 65,6 \text{ ton} \times 2.204,62 \text{ lb/ton}$$

$$= 7.493,07 \text{ lbs}$$

Tabel 5.2. Perhitungan lengkap tahanan gulir pada rute bermuatan *Articulated* CAT 745

Segmen Jalan	Berat Kendaraan (Ton)	Koefisien Tahanan Gulir (%)	Data Amblasan (Inci)	Tahanan Gulir (lbs)
A-B	65,6	4	5,05	16.745,53
B-C		4	3,42	12.204,71
C-D		4	3,00	12.291,54
D-E		2	7,68	9.582,70
E-F		2	2,52	8.358,53
F-G		4	1,25	8.489,49
G-H		2	1,44	6.024,06
H-I		2	1,25	5.597,03
I-J		2	1,97	7.162,83
J-K		2	1,02	5.113,05
K-L		4	0,79	7.493,07



Perhitungan tahanan gulir pada rute tidak bermuatan

1. Segmen L-K (Kondisi 2)

$$\begin{aligned}\text{Tahanan Gulir} &= 4\% + (1,5\% \times 0,79) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 1.041,59 \text{ lbs}\end{aligned}$$

2. Segmen K-J (Kondisi 1)

$$\begin{aligned}\text{Tahanan Gulir} &= 2\% + (1,5\% \times 1,02) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 1.354,04 \text{ lbs}\end{aligned}$$

3. Segmen J-I (Kondisi 1)

$$\begin{aligned}\text{Tahanan Gulir} &= 2\% + (1,5\% \times 2,00) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 2.645,56 \text{ lbs}\end{aligned}$$

4. Segmen I-H (Kondisi 1)

$$\begin{aligned}\text{Tahanan Gulir} &= 2\% + (1,5\% \times 1,44) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 1.909,53 \text{ lbs}\end{aligned}$$

5. Segmen H-G (Kondisi 1)

$$\begin{aligned}\text{Tahanan Gulir} &= 2\% + (1,5\% \times 1,44) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 1.909,53 \text{ lbs}\end{aligned}$$

6. Segmen G-F' (Kondisi 1)

$$\begin{aligned}\text{Tahanan Gulir} &= 2\% + (1,5\% \times 1,00) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 1.319,32 \text{ lbs}\end{aligned}$$

7. Segmen F'-E (Kondisi 1)

$$\begin{aligned}\text{Tahanan Gulir} &= 2\% + (1,5\% \times 1,00) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 1.328,00 \text{ lbs}\end{aligned}$$

8. Segmen E-D (Kondisi 1)

$$\begin{aligned}\text{Tahanan Gulir} &= 2\% + (1,5\% \times 7,68) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 10.155,16 \text{ lbs}\end{aligned}$$

9. Segmen D-C (Kondisi 2)

$$\begin{aligned}\text{Tahanan Gulir} &= 4\% + (1,5\% \times 3,00) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 3.967,49 \text{ lbs}\end{aligned}$$

10. Segmen C-B (Kondisi 2)

$$\begin{aligned}\text{Tahanan Gulir} &= 4\% + (1,5\% \times 3,42) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 4.522,11 \text{ lbs}\end{aligned}$$

Segmen B-A (Kondisi 2)



$$\begin{aligned}\text{Tahanan Gulir} &= 4\% + (1,5\% \times 5,05) \times 40 \text{ ton} \times 2.204,62 \text{ lb/ton} \\ &= 6.683,34 \text{ lbs}\end{aligned}$$

Tabel 5.3. Perhitungan lengkap tahanan gulir pada rute tidak bermuatan
Articulated CAT 745

Segmen Jalan	Berat Kendaraan (Ton)	Koefisien Tahanan Gulir (%)	Data Amblasan (Inci)	Tahanan Gulir (lbs)
L-K	40	4	0.79	1,041.59
K-J		2	1.02	1,354.04
J-I		2	2.00	2,645.56
I-H		2	1.44	1,909.53
H-G		2	1.44	1,909.53
G-F		2	1.00	1,319.32
F-E		2	1.00	1,328.00
E-D		2	7.68	10,155.16
D-C		4	3.00	3,967.49
C-B		4	3.42	4,522.11
B-A		4	5.05	6,683.34





PERHITUNGAN TAHANAN KEMIRINGAN

Perhitungan tahanan kemiringan dapat dihitung dengan persamaan

$$GR \text{ factor} = 20 \text{ lb/ton} \times \% \text{ grade}$$

$$GR = GR \text{ factor (lb/ton)} \times \text{Gross machine weight (tons)}$$

Perhitungan tahanan gulir pada rute bermuatan

1. Segmen A-B

$$\begin{aligned} \text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -0.37\% \times 65.6 \text{ ton} \\ &= -489.38 \text{ lbs} \end{aligned}$$

2. Segmen B-C

$$\begin{aligned} \text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 2.93\% \times 65.6 \text{ ton} \\ &= 3,837.60 \text{ lbs} \end{aligned}$$

3. Segmen C-D

$$\begin{aligned} \text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 13.38\% \times 65.6 \text{ ton} \\ &= 17,557.18 \text{ lbs} \end{aligned}$$

4. Segmen D-E

$$\begin{aligned} \text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 6.54\% \times 65.6 \text{ ton} \\ &= 8,576.54 \text{ lbs} \end{aligned}$$

5. Segmen E-F

$$\begin{aligned} \text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 7.39\% \times 65.6 \text{ ton} \\ &= 9,700.93 \text{ lbs} \end{aligned}$$

6. Segmen F-G

$$\begin{aligned} \text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 5.12\% \times 65.6 \text{ ton} \\ &= 6,712.19 \text{ lbs} \end{aligned}$$

7. Segmen G-H

$$\begin{aligned} \text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 9.20\% \times 65.6 \text{ ton} \\ &= 12,075.65 \text{ lbs} \end{aligned}$$

8. Segmen H-I

$$\begin{aligned} \text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 6.71\% \times 65.6 \text{ ton} \\ &= 8,800.90 \text{ lbs} \end{aligned}$$



9. Segmen I-J

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 14.57\% \times 65.6 \text{ ton} \\ &= 19,091.14 \text{ lbs}\end{aligned}$$

10. Segmen J-K

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 9.98\% \times 65.6 \text{ ton} \\ &= 13,091.14 \text{ lbs}\end{aligned}$$

11. Segmen K-L

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 10.17\% \times 65.6 \text{ ton} \\ &= 13,345.66 \text{ lbs}\end{aligned}$$

Perhitungan tahanan gulir pada rute tidak bermuatan

1. Segmen L-K

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -10.17\% \times 40 \text{ ton} \\ &= -8,137.60 \text{ lbs}\end{aligned}$$

2. Segmen K-J

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -9.98\% \times 40 \text{ ton} \\ &= -7,982.40 \text{ lbs}\end{aligned}$$

3. Segmen J-I

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -14.57\% \times 40 \text{ ton} \\ &= -11,658.40 \text{ lbs}\end{aligned}$$

4. Segmen I-H

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -6.71\% \times 40 \text{ ton} \\ &= -5,366.40 \text{ lbs}\end{aligned}$$

5. Segmen H-G

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -9.20\% \times 40 \text{ ton} \\ &= -7,363.20 \text{ lbs}\end{aligned}$$

6. Segmen G-F'

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -10.14\% \times 40 \text{ ton} \\ &= -8,115.20 \text{ lbs}\end{aligned}$$

7. Segmen F'-E

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -3.48\% \times 40 \text{ ton} \\ &= -2,783.20 \text{ lbs}\end{aligned}$$



8. Segmen E-D

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -6.54\% \times 40 \text{ ton} \\ &= -5,229.60 \text{ lbs}\end{aligned}$$

9. Segmen D-C

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -13.38\% \times 40 \text{ ton} \\ &= -10,705.60 \text{ lbs}\end{aligned}$$

10. Segmen C-B

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times -2.93\% \times 40 \text{ ton} \\ &= -2,340.00 \text{ lbs}\end{aligned}$$

11. Segmen B-A

$$\begin{aligned}\text{Tahanan kemiringan} &= 20 \text{ lb/ton} \times 0.37\% \times 40 \text{ ton} \\ &= 298.40 \text{ lbs}\end{aligned}$$

Tabel 6.1. Perhitungan lengkap tahanan gulir

Rute Bermuatan			Rute Tidak Bermuatan		
Segmen Jalan	Grade (%)	Tahanan Kemiringan (lbs)	Segmen Jalan	Grade (%)	Tahanan Kemiringan (lbs)
A-B	-0.37	-489.38	L-K	-10.17	-8,137.60
B-C	2.93	3,837.60	K-J	-9.98	-7,982.40
C-D	13.38	17,557.18	J-I	-14.57	-11,658.40
D-E	6.54	8,576.54	I-H	-6.71	-5,366.40
E-F	7.39	9,700.93	H-G	-9.20	-7,363.20
F-G	5.12	6,712.19	G-F	-10.14	-8,115.20
G-H	9.20	12,075.65	F-E	-3.48	-2,783.20
H-I	6.71	8,800.90	E-D	-6.54	-5,229.60
I-J	14.57	19,119.78	D-C	-13.38	-10,705.60
J-K	9.98	13,091.14	C-B	-2.93	-2,340.00
K-L	10.17	13,345.66	B-A	0.37	298.40





LAMPIRAN 7
PERHITUNGAN KONSUMSI BAHAN BAKAR (LITER/JAM)
SECARA AKTUAL



Perhitungan Konsumsi Bahan Bakar (Liter/Jam) pada Rute Bermuatan

$$\text{Konsumsi Bahan Bakar} = \frac{\text{Loaf Factor Rata-rata} \times 376 \text{ kW} \times 0,48 \text{ lbs/kWh}}{7,34 \text{ lbs/gallon}} \times 3,785 \text{ liter/gallon}$$

Dimana,

House power	= 376 kW	1 ton = 2204,62 lbs
Efisiensi Mekanis	= 85 %	1 ft/s = 0,682 mph
Berat Alat (Kondisi Bermuatan)	= 65,6 ton	
Berat Alat (Kondisi Tidak bermuatan)	= 40 ton	
Kecepatan Gravitasi	= 32,2 ft/s ²	
Rimpul maksimal	= 42.276,32 lbs	

Perhitungan *load factor* berdasarkan pemakaian rimpul pada segmen A-B

1. Load Factor 1

$$\begin{aligned} \text{Total tahanan (Segmen A-B)} &= 16.256,15 \text{ lbs} \\ \text{Sisa rimpul} &= 42.276,32 - 16.256,15 = 26.020,16 \text{ lbs} \\ &= 26.020,16 \text{ lbs} / 65,6 \text{ ton} = 396,65 \text{ lbs/ton} \\ \text{Rate percepatan} &= \frac{26.020,16 \text{ lbs} \times 32,2 \text{ ft/s}^2}{65,6 \text{ ton} \times 2204,62} = 5,79 \text{ ft/s}^2 \\ &= 5,79 \text{ ft/s}^2 \times 0,682 = 3,95 \text{ mph/s} \\ &= 3,95 \text{ mph/s} \times 60 \text{ s/min} = 237,06 \text{ mph/min} \\ \text{Rimpul yang dibutuhkan untuk percepatan} &= 300 \\ \text{Sisa rimpul setelah percepatan} &= 396,65 \text{ lbs/ton} - 300 \text{ lbs/ton} = 96,65 \text{ lbs/ton} \\ \text{Rimpul terpakai} &= 42.276,32 \text{ lbs} - (96,65 \text{ lbs/ton} \times 65,6 \text{ ton}) \\ &= 35.936,15 \text{ lbs} \\ \text{Load factor 1} &= 35.936,15 \text{ lbs} / 42.276,32 \text{ lbs} = 0,85 \end{aligned}$$

2. Load Factor 2

$$\begin{aligned} \text{Total tahanan (Segmen A-B)} &= 16.256,15 \text{ lbs} \\ \text{Sisa rimpul} &= 32.130,00 \text{ lbs} - 16.256,15 \text{ lbs} = 15.873,85 \text{ lbs} \\ &= 15.873,85 \text{ lbs} / 65,6 \text{ ton} = 241,98 \text{ lbs/ton} \\ \text{Rate percepatan} &= \frac{15.873,85 \text{ lbs} \times 32,2 \text{ ft/s}^2}{65,6 \text{ ton} \times 2204,62} = 3,53 \text{ ft/s}^2 \\ &= 3,53 \text{ ft/s}^2 \times 0,682 = 2,41 \text{ mph/s} \\ &= 2,41 \text{ mph/s} \times 60 \text{ s/min} = 144,62 \text{ mph/min} \end{aligned}$$



il yang dibutuhkan untuk percepatan = 200

mpul setelah percepatan = 241,98 lbs/ton - 200 lbs/ton = 41,98 lbs/ton

il terpakai = 32.130,00 lbs - (41,98 lbs/ton × 65,6 ton)

$$= 29.376,15 \text{ lbs}$$

$$\text{Load factor 2} = 29.376,15 \text{ lbs} / 42.276,32 \text{ lbs} = 0,69$$

3. *Load Factor 3*

$$\text{Total tahanan (Segmen A-B)} = 16.256,15 \text{ lbs}$$

$$\text{Sisa rimpul} = 22.950,00 \text{ lbs} - 16.256,15 \text{ lbs} = 6.693,85 \text{ lbs}$$

$$= 6.693,85 \text{ lbs} / 65,6 \text{ ton} = 102,04 \text{ lbs/ton}$$

$$\text{Rate percepatan} = \frac{6.693,85 \text{ lbs} \times 32,2 \text{ ft/s}^2}{65,6 \text{ ton} \times 2204,62} = 5,79 \text{ ft/s}^2$$

$$= 5,79 \text{ ft/s}^2 \times 0,682 = 3,95 \text{ mph/s}$$

$$= 3,95 \text{ mph/s} \times 60 \text{ s/min} = 60,99 \text{ mph/min}$$

Rimpul yang dibutuhkan untuk percepatan = 50

$$\text{Sisa rimpul setelah percepatan} = 102,04 \text{ lbs/ton} - 50 \text{ lbs/ton} = 52,04 \text{ lbs/ton}$$

$$\text{Rimpul terpakai} = 22.950,00 \text{ lbs} - (41,98 \text{ lbs/ton} \times 65,6 \text{ ton})$$

$$= 19.536,15 \text{ lbs}$$

$$\text{Load factor 3} = 19.536,15 \text{ lbs} / 42.276,32 \text{ lbs} = 0,46$$

4. *Load Factor 4*

$$\text{Total tahanan (Segmen A-B)} = 16.256,15 \text{ lbs}$$

$$\text{Sisa rimpul} = 18.255,68 \text{ lbs} - 16.256,15 \text{ lbs} = 1.999,53 \text{ lbs}$$

$$= 1.999,53 \text{ lbs} / 65,6 \text{ ton} = 30,48 \text{ lbs/ton}$$

$$\text{Rate percepatan} = \frac{1.999,53 \text{ lbs} \times 32,2 \text{ ft/s}^2}{65,6 \text{ ton} \times 2204,62} = 0,45 \text{ ft/s}^2$$

$$= 0,45 \text{ ft/s}^2 \times 0,682 = 0,30 \text{ mph/s}$$

$$= 0,30 \text{ mph/s} \times 60 \text{ s/min} = 18,22 \text{ mph/min}$$

Rimpul yang dibutuhkan untuk percepatan = 20

$$\text{Sisa rimpul setelah percepatan} = 30,48 \text{ lbs/ton} - 20 \text{ lbs/ton} = 10,48 \text{ lbs/ton}$$

$$\text{Rimpul terpakai} = 18.255,68 \text{ lbs} - (10,48 \text{ lbs/ton} \times 65,6 \text{ ton})$$

$$= 17.568,15 \text{ lbs}$$

$$\text{Load factor 4} = 17.568,15 \text{ lbs} / 42.276,32 \text{ lbs} = 0,42$$

5. *Load Factor 5*

$$\text{Total tahanan (Segmen A-B)} = 16.256,15 \text{ lbs}$$

$$\text{Sisa rimpul} = 13.849,14 \text{ lbs} - 16.256,15 \text{ lbs} = -2.407,02 \text{ lbs}$$

Total tahanan lebih besar dari rimpul yang tersedia

Maka,

$$\text{Rata-rata load factor} = 0,61$$



$$\text{bahan bakar} = \frac{0,61 \times 376 \text{ kW} \times 0,48 \text{ lbs/kWh}}{7,34 \text{ lbs/gallon}} \times 3,785 \text{ liter/gallon}$$

$$= 56,37 \text{ liter/jam}$$

*) Ulangi cara perhitungan diatas pada segmen-segmen jalan berikutnya kemudian rata-ratakan hasil konsumsi bahan bakar pada semua segmen jalan untuk mendapatkan jumlah konsumsi bahan bakar setiap jam pada saat *Articulated* CAT 745 tidak bermuatan.



Tabel 7.1. Perhitungan konsumsi bahan bakar (liter/jam) pada rute bermuatan secara aktual

Segmen Jalan	Gear	Kecepatan (mph)	Rimpull (lbs)	Grade (%)	Total Tahanan (lbs)	Perhitungan Sisa Rimpull (lbs)	Sisa Rimpull (lbs/ton)	Percepatan (mph/min)	Rimpull yang Dibutuhkan untuk Percepatan (lbs/ton)	Sisa Rimpull Setelah Percepatan (lbs/ton)	Rimpull Terpakai (lbs)	Load Factor	Load Factor Rata-rata	Konsumsi Bahan Bakar (Liter/Jam)
A-B	1st	3,8	42.276,32	-0,37	16.256,15	26.020,16	396,65	237,06	300	96,65	35.936,15	0,85	0,62	57,81
	2nd	5	32.130,00			15.873,85	241,98	144,62	200	41,98	29.376,15	0,69		
	3rd	7	22.950,00			6.693,85	102,04	60,99	90	12,04	22.160,15	0,52		
	4th	8,8	18.255,68			1.999,53	30,48	18,22	20	10,48	17.568,15	0,42		
	5th	11,6	13.849,14			-2.407,02								
	6th	14,2	11.313,38											
B-C	1st	3,8	42.276,32	2,93	17.038,73	25.237,59	384,72	229,93	300	84,72	36.718,73	0,87	0,63	58,81
	2nd	5	32.130,00			15.091,27	230,05	137,49	200	30,05	30.158,73	0,71		
	3rd	7	22.950,00			5.911,27	90,11	53,86	80	10,11	22.286,73	0,53		
	4th	8,8	18.255,68			1.216,96	18,55	11,09	10,0	8,55	17.694,73	0,42		
	5th	11,6	13.849,14			-3.189,59								
	6th	14,2	11.313,38											
C-D	1st	3,8	42.276,32	13,38	29.848,72	12.427,59	189,45	113,22	100	89,45	36.408,72	0,86	0,81	75,10
	2nd	5	32.130,00			2.281,28	34,78	20,78	30	4,78	31.816,72	0,75		
	3rd	7	22.950,00			-6.898,72								
	4th	8,8	18.255,68											
	5th	11,6	13.849,14											
	6th	14,2	11.313,38											
D-E	1st	3,8	42.276,32	6,54	28.123,43	14.152,88	215,75	128,94	300	-84,25	47.803,43	1,13	0,94	87,18
	2nd	5	32.130,00			4.006,57	61,08	36,50	50	11,08	31.403,43	0,74		
	3rd	7	22.950,00			-5.173,43								
	4th	8,8	18.255,68											
	5th	11,6	13.849,14											
	6th	14,2	11.313,38											
	1st	3,8	42.276,32	7,39	18.059,46	24.216,86	369,16	220,63	300	69,16	37.739,46	0,89	0,61	56,36
	2nd	5	32.130,00			14.070,54	214,49	128,19	100	114,49	24.619,46	0,58		
		7	22.950,00			4.890,54	74,55	44,56	60	14,55	21.995,46	0,52		
		8,8	18.255,68			196,22	2,99	1,79	0,0	2,99	18.059,46	0,43		
		11,6	13.849,14			-4.210,32								
		14,2	11.313,38											
		3,8	42.276,32	5,12	15.201,68	27.074,64	412,72	246,67	300	112,72	34.881,68	0,83	0,61	56,57
		5	32.130,00			16.928,32	258,05	154,23	200	58,05	28.321,68	0,67		
		7	22.950,00			7.748,32	118,11	70,59	100	18,11	21.761,68	0,51		



Segmen Jalan	Gear	Kecepatan (mph)	Rimpull (lbs)	Grade (%)	Total Tahanan (lbs)	Perhitungan Sisa Rimpull (lbs)	Sisa Rimpull (lbs/ton)	Percepatan (mph/min)	Rimpull yang Dibutuhkan untuk Percepatan (lbs/ton)	Sisa Rimpull Setelah Percepatan (lbs/ton)	Rimpull Terpakai (lbs)	Load Factor	Load Factor Rata-rata	Konsumsi Bahan Bakar (Liter/Jam)
	4th	8,8	18.255,68			3.054,00	46,55	27,82	40	6,55	17.825,68	0,42		
	5th	11,6	13.849,14			-1.352,54								
	6th	14,2	11.313,38											
G-H	1st	3,8	42.276,32			24.176,60	368,55	220,27	300	68,55	37.779,71	0,89		
	2nd	5	32.130,00			14.030,29	213,88	127,83	100	113,88	24.659,71	0,58		
	3rd	7	22.950,00			4.850,29	73,94	44,19	60	13,94	22.035,71	0,52		
	4th	8,8	18.255,68	9,20	18.099,71	155,97	2,38	1,42	0	2,38	18.099,71	0,43	0,61	56,45
	5th	11,6	13.849,14			-4.250,57								
	6th	14,2	11.313,38											
H-I	1st	3,8	42.276,32			27.878,39	424,98	253,99	300	124,98	34.077,92	0,81		
	2nd	5	32.130,00			17.732,08	270,31	161,55	200	70,31	27.517,92	0,65		
	3rd	7	22.950,00			8.552,08	130,37	77,92	100	30,37	20.957,92	0,50		
	4th	8,8	18.255,68	6,71	14.397,92	3.857,76	58,81	35,15	50	8,81	17.677,92	0,42	0,59	55,16
	5th	11,6	13.849,14			-548,78								
	6th	14,2	11.313,38											
I-J	1st	3,8	42.276,32			15.993,71	243,81	145,71	200	43,81	39.402,60	0,93		
	2nd	5	32.130,00			5.847,40	89,14	53,27	80	9,14	31.530,60	0,75		
	3rd	7	22.950,00			-3.332,60								
	4th	8,8	18.255,68	14,57	26.282,60								0,84	78,08
	5th	11,6	13.849,14											
	6th	14,2	11.313,38											
J-K	1st	3,8	42.276,32			24.072,13	366,95	219,32	300	66,95	37.884,19	0,90		
	2nd	5	32.130,00			13.925,81	212,28	126,87	200	12,28	31.324,19	0,74		
	3rd	7	22.950,00			4.745,81	72,34	43,24	60	12,34	22.140,19	0,52		
	4th	8,8	18.255,68	9,98	18.204,19	51,49	0,78	0,47	0	0,78	18.204,19	0,43	0,65	60,29
	5th	11,6	13.849,14			-4.355,05								
	6th	14,2	11.313,38											
	1st	3,8	42.276,32			21.437,58	326,79	195,31	200	126,79	33.958,73	0,80		
	2nd	5	32.130,00			11.291,27	172,12	102,87	100	72,12	27.398,73	0,65		
	3rd	7	22.950,00			2.111,27	32,18	19,24	20	12,18	22.150,73	0,52		
	4th	8,8	18.255,68	10,17	20.838,73	-2.583,05							0,66	61,28
	5th	11,6	13.849,14											
	6th	14,2	11.313,38											



Tabel 7.2. Perhitungan konsumsi bahan bakar (liter/jam) pada rute tidak bermuatan secara aktual

Segmen Jalan	Gear	Kecepatan (mph)	Rimpull (lbs)	Grade (%)	Total Tahanan (lbs)	Perhitungan Sisa Rimpull (lbs)	Sisa Rimpull (lbs/ton)	Percepatan (mph/min)	Rimpull yang Dibutuhkan untuk Percepatan (lbs/ton)	Sisa Rimpull Setelah Percepatan (lbs/ton)	Rimpull Terpakai (lbs)	Load Factor	Load Factor Rata-rata	Konsumsi Bahan Bakar (Liter/Jam)
B-A	1st	3,8	42.276,32	-10,17	-7.096,01	35.180,31	879,51	525,65	700	179,51	35.096,01	0,83	0,47	43,36
	2nd	5	32.130,00			25.033,99	625,85	374,05	500	125,85	27.096,01	0,64		
	3rd	7	22.950,00			15.853,99	396,35	236,88	300	96,35	19.096,01	0,45		
	4th	8,8	18.255,68			11.159,67	278,99	166,74	200	78,99	15.096,01	0,36		
	5th	11,6	13.849,14			6.753,13	168,83	100,90	100	68,83	11.096,01	0,26		
	6th	14,2	11.313,38			4.217,37	105,43	63,01	90	15,43	10.696,01	0,25		
C-B	1st	3,8	42.276,32	-9,98	-6.628,36	35.647,95	891,20	532,64	800	91,20	38.628,36	0,91	0,47	43,94
	2nd	5	32.130,00			25.501,64	637,54	381,04	500	137,54	26.628,36	0,63		
	3rd	7	22.950,00			16.321,64	408,04	243,87	300	108,04	18.628,36	0,44		
	4th	8,8	18.255,68			11.627,32	290,68	173,73	200	90,68	14.628,36	0,35		
	5th	11,6	13.849,14			7.220,78	180,52	107,89	100	80,52	10.628,36	0,25		
	6th	14,2	11.313,38			4.685,02	117,13	70,00	100	17,13	10.628,36	0,25		
D-C	1st	3,8	42.276,32	-14,57	-9.012,84	33.263,48	831,59	497,01	700	131,59	37.012,84	0,88	0,50	46,99
	2nd	5	32.130,00			23.117,16	577,93	345,41	500	77,93	29.012,84	0,69		
	3rd	7	22.950,00			13.937,16	348,43	208,24	300	48,43	21.012,84	0,50		
	4th	8,8	18.255,68			9.242,85	231,07	138,10	200	31,07	17.012,84	0,40		
	5th	11,6	13.849,14			4.836,30	120,91	72,26	100	20,91	13.012,84	0,31		
	6th	14,2	11.313,38			2.300,54	57,51	34,37	50	7,51	11.012,84	0,26		
E-D	1st	3,8	42.276,32	-6,71	-3.456,87	38.819,45	970,49	580,03	800	170,49	35.456,87	0,84	0,46	42,83
	2nd	5	32.130,00			28.673,13	716,83	428,42	600	116,83	27.456,87	0,65		
	3rd	7	22.950,00			19.493,13	487,33	291,26	400	87,33	19.456,87	0,46		
	4th	8,8	18.255,68			14.798,82	369,97	221,12	300	69,97	15.456,87	0,37		
	5th	11,6	13.849,14			10.392,27	259,81	155,28	200	59,81	11.456,87	0,27		
	6th	14,2	11.313,38			7.856,51	196,41	117,39	100	96,41	7.456,87	0,18		
	1st	3,8	42.276,32	-9,20	-5.453,67	36.822,65	920,57	550,19	800	120,57	37.453,67	0,89	0,49	45,76
	2nd	5	32.130,00			26.676,33	666,91	398,59	600	66,91	29.453,67	0,70		
	3rd	7	22.950,00			17.496,33	437,41	261,42	400	37,41	21.453,67	0,51		
	4th	8,8	18.255,68			12.802,02	320,05	191,28	300	20,05	17.453,67	0,41		
	5th	11,6	13.849,14			8.395,47	209,89	125,44	100	109,89	9.453,67	0,22		
	6th	14,2	11.313,38			5.859,71	146,49	87,55	100	46,49	9.453,67	0,22		
	3,8	42.276,32	-10,144	-6.795,88	16.154,12	35.480,44	887,01	530,14	800	87,01	38.795,88	0,92	0,48	44,31
	5	32.130,00				25.334,12	633,35	378,53	500	133,35	26.795,88	0,63		
	7	22.950,00				16.154,12	403,85	241,37	300	103,85	18.795,88	0,44		



Segmen Jalan	Gear	Kecepatan (mph)	Rimpull (lbs)	Grade (%)	Total Tahanan (lbs)	Perhitungan Sisa Rimpull (lbs)	Sisa Rimpull (lbs/ton)	Percepatan (mph/min)	Rimpull yang Dibutuhkan untuk Percepatan (lbs/ton)	Sisa Rimpull Setelah Percepatan (lbs/ton)	Rimpull Terpakai (lbs)	Load Factor	Load Factor Rata-rata	Konsumsi Bahan Bakar (Liter/Jam)
	4th	8,8	18.255,68			11.459,80	286,50	171,23	200	86,50	14.795,88	0,35		
	5th	11,6	13.849,14			7.053,26	176,33	105,39	100	76,33	10.795,88	0,26		
	6th	14,2	11.313,38			4.517,50	112,94	67,50	100	12,94	10.795,88	0,26		
H-G	1st	3,8	42.276,32			36.822,65	920,57	550,19	800	120,57	37.453,67	0,89		
	2nd	5	32.130,00			26.676,33	666,91	398,59	500	166,91	25.453,67	0,60		
	3rd	7	22.950,00			17.496,33	437,41	261,42	300	137,41	17.453,67	0,41		
	4th	8,8	18.255,68	-3,48	-5.453,67	12.802,02	320,05	191,28	200	120,05	13.453,67	0,32	0,44	41,36
	5th	11,6	13.849,14			8.395,47	209,89	125,44	100	109,89	9.453,67	0,22		
	6th	14,2	11.313,38			5.859,71	146,49	87,55	100	46,49	9.453,67	0,22		
I-H	1st	3,8	42.276,32			37.350,76	933,77	558,08	800	133,77	36.925,56	0,87		
	2nd	5	32.130,00			27.204,44	680,11	406,48	600	80,11	28.925,56	0,68		
	3rd	7	22.950,00			18.024,44	450,61	269,31	400	50,61	20.925,56	0,49		
	4th	8,8	18.255,68	-6,54	4.925,56	13.330,12	333,25	199,17	300	33,25	16.925,56	0,40	0,49	46,07
	5th	11,6	13.849,14			8.923,58	223,09	133,33	200	23,09	12.925,56	0,31		
	6th	14,2	11.313,38			6.387,82	159,70	95,44	100	59,70	8.925,56	0,21		
J-I	1st	3,8	42.276,32			35.538,20	888,46	531,00	800	88,46	38.738,11	0,92		
	2nd	5	32.130,00			25.391,89	634,80	379,40	500	134,80	26.738,11	0,63		
	3rd	7	22.950,00			16.211,89	405,30	242,23	300	105,30	18.738,11	0,44		
	4th	8,8	18.255,68	-13,38	-6.738,11	11.517,57	287,94	172,09	200	87,94	14.738,11	0,35	0,47	44,19
	5th	11,6	13.849,14			7.111,03	177,78	106,25	100	77,78	10.738,11	0,25		
	6th	14,2	11.313,38			4.575,27	114,38	68,36	100	14,38	10.738,11	0,25		
K-J	1st	3,8	42.276,32			44.458,43	1.111,46	664,28	1.000	111,46	37.817,89	0,89		
	2nd	5	32.130,00			34.312,11	857,80	512,68	700	157,80	25.817,89	0,61		
	3rd	7	22.950,00			25.132,11	628,30	375,51	500	128,30	17.817,89	0,42		
	4th	8,8	18.255,68	-2,93	2.182,11	20.437,80	510,94	305,37	400	110,94	13.817,89	0,33	0,45	42,16
	5th	11,6	13.849,14			16.031,25	400,78	239,53	300	100,78	9.817,89	0,23		
	6th	14,2	11.313,38			13.495,50	337,39	201,64	300	37,39	9.817,89	0,23		
	1st	3,8	42.276,32			35.294,58	882,36	527,36	700	182,36	34.981,74	0,83		
	2nd	5	32.130,00			25.148,26	628,71	375,76	500	128,71	26.981,74	0,64		
	3rd	7	22.950,00			15.968,26	399,21	238,59	300	99,21	18.981,74	0,45		
	4th	8,8	18.255,68	0,37	6.981,74	11.273,94	281,85	168,45	200	81,85	14.981,74	0,35	0,46	43,11
	5th	11,6	13.849,14			6.867,40	171,69	102,61	100	71,69	10.981,74	0,26		
	6th	14,2	11.313,38			4.331,64	108,29	64,72	90	18,29	10.581,74	0,25		



LAMPIRAN 8
PERHITUNGAN KONSUMSI BAHAN BAKAR (LITER/JAM)
HASIL RENCANA PERBAIKAN GEOMETRI
JALAN ANGKUT



Tabel 8.1. Perhitungan konsumsi bahan bakar (liter/jam) berdasarkan rencana perbaikan geometri jalan pada rute bermuatan

Segmen Jalan	Gear	Kecepatan (mph)	Rimpull (lbs)	Grade (%)	Total Tahanan (lbs)	Perhitungan Sisa Rimpull (lbs)	Sisa Rimpull (lbs/ton)	Percepatan (mph/min)	Rimpull yang Dibutuhkan untuk Percepatan (lbs/ton)	Sisa Rimpull Setelah Percepatan (lbs/ton)	Rimpull Terpakai (lbs)	Load Factor	Load Factor Rata-rata	Konsumsi Bahan Bakar (Liter/Jam)
A-B	1st	3,8	42.276,32	-0,37	16.256,15	26.020,16	396,65	237,06	300	96,65	35.936,15	0,85	0,62	57,81
	2nd	5	32.130,00			15.873,85	241,98	144,62	200	41,98	29.376,15	0,69		
	3rd	7	22.950,00			6.693,85	102,04	60,99	90	12,04	22.160,15	0,52		
	4th	8,8	18.255,68			1.999,53	30,48	18,22	20	10,48	17.568,15	0,42		
	5th	11,6	13.849,14			-2.407,02								
	6th	14,2	11.313,38											
B-C	1st	3,8	42.276,32	2,93	17.038,73	25.237,59	384,72	229,93	300	84,72	36.718,73	0,87	0,63	58,81
	2nd	5	32.130,00			15.091,27	230,05	137,49	200	30,05	30.158,73	0,71		
	3rd	7	22.950,00			5.911,27	90,11	53,86	80	10,11	22.286,73	0,53		
	4th	8,8	18.255,68			1.216,96	18,55	11,09	10	8,55	17.694,73	0,42		
	5th	11,6	13.849,14			-3.189,59								
	6th	14,2	11.313,38											
C-D	1st	3,8	42.276,32	12,00	28.035,54	14.240,78	217,09	129,74	100	117,09	34.595,54	0,82	0,78	72,55
	2nd	5	32.130,00			4.094,46	62,42	37,30	50	12,42	31.315,54	0,74		
	3rd	7	22.950,00			-5.085,54								
	4th	8,8	18.255,68											
	5th	11,6	13.849,14											
	6th	14,2	11.313,38											
D-E	1st	3,8	42.276,32	6,54	28.123,43	14.152,88	215,75	128,94	100	115,75	34.683,43	0,82	0,78	72,74
	2nd	5	32.130,00			4.006,57	61,08	36,50	50	11,08	31.403,43	0,74		
	3rd	7	22.950,00			-5.173,43								
	4th	8,8	18.255,68											
	5th	11,6	13.849,14											
	6th	14,2	11.313,38											
	1st	3,8	42.276,32	7,39	18.054,21	24.222,11	369,24	220,68	300	69,24	37.734,21	0,89	0,61	56,35
	2nd	5	32.130,00			14.075,79	214,57	128,24	100	114,57	24.614,21	0,58		
	3rd	7	22.950,00			4.895,79	74,63	44,60	60	14,63	21.990,21	0,52		
	4th	8,8	18.255,68			201,47	3,07	1,84	0	3,07	18.054,21	0,43		
	5th	11,6	13.849,14			-4.205,07								
	6th	14,2	11.313,38											
	3,8	42.276,32		5,12	15.201,68	27.074,64	412,72	246,67	300	112,72	34.881,68	0,83	0,60	56,21
	5	32.130,00				16.928,32	258,05	154,23	200	58,05	28.321,68	0,67		
	7	22.950,00				7.748,32	118,11	70,59	100	18,11	21.761,68	0,51		



Segmen Jalan	Gear	Kecepatan (mph)	Rimpull (lbs)	Grade (%)	Total Tahanan (lbs)	Perhitungan Sisa Rimpull (lbs)	Sisa Rimpull (lbs/ton)	Percepatan (mph/min)	Rimpull yang Dibutuhkan untuk Percepatan (lbs/ton)	Sisa Rimpull Setelah Percepatan (lbs/ton)	Rimpull Terpakai (lbs)	Load Factor	Load Factor Rata-rata	Konsumsi Bahan Bakar (Liter/Jam)
	4th	8,8	18.255,68			3.054,00	46,55	27,82	30	16,55	17.169,68	0,41		
	5th	11,6	13.849,14			-1.352,54								
	6th	14,2	11.313,38											
G-H	1st	3,8	42.276,32			25.756,25	392,63	234,66	300	92,63	36.200,06	0,86		
	2nd	5	32.130,00			15.609,94	237,96	142,22	100	137,96	23.080,06	0,55		
	3rd	7	22.950,00			6.429,94	98,02	58,58	80	18,02	21.768,06	0,51		
	4th	8,8	18.255,68	8,00	16.520,06	1.735,62	26,46	15,81	20	6,46	17.832,06	0,42	0,58	54,42
	5th	11,6	13.849,14			-2.670,93								
	6th	14,2	11.313,38											
H-I	1st	3,8	42.276,32			27.878,39	424,98	253,99	300	124,98	34.077,92	0,81		
	2nd	5	32.130,00			17.732,08	270,31	161,55	200	70,31	27.517,92	0,65		
	3rd	7	22.950,00			8.552,08	130,37	77,92	100	30,37	20.957,92	0,50		
	4th	8,8	18.255,68	6,71	14.397,92	3.857,76	58,81	35,15	50	8,81	17.677,92	0,42	0,59	55,16
	5th	11,6	13.849,14			-548,78								
	6th	14,2	11.313,38											
I-J	1st	3,8	42.276,32			19.369,49	295,27	176,47	200	95,27	36.026,83	0,85		
	2nd	5	32.130,00			9.223,17	140,60	84,03	100	40,60	29.466,83	0,70		
	3rd	7	22.950,00			43,17	0,66	0,39	0	0,66	22.906,83	0,54		
	4th	8,8	18.255,68	12,00	22.906,83	-4.651,15							0,70	64,87
	5th	11,6	13.849,14											
	6th	14,2	11.313,38											
J-K	1st	3,8	42.276,32			25.355,26	386,51	231,01	300	86,51	36.601,05	0,87		
	2nd	5	32.130,00			15.208,95	231,84	138,56	200	31,84	30.041,05	0,71		
	3rd	7	22.950,00			6.028,95	91,90	54,93	80	11,90	22.169,05	0,52		
	4th	8,8	18.255,68	9,00	16.921,05	1.334,63	20,34	12,16	10	10,34	17.577,05	0,42	0,63	58,55
	5th	11,6	13.849,14			-3.071,91								
	6th	14,2	11.313,38											
	1st	3,8	42.276,32			21.663,25	330,23	197,37	200	130,23	33.733,07	0,80		
	2nd	5	32.130,00			11.516,93	175,56	104,93	100	75,56	27.173,07	0,64		
	3rd	7	22.950,00			2.336,93	35,62	21,29	30	5,62	22.581,07	0,53		
	4th	8,8	18.255,68	10,00	20.613,07	-2.357,39							0,66	61,26
	5th	11,6	13.849,14											
	6th	14,2	11.313,38											



Tabel 8.1. Perhitungan konsumsi bahan bakar (liter/jam) berdasarkan rencana perbaikan geometri jalan pada rute tidak bermuatan

Segmen Jalan	Gear	Kecepatan (mph)	Rimpull (lbs)	Grade (%)	Total Tahanan (lbs)	Perhitungan Sisa Rimpull (lbs)	Sisa Rimpull (lbs/ton)	Percepatan (mph/min)	Rimpull yang Dibutuhkan untuk Percepatan (lbs/ton)	Sisa Rimpull Setelah Percepatan (lbs/ton)	Rimpull Terpakai (lbs)	Load Factor	Load Factor Rata-rata	Konsumsi Bahan Bakar (Liter/Jam)
L-K	1st	3,8	42.276,32	-10,00	-6.958,41	35.317,91	882,95	527,71	700	182,95	34.958,41	0,83	0,46	43,06
	2nd	5	32.130,00			25.171,59	629,29	376,10	500	129,29	26.958,41	0,64		
	3rd	7	22.950,00			15.991,59	399,79	238,94	300	99,79	18.958,41	0,45		
	4th	8,8	18.255,68			11.297,27	282,43	168,80	200	82,43	14.958,41	0,35		
	5th	11,6	13.849,14			6.890,73	172,27	102,96	100	72,27	10.958,41	0,26		
	6th	14,2	11.313,38			4.354,97	108,87	65,07	90	18,87	10.558,41	0,25		
K-J	1st	3,8	42.276,32	-9,00	-5.845,96	36.430,35	910,76	544,33	800	110,76	37.845,96	0,90	0,45	42,22
	2nd	5	32.130,00			26.284,04	657,10	392,73	500	157,10	25.845,96	0,61		
	3rd	7	22.950,00			17.104,04	427,60	255,56	300	127,60	17.845,96	0,42		
	4th	8,8	18.255,68			12.409,72	310,24	185,42	200	110,24	13.845,96	0,33		
	5th	11,6	13.849,14			8.003,18	200,08	119,58	100	100,08	9.845,96	0,23		
	6th	14,2	11.313,38			5.467,42	136,69	81,69	100	36,69	9.845,96	0,23		
J-I	1st	3,8	42.276,32	-12,00	-6.954,44	35.321,88	883,05	527,77	700	183,05	34.954,44	0,83	0,46	43,05
	2nd	5	32.130,00			25.175,56	629,39	376,16	500	129,39	26.954,44	0,64		
	3rd	7	22.950,00			15.995,56	399,89	239,00	300	99,89	18.954,44	0,45		
	4th	8,8	18.255,68			11.301,25	282,53	168,86	200	82,53	14.954,44	0,35		
	5th	11,6	13.849,14			6.894,70	172,37	103,02	100	72,37	10.954,44	0,26		
	6th	14,2	11.313,38			4.358,94	108,97	65,13	90	18,97	10.554,44	0,25		
I-H	1st	3,8	42.276,32	-6,71	-3.456,87	38.819,45	970,49	580,03	800	170,49	35.456,87	0,84	0,46	42,83
	2nd	5	32.130,00			28.673,13	716,83	428,42	600	116,83	27.456,87	0,65		
	3rd	7	22.950,00			19.493,13	487,33	291,26	400	87,33	19.456,87	0,46		
	4th	8,8	18.255,68			14.798,82	369,97	221,12	300	69,97	15.456,87	0,37		
	5th	11,6	13.849,14			10.392,27	259,81	155,28	200	59,81	11.456,87	0,27		
	6th	14,2	11.313,38			7.856,51	196,41	117,39	100	96,41	7.456,87	0,18		
	1st	3,8	42.276,32	-8,00	-4.490,47	37.785,85	944,65	564,58	800	144,65	36.490,47	0,86	0,48	45,11
	2nd	5	32.130,00			27.639,53	690,99	412,98	600	90,99	28.490,47	0,67		
	3rd	7	22.950,00			18.459,53	461,49	275,82	400	61,49	20.490,47	0,48		
	4th	8,8	18.255,68			13.765,22	344,13	205,67	300	44,13	16.490,47	0,39		
	5th	11,6	13.849,14			9.358,67	233,97	139,83	200	33,97	12.490,47	0,30		
	6th	14,2	11.313,38			6.822,91	170,57	101,95	100	70,57	8.490,47	0,20		
	3,8	42.276,32	-10,00	-6.680,68	25.449,32	35.595,64	889,89	531,86	800	89,89	38.680,68	0,91	0,47	44,06
	5	32.130,00				25.449,32	636,23	380,25	500	136,23	26.680,68	0,63		



Segmen Jalan	Gear	Kecepatan (mph)	Rimpull (lbs)	Grade (%)	Total Tahanan (lbs)	Perhitungan Sisa Rimpull (lbs)	Sisa Rimpull (lbs/ton)	Percepatan (mph/min)	Rimpull yang Dibutuhkan untuk Percepatan (lbs/ton)	Sisa Rimpull Setelah Percepatan (lbs/ton)	Rimpull Terpakai (lbs)	Load Factor	Load Factor Rata-rata	Konsumsi Bahan Bakar (Liter/Jam)
	3rd	7	22.950,00			16.269,32	406,73	243,09	300	106,73	18.680,68	0,44		
	4th	8,8	18.255,68			11.575,00	289,38	172,95	200	89,38	14.680,68	0,35		
	5th	11,6	13.849,14			7.168,46	179,21	107,11	100	79,21	10.680,68	0,25		
	6th	14,2	11.313,38			4.632,70	115,82	69,22	100	15,82	10.680,68	0,25		
F-E	1st	3,8	42.276,32			40.821,12	1.020,53	609,93	900	120,53	37.455,20	0,89		
	2nd	5	32.130,00			30.674,80	766,87	458,33	600	166,87	25.455,20	0,60		
	3rd	7	22.950,00	-3,48	-1.455,20	21.494,80	537,37	321,17	400	137,37	17.455,20	0,41	0,44	41,36
	4th	8,8	18.255,68			16.800,48	420,01	251,03	300	120,01	13.455,20	0,32		
	5th	11,6	13.849,14			12.393,94	309,85	185,19	200	109,85	9.455,20	0,22		
	6th	14,2	11.313,38			9.858,18	246,45	147,30	200	46,45	9.455,20	0,22		
E-D	1st	3,8	42.276,32			37.350,76	933,77	558,08	800	133,77	36.925,56	0,87		
	2nd	5	32.130,00			27.204,44	680,11	406,48	600	80,11	28.925,56	0,68		
	3rd	7	22.950,00	-6,54	4.925,56	18.024,44	450,61	269,31	400	50,61	20.925,56	0,49	0,49	46,07
	4th	8,8	18.255,68			13.330,12	333,25	199,17	300	33,25	16.925,56	0,40		
	5th	11,6	13.849,14			8.923,58	223,09	133,33	200	23,09	12.925,56	0,31		
	6th	14,2	11.313,38			6.387,82	159,70	95,44	100	59,70	8.925,56	0,21		
D-C	1st	3,8	42.276,32			36.643,80	916,10	547,52	800	116,10	37.632,51	0,89		
	2nd	5	32.130,00			26.497,49	662,44	395,92	500	162,44	25.632,51	0,61		
	3rd	7	22.950,00	-12,00	-5.632,51	17.317,49	432,94	258,75	300	132,94	17.632,51	0,42	0,45	41,75
	4th	8,8	18.255,68			12.623,17	315,58	188,61	200	115,58	13.632,51	0,32		
	5th	11,6	13.849,14			8.216,63	205,42	122,77	100	105,42	9.632,51	0,23		
	6th	14,2	11.313,38			5.680,87	142,02	84,88	100	42,02	9.632,51	0,23		
C-B	1st	3,8	42.276,32			44.458,43	1.111,46	664,28	1.000	111,46	37.817,89	0,89		
	2nd	5	32.130,00			34.312,11	857,80	512,68	700	157,80	25.817,89	0,61		
	3rd	7	22.950,00	-2,93	2.182,11	25.132,11	628,30	375,51	500	128,30	17.817,89	0,42	0,45	42,16
	4th	8,8	18.255,68			20.437,80	510,94	305,37	400	110,94	13.817,89	0,33		
	5th	11,6	13.849,14			16.031,25	400,78	239,53	300	100,78	9.817,89	0,23		
	6th	14,2	11.313,38			13.495,50	337,39	201,64	300	37,39	9.817,89	0,23		
1st	3,8	42.276,32				35.294,58	882,36	527,36	700	182,36	34.981,74	0,83		
	5	32.130,00				25.148,26	628,71	375,76	500	128,71	26.981,74	0,64		
	7	22.950,00				15.968,26	399,21	238,59	300	99,21	18.981,74	0,45	0,46	43,11
	8,8	18.255,68		0,37	6.981,74	11.273,94	281,85	168,45	200	81,85	14.981,74	0,35		
	11,6	13.849,14				6.867,40	171,69	102,61	100	71,69	10.981,74	0,26		
	14,2	11.313,38				4.331,64	108,29	64,72	90	18,29	10.581,74	0,25		



KARTU KONSULTASI TUGAS AKHIR

JUDUL : EVALUASI *FUEL RATIO ARTICULATED* CAT 745 BERDASARKAN GEOMETRI JALAN ANGKUT RT HILLCONJAYA SAKTI SITE PT ADHI KARTIKO PRATAMA Tbk

TANGGAL	MATERI KONSULTASI	PARAF DOSEN
27 Maret 2024	- Perbaiki susunan latar belakang - Tambahkan border pada gambar - Perbaiki kalimat rujukan dengan gambar pada Bab 4 - Ganti jurnal diatas 10 tahun pada daftar pustaka	
17 April 2024	- Sesuaikan format etiket peta pada lampiran sesuai dengan pedoman pembuatan etiket	
24 April 2024	- ACC untuk seminar hasil	
3 Mei 2024	- Perbaiki judul sesuai dengan jumlah kata berdasarkan ketentuan. - Ganti penggunaan istilah 'kosongan'. - Hilangkan penggunaan kata penghubung pada awal kalimat. - Sesuaikan jumlah kata dalam abstrak sesuai ketentuan. - Periksa kembali daftar pustaka yang tidak tertera dalam tubuh teks ataupun sebaliknya. - Pada bagian hasil evaluasi, berikan perbandingan antara kondisi aktual dengan hasil analisis. - Tambahkan spasi (tab) setiap awal paragraf.	
8 Mei 2024	- Tambahkan keterangan terkait ketentuan atau syarat variabel berpengaruh signifikan terhadap konsumsi bahan bakar pada kesimpulan kedua.	
17 Mei 2024	- ACC untuk sidang tutup	
7 Juni 2024	- Tambahkan lokasi yang spesifik pada peta - Istilah rute muatan diganti rute bermuatan - Konsumsi bahan bakar menjadi liter/rute pada bagian liter/ritase pada bagian konsumsi bahan bakar setiap segmen jalan - Setiap hasil penelitian diberikan penjelasan sendiri tentang kaitannya dengan pengaruh konsumsi bahan bakar - Tambahkan hipotesis penelitian	
12 Juni 2024	- Tambahkan tabel yang memuat seluruh hasil penelitian	
21 Juni 2024	- Perbaiki indeks peta	
24 Juni 2024	- ACC	