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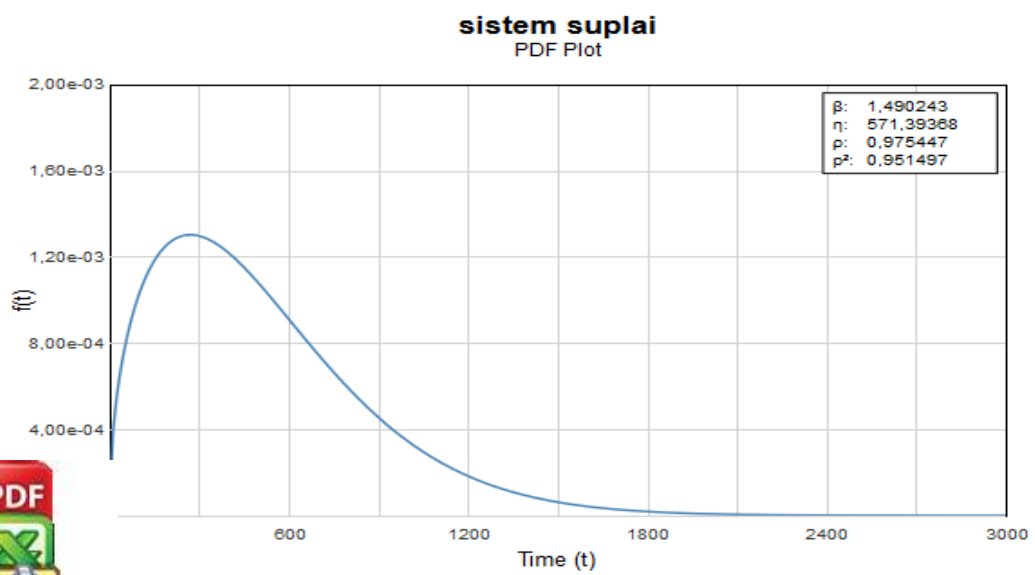
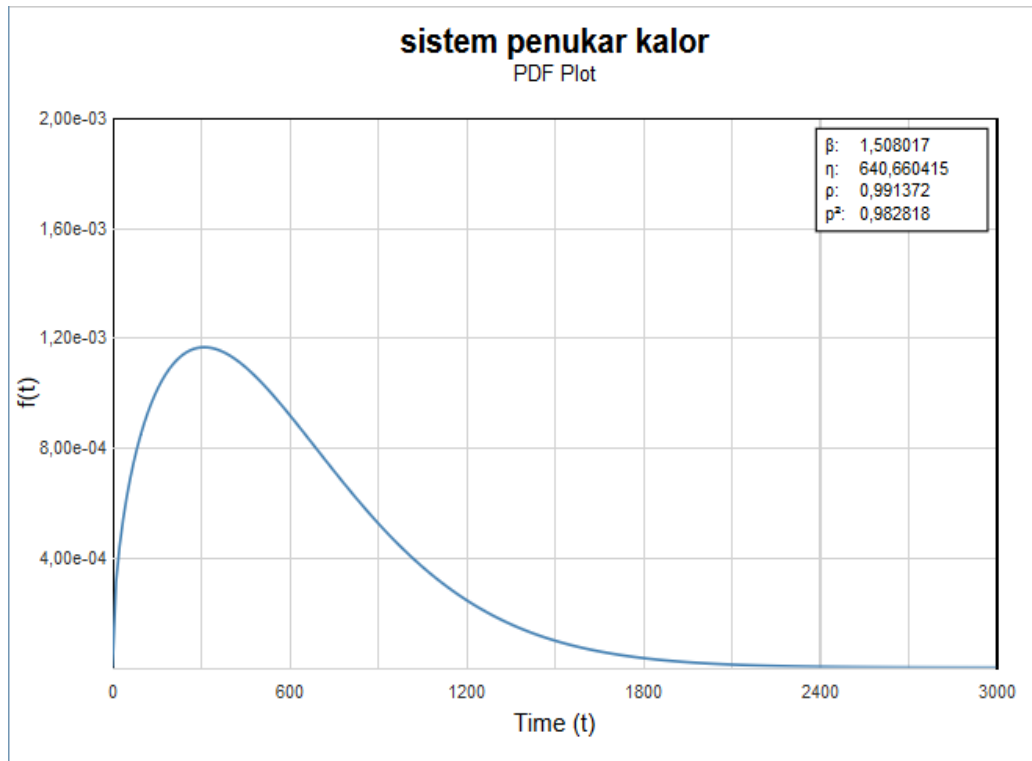
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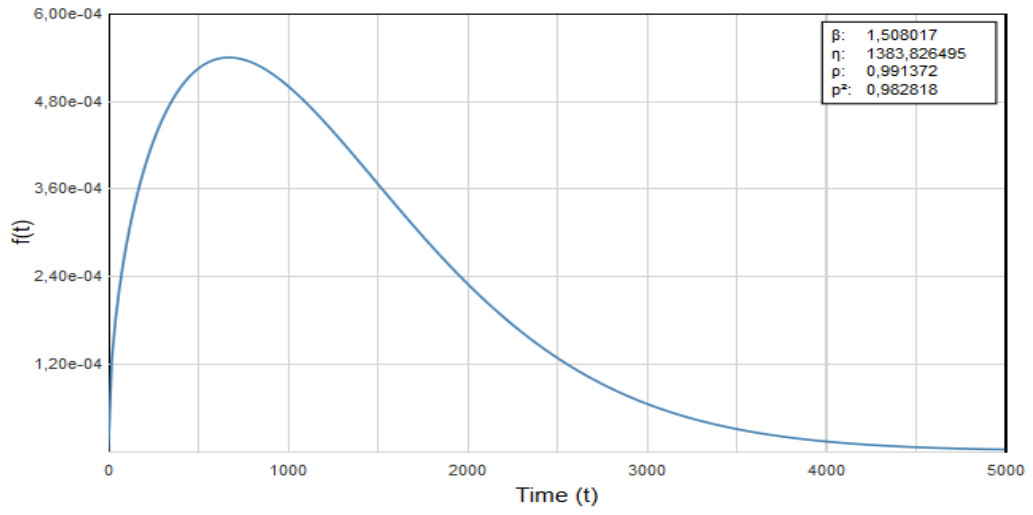
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LAMPIRAN



sea water pump PDF Plot

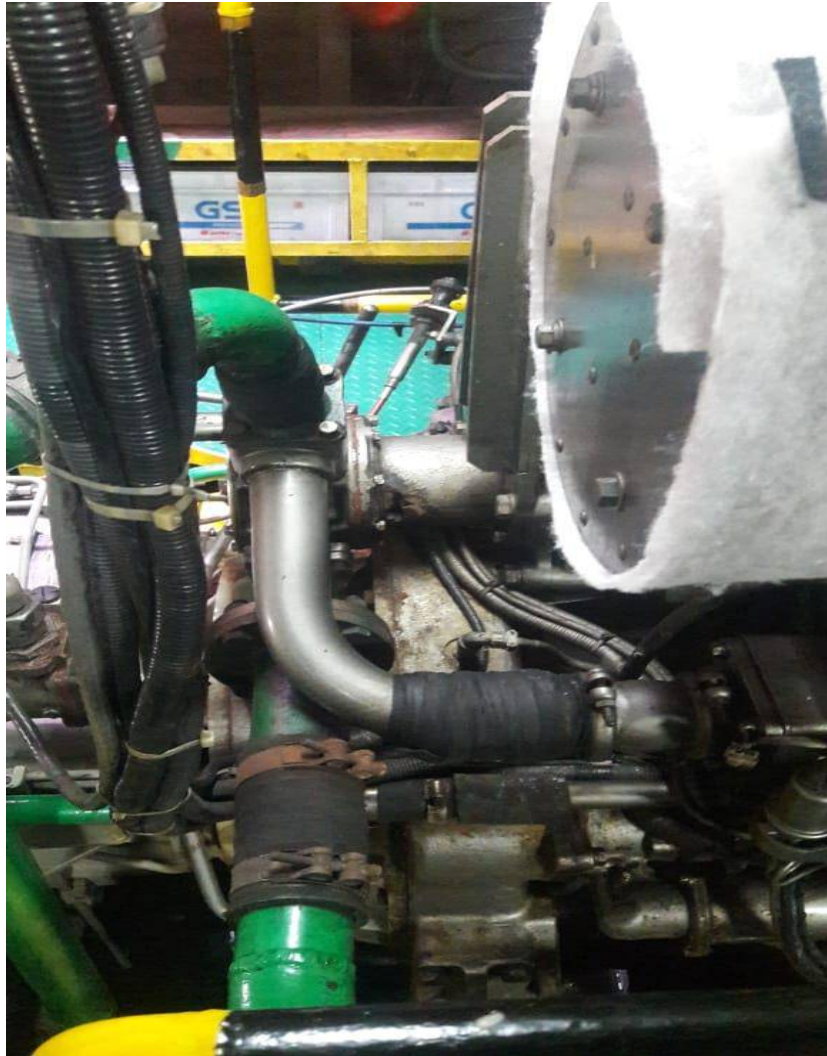




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ke
2020

Tipe Mesin	Tipe Bahan Bakar	Tekanan pressure kg/cm ²		Motor bantu/generator auxiliary engine				Masinis Jaga engineer on duty	KETERANGAN LAIN-LAIN others remarks
		Air pendingin silinder cylinder cooling water	Air tawar sea water	Jam kerja running hours	Tekanan minyak lube oil pressure	Suhu air pendingin cooling water temp.	Volts		
				1/2	h=	70	220	30	At jalan normal efk aman
				1/2	h=	70	220	30	START At I STOP At I At jalan normal efk aman
				1/2	h=	70	220	30	At jalan normal efk aman
				1/2	h=	70	220	30	At jalan normal efk aman
				1/2	h=	70	220	30	START At I STOP At I Cleaning engine room At jalan normal efk aman
				1/2	h=	70	220	30	At jalan normal efk aman

Pemakaian dalam 24 jam consumption in 24 hours			
Bahan Bakar FO (kg)	Bahan Bakar DO (kg)	Minyak Lunas (kg)	Minyak Silinder (kg)
16.327		56	
16.325		56	
16.325		56	

Ditanda - tangani oleh :
Signed by
Kepala Kamar Mesin
Chief Engineer
Omi Murwan



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Berlayar di
sailing at
Pada hari
day

Selasa

Waktu - Jaga watch hours	Jam kerja motor induk main engine running hours	Putaran / menit rotation per minute	Pemeriksaan putaran rotation counter	Posisi handel bahan bakar fuel handle position	Suhu temperature												Gas buang exhaust gas	Bak penampung oil tank	Air laut
					Pendingin coolers				Air tawar pendingin cylinder cylinder cooling water										
					minyak kelapas lub oil		air tawar f. water		keluar cylinder No outlet cylinder no										
					masuk inlet	keluar outlet	masuk inlet	keluar outlet	1	2	3	4	5	6	7	8			
Malam - hari Middle watch 00.00 - 04.00	4	1300	4.0	67 68	76 75	37 38	64 65	71 74	72 74	73 72	76 78	74 80	79 82	81 84	82 84	83 83	84 83	85 83	
Dini - hari Morning watch 04.00 - 08.00	4	1300	4.2	67 68	75 72	36 30	65 65	76 78	75 80	79 76	77 74	76 79	80 84	83 86	85 82	84 82	84 82	85 83	
Pagi - hari Forenoon watch 08.00 - 12.00	4	1300	4.0	67 68	75 75	36 38	64 65	76 78	78 81	79 76	79 74	78 79	80 82	81 85	82 84	83 84	84 83	85 83	
Siang - hari Afternoon watch 12.00 - 16.00	4	1300	4.2	67 68	75 75	36 38	64 65	76 76	78 80	79 75	77 74	76 79	80 82	81 85	82 84	83 82	84 83	85 83	
Petang - hari Dog watch 16.00 - 20.00	4	1300	4.2	67 68	76 75	37 38	65 65	70 74	76 76	77 77	79 79	72 78	71 80	81 83	82 82	83 82	84 83	85 83	
Malam - hari First watch 20.00 - 24.00	4	1300	4.2	67 68	75 75	37 30	64 65	70 74	76 76	77 78	79 72	71 78	81 80	82 83	83 83	84 83	85 83	86 83	

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Mengetahui
acknowledge

Nakhoda
master

Jumlah jam putaran motor pada jam 12.00 tanggal Total running hours of engines at 12.00 hours		
	Pembaikan repair	Pada running
Motor induk kiri main engine P.5	24	22.5
Motor induk kanan main engine S.B	24	22.5
Generator No. 1 generator no. 1	12	4.5
Generator No. 2 generator no. 2	12	4.5
Kompresor Udara air compressor		
Lain-lain others		



Berlayar di Jat Jawa
 Pada hari Rabu

Dari
 Tanggal

Waktu - Jaga waktu jaga	Jam kerja motor induk main engine running hours	Putaran / menit revolutions per minute	Perunjukkan putaran revolution counter	Proses / keadaan bahan bakar fuel handling condition	Suhu temperature														
					Pendingin coolers				Air tawar pendingin cylinder cylinder cooling water						Gas buang exhaust gas				
					masuk inlet		keluar outlet		masuk inlet		keluar outlet		masuk inlet		keluar outlet				
					1	2	3	4	1	2	3	4	1	2	3	4			
Larut - Malam 03.00 - 04.00	4	1300	42		60	26	50	64	71	73	72	75	76	78	79	80	81	84	89
Dini - hari Meninggal 04.00 - 06.00	4	1300	42		60	25	50	63	74	75	76	78	79	81	81	85	84	89	
Pagi - hari Fotocopy akash 08.00 - 12.00	4	1300	42		60	27	50	65	71	73	72	76	78	78	80	83	86	88	
Siang - hari Afternoon watch 12.00 - 16.00	4	1300	42		60	28	50	65	71	73	72	76	78	78	80	83	86	88	
Petang - hari Dor 16.00 - 20.00	4	1300	42		60	28	50	65	71	73	72	76	78	78	80	83	86	88	
Malam - hari First watch 20.00 - 24.00	4	1300	42		60	28	50	65	71	73	72	76	78	78	80	83	86	88	

Mengetahui
acknowledge
Nakhoda
master

Jumlah jam putaran motor pada jam 12.00 tengah hari total running hours of engines at 12.00 hours		
	Pembetulan repar	Pembetulan repar
Motor induk kiri main engine P.S.	24	246
Motor induk kanan main engine S.B.	24	246
Generator No. 1 generator no. 1	12	489
Generator No. 2 generator no. 2	12	489
Kompresor Udara air compressor		
Lain-lain others		



20 FEBRUARI 2020

No	Uraian Pekerjaan	Tekanan (pressure)		Motor Diesel/generator (auxiliary engine)		Masiois Jaga (engine on duty)	KETERANGAN LAIN-LAIN (OTHER REMARKS)
		kg/cm ²	kg/cm ²	rpm	rpm		
	Air pendingin silinder (cooling water)						di jaga normal di on
	Minyak lumpur (lubricating oil)						Start di / stop di / di jaga normal di on
	Udara tibia (sucking air)						di jaga normal di on
	Jam kerja (running hours)						di jaga normal di on
	Tekanan minyak (oil of pressure)						Start di / stop di / di jaga normal di on
	Suhu air pendingin (cooling water temp)						di jaga normal di on
	Volts						di jaga normal di on
	Ampere						di jaga normal di on

Pemakaian Bahan 24 jam (consumption in 24 hours)

	Bahan Bakar FO (Fuel oil)	Bahan Bakar DO (Diesel oil)	Masa kerja (hr)	Masa hidup (hr)
	16 417		56	
	96			
	16 321		56	
	16 321		56	

Ditanda - tangani oleh (Signed by)

Kepala Kamar Mesin (Chief Engineer)

[Signature]



KUMILAI - P. Banteng ke Kota Baru
12 FEBRUARI 2010

No	Blok pendingin cooling block	Air laut sea water	Tekanan pressure kg/cm ²		Motor bantu/generator auxiliary engine			Masa Jaga engine on duty	KETERANGAN LAIN-LAIN OTHER REMARKS	
			Air pendingin silinder cylinder cooling water	Minyak lubas lubricating oil	Udara bilas scavenging air	Jam kerja running hours	Tekanan minyak lub oil pressure			Suhu air pendingin cooling water temp
63	37		20	32	I				M/E p.s jalan normal A/E jalan normal B/A Aman	
64	37		29	38	4	4e	70	220	30	
65	38		20	38	1/2	4.2	70	200	30	START AT 1 STOP AT 1 Cool oil at 1 Cool oil floor ja - block 20 cleaning engine room
64	37		29	39	1/2					
64	38		29	41	I					TRANSFER FO TO DAIRY 74 M/E p.s jalan normal A/E jalan normal B/A Aman
65	40		31	42	4	4.2	70	220	30	
69	39		29	41	II					Transfer FO TO DAIRY 74 M/E p.s jalan normal A/E jalan normal B/A Aman
65	40		31	44	4	4e	70	220	30	
64	38		28	38	1/2	4.2	70	200	30	START AT 1 STOP AT 1 M/E p.s jalan normal A/E jalan normal B/A Aman
65	39		30	39	1/2					
65	39		28	41	II					TRANSFER FO TO DAIRY 74 M/E p.s jalan normal A/E jalan normal B/A Aman
65	38		29	42	4	4.2	70	220	30	

	Pemakaian dalam 24 jam consumption in 24 hours			
	Bahan Bakar FO fuel oil	Bahan Bakar DO diesel oil	Minyak Lemas lub oil	Minyak Silinder oil
Bahan Bakar FO	12.201		52	
Bahan Bakar DO	2.309			
Minyak Lemas	96		15	
Minyak Silinder	9.977		37	
Jumlah	9.977		37	

Ditanda-tangani oleh:
Signed by
Kepala Kamar Mesin
Chief Engineer
Dedi Purwati

