

M/V Chenega Sea Log (Page 1 of 2)

Propulsion (Engines)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3
Engine Speed (rpm) -ECJ-	1893	0	1882	1892	Engine Speed (rpm) -EMU-	1892	0	1884	1893	ETC Speed 1 (A1) (krpm)	52.0	0.0	51.7	51.6	ME3	
Running Hours (hrs)	760	0	841	820	Raw Water Pressure (bar)	3.4	0.0	3.4	3.4	ETC Speed 2 (B1) (krpm)	51.9	0.0	51.9	52.5		
Coolant Temperature (°C) -ECJ-	81.1	0.0	82.8	80.9	Coolant Pressure (bar)	5.6	0.0	5.5	5.8	ETC Speed 3 (A2) (krpm)	51.9	0.0	52.1	52.1		
Coolant Temperature (°C) -EMU-	80.7	0.0	82.1	80.3	Lube Oil Pressure (bar) -ECJ-	7.2	0.0	7.3	7.0	ETC Speed 4 (B2) (krpm)	51.7	0.0	52.1	51.9		
Lube Oil Temperature (°C)	73.6	0.0	75.1	73.7	Lube Oil Pressure (bar) -EMU-	7.3	0.0	7.4	7.0	Pre ETC 1 (A1) Exhaust Temp (°C)	585.2	0.0	583.3	581.1		
Fuel Temperature (°C)	40.7	0.0	49.9	45.2	Lube Oil Before Ftr Pressure (bar)	7.7	0.0	7.4	7.5	Pre ETC 2 (B1) Exhaust Temp (°C)	582.4	0.0	571.0	570.7		
Intake Air Temperature (°C)	27.7	0.0	25.1	25.7	Lube Oil Filter Diff Pressure (bar)	0.4	0.0	0.4	0.3	Pre ETC 3 (A2) Exhaust Temp (°C)	636.0	0.0	640.7	636.0		
Charge Air Temperature (°C)	52.4	0.0	52.6	52.6	Fuel Oil Pressure (bar)	7.0	0.0	7.1	7.3	Pre ETC 4 (B2) Exhaust Temp (°C)	611.9	0.0	819.2	812.7		
Charge Air Seq Ctrl Vlv Temp (°C)	166.5	0.0	168.8	169.8	Fuel Oil Before Ftr Pressure (bar)	7.7	0.0	7.4	7.5	Mean Exhaust Temp (°C)	546	0	554	547		
Fuel Consumption (ECU Est.) (l/hr)	815	0	815	825	Fuel Oil Filter Diff Pressure (bar)	0.8	0.0	0.3	0.2	Mean Exhaust Temp (°C)	546	0	554	547		
Load (% of DBR)	88.9	0.0	88.5	88.4	Crank Case Pressure (mbar)	-7.70	0.00	-5.32	-6.37	Mean Main Bearing Temp (°C)	104.4	0.0	108.7	105.7		
WaterJet Shaft RPM	670	0	666	668	Charge Air Pressure (bar)	3.5	0.0	3.5	3.5	Mean Bearing Splash Oil Temp (°C)	89.9	0.0	91.9	89.9		
					Start Air Pressure (bar)	8.1	0.0	8.2	8.2	Red Gear Control Oil Pressure (bar)	24.1	0.0	24.7	23.7		
										Red Gear Oil Temperature (°C)	62.7	0.0	59.9	59.0		

Propulsion (WaterJets)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3
Reversing Hydraulic Oil Pressure	OK	OK	OK	OK	Lube Oil Pressure	OK	OK	OK	Lube Oil Pressure	OK	OK	OK
Steering Hydraulic Oil Pressure	OK	OK	OK	OK	Lube Oil Level	OK	OK	OK	Lube Oil Level	OK	OK	OK

Power Management

	SSDG4	SSDG2	SSDG1	SSDG3	Shore1	Shore2	SSDG4	SSDG2	SSDG1	SSDG3	
Voltage (V)	478.1	0.0	0.0	479.0	0.0	0.0	Lube Oil Pressure (bar)	3.2	-0.3	0.1	3.2
Current (A)	93.8	0.0	0.0	93.8	0.0	0.0	Jacket Water Temperature (°C)	66.6	59.1	58.4	75.6
Power (KW)	58.5	0.0	0.0	62.0	0.0	0.0	Exhaust Temperature (°C)	270.9	43.8	75.6	284.3
Power Factor	-0.75	1.00	1.00	-0.79			Winding A Temperature (°C)	53.0	37.0	60.2	58.0
Frequency (Hz)	60.0	0.0	0.0	60.0			Winding B Temperature (°C)	56.5	36.9	50.0	57.8
Starting Battery Voltage (V)	26.6	27.2	26.8	26.8			Winding C Temperature (°C)	52.9	36.0	49.3	57.0
Engine Hours	14888	15369	15809	15721	Tie Breaker State:	Closed	Unreq Close				

Miscellaneous

	PORT	STBD	PORT	STBD
Fuel Oil Tank	gal 3765	% 54.5	gal 3586	% 51.9
Lube Oil Tank	gal 104	% 56.0	gal 123	% 86.6
Fuel Oil Service Tank Level	OK	OK	OK	OK
SW Flushing Pressure (bar)	Forward 2.8	Aft 3.0		

Comments Lever: 9.3 S.O.G.: 30.4 S.T.W.: 28.9 Wind Spd: 10 Wind Dir: 000 Seas: 1'0" M.D.: 7'0"
Route: SIT - JNU
Date/Time: 08/24/15 14:46:07
Signature: *Robert Rankin*



M/V Chenega Sea Log (Page 2 of 2)

Propulsion (Engines)

Exhaust Temperatures	ME4	ME2	ME1	ME3	Main Bearing Temperatures	ME4	ME2	ME1	ME3	Con Rod Bearing / Piston Cooling Splash Oil Temperatures	ME4	ME2	ME1	ME3
Cylinder A1 (°C)	544	0	565	549	Bearing 1 (°C)	101.0	0.0	102.7	102.8	1 (°C)	98.8	0.0	91.6	99.7
Cylinder A2 (°C)	552	0	550	549	Bearing 2 (°C)	107.4	0.0	112.4	109.2	2 (°C)	90.3	0.0	92.0	90.5
Cylinder A3 (°C)	540	0	549	541	Bearing 3 (°C)	108.5	0.0	114.3	110.1	3 (°C)	91.1	0.0	92.9	91.2
Cylinder A4 (°C)	549	0	553	539	Bearing 4 (°C)	110.4	0.0	113.9	112.0	4 (°C)	90.1	0.0	92.4	89.9
Cylinder A5 (°C)	536	0	544	557	Bearing 5 (°C)	105.1	0.0	108.5	105.4	5 (°C)	89.4	0.0	91.8	89.5
Cylinder A6 (°C)	553	0	557	538	Bearing 6 (°C)	105.3	0.0	109.0	105.9	6 (°C)	90.0	0.0	92.1	88.7
Cylinder A7 (°C)	540	0	563	551	Bearing 7 (°C)	103.6	0.0	109.1	105.3	7 (°C)	90.5	0.0	92.8	90.8
Cylinder A8 (°C)	559	0	572	562	Bearing 8 (°C)	106.0	0.0	111.8	107.8	8 (°C)	90.6	0.0	91.7	90.2
Cylinder A9 (°C)	558	0	549	539	Bearing 9 (°C)	103.6	0.0	106.6	105.8	9 (°C)	89.2	0.0	91.2	88.2
Cylinder A10 (°C)	542	0	555	548	Bearing 10 (°C)	104.7	0.0	109.9	105.1	10 (°C)	88.8	0.0	90.9	88.3
Cylinder B1 (°C)	544	0	560	544	Bearing 11 (°C)	93.0	0.0	97.3	94.4					
Cylinder B2 (°C)	551	0	545	546										
Cylinder B3 (°C)	544	0	557	544										
Cylinder B4 (°C)	548	0	551	550										
Cylinder B5 (°C)	539	0	543	545										
Cylinder B6 (°C)	550	0	564	558										
Cylinder B7 (°C)	543	0	547	549										
Cylinder B8 (°C)	559	0	563	556										
Cylinder B9 (°C)	538	0	561	543										
Cylinder B10 (°C)	529	0	527	536										
Mean Exhaust Temp (°C)	546	0	554	547	Mean Main Bearing Temp (°C)	104.4	0.0	108.7	105.8	Mean Bearing Splash Oil Temp (°C)	90.0	0.0	91.9	89.9

Comments

Date/Time: 08/24/15 14:47:03

Signature:




Make Master

Make Slave

Sea Log 1

Sea Log 2

Harbor Log

HMON/ADIS

Active Alarms

Historic Alarms

Disk Log

Runtimes

Print

MAIN ENGINE:	#1	#2	#3	#4	Description
LO Sump Level	Full	Full	Full	Full	Confirm sump is full.
LO Replenishing Tk Level	1/2+	3/4	1/2	1/2	Log level before fill; 3/4 max 1/4 min
LO Replenishing Tk Level	—	—	—	—	Log level after fill; 3/4 max 1/4 min
Red Gear Oil Level	Full	Full	Full	Full	Keep level at dipstick top notch.
Coolant Level	5.0	11.0	10.0	8.0	Log level (0 - 15 cm) 10 cm normal
Coolant Pre-htr Power/Elements	0/1	0/1	0/1	0/1	On, Off / Position 0, 1, 2. Valves Open
Air Compressor	1/2	2/3			Log LO level, carefully blowdown receiver
Engine Room Bilge	Dry	Dry			Dry Wipe machinery leaks
WATER JET:	#1	#2	#3	#4	
Hydraulic Oil Level	6.6	7.1	7.5	7.0	Log level 7.0 - 9.0 cm normal
Hydraulic Oil Pump	R-R	R-R	R-R	R-R	In Remote
Lube Oil Level	8.5	7.3	8.4	7.9	Log level 7.0 - 9.0 cm normal
Coalescer Filter	W-NO	H-NO	W-NO	H-NO	Chk drain (Log H2O amount) Check temp
Waterjet Shaft Seal	—	—	—	—	Check bucket for shaft seal leakage
Waterjet Compartment Bilge	Dry	Dry			Dry
GENERATOR:	#1	#2	#3	#4	
LO Sump level	9/10	Full	Full	Full	Check for FO, LO, or coolant leaks
Coolant Level	Full	Full	Full	Full	Approx 1" below cap for expansion
FUEL:	#1	#2	#3	#4	
FO Service Pumps	OFF	OFF	OFF	OFF	Check Pump & NFV for leaks
ME Parker Pre-Filters	NONE	NONE	NONE	NONE	Drain Water, Log Amount, Reset Red Needle
NFV Sludge Tank	Stbd	NONE	Port	NONE	Check drain, Log discharge amount
Fuel Tank Sounding	DB3	5'-2"	DB4	5'-1"	Before & after fueling <u>NO H2O</u>
Compartment Decks: 1,2,3,4,5,6	Dry	Dry	Dry	Dry	Dry DRY Clean/dry
BOW THRUSTER:	#1 Stbd	#2 Port			
Seal Tank Level	8.0	9.0			Log level (7 cm), check shaft seal
Thruster Comp 1 & 2 Bilge	Dry	Dry			Dry - Chk Spr/Del Piping Drain in BT Rm #1
PUMPS:					Report leaks or vibration
Fresh Water & Chillwater Pumps	FW1 OK	FW2 OK	CW1 OK	CW2 OK	Check pumps
Deluge, Sprinkler, HVAC Pumps		Del OK	Spr OK	HVAC OK	Check ovhd drain Check pumps Dry bilge
Fwd & Aft Door/Interceptor HPU	Fwd 9cm	Temp 95°	Aft 9cm	Temp 97°	Tank Level (3/4 normal) Record Temps
Anchor Windlass Tank Level	7cm	Temp 78°			Log level (7 cm normal) Check for leaks
SEA STRAINERS:	#1	#2	#3	#4	
Main Engine					Monthly: clean, note % of zincs
WJ Shaft Seal & SSDG's	ALL Clean				Daily: check, clean as needed
Fire Pump					Sat; test run overboard
Deluge & Sprinkler Pumps	Del	Spr			Sat; test run ovbd. Dry bilge
SHORE TANK SOUNDINGS:	Used LO	475	Bilgewater	350	Sewage 3,000 Gallons
DB SOUNDINGS (Sat Night):	DB1	DB2	DB5	DB6	DB7 DB8 All Dry
Comments: Record amounts of Lube Oil, Hyd Oil, & Coolant added to machinery: Lube Oil: ME1 <input checked="" type="checkbox"/> ME2 <input checked="" type="checkbox"/> ME3 <input checked="" type="checkbox"/> ME4 <input checked="" type="checkbox"/> Bi-Weekly Urinal Rx (Blue Seal): Fwd ___ Aft ___ • Fuel fill has had pressure on it LAST few days 4 psi today have to bleed off air from sample port before removing cap. • Since we shut down fresh air fans in jet rooms bilges have been dry. • Added 1/2 g clarity to WJ #1 Hydro pack. Now @ 7.5 cm					
Name: LADWIG	First Eng Initial:	Day: Tuesday	Date: 8-25-2015		

M/V Chenega Engineering Log

Tuesday, 25 August 2015

Tank Levels	FO Port	FO Stbd	FO Total	Potable	Sewage	LO P/S	
Onboard @ 0000	5465	6255	11720	513	1712	105	125
Received (Transferred)					(1567)		
Onboard @ 0600 (Stby)	5246	6229	11475	896	145	105	125
Onboard @ 1800 (FWE)	3770	2973	6743	771	520	105	125
Onboard @ 2400	5588	5720	11308	758	587	105	125
Consumed (Produced)			4912	245	442		
Marine Diesel #1 / 2 from Tank Truck	Amount (Gal)	Temp (°F)	API Gravity (°)	Flash Pt (°F)	Time Start	Time Stop	
	4500	56	34.1	155	1855	1911	
Machinery Run Time	Main Eng	Main Eng	Main Eng	Main Eng	Generator ① ② 3 4		
Departure Port	ABY	PSG			FO Boost Pump 1 2 ③ ④		
Arrival Port	PSG	ABY			Parker FO Filter Press ("Hg)		
OP3.2 Dep / OP1.2 Arr	✓ 1 ✓	✓ 1 ✓	1	1	4- 0 12-55 1-2.5 3- 1		
Start (Clutch In)	0626	1145			NFV Supply Diff (Bar mBar)		
Stop (Clutch Out)	11:11	1625			P- 1.2 10.14 S- 0 10.12		
Run Hours	4.6	4.75			WJ Hyd Filter Cart 1 2 3 4		
Run Miles	123	123			Shore Sewage @ 2400 3000		
Car Deck Fans ON	0557	115	1630				
Car Deck Fans OFF	0615	1140	1640				
Shore Power	Time Start	Time Stop	Hours	Voltage (V _{avg})	Current (I _{avg})	Power (kW _{avg})	
	0000	0458	5.0	458/458	108/108	69/67	
	1633	2400		465/465	90/88	59/57	
On Duty	Day C/E	Day 1/E	Night C/E	Night 1/E	Wiper		
	Wilson	Early	Walsh	Gassan	Ladwig		

Operation, Maintenance, and Inspection Comments:

ME2: Unavailable offline for repairs

1245 - Fire + Boat drills

1640 - Abandon Ship Drills

1800 - JOHN COOK AND HAL GLADE FROM PPG ON BOARD WORKING

OP ME2

Day Chief Engineer

Wayne Wilson

Night Chief Engineer

Tommy Walsh

M/V Chenega Sea Log (Page 1 of 2)

Propulsion (Engines)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3		
Engine Speed (rpm) - ECU	1899	0	1889	1898	Engine Speed (rpm) - EMU	1901	0	1889	1898	ETC Speed 1 (A1) (krpm)	51.8	0.0	51.8	0.0	51.7	51.6	ETC Speed 2 (B1) (krpm)	51.9	0.0	51.8	52.1	
Running Hours (hrs)	779	0	851	831	Rew Water Pressure (bar)	3.4	0.0	3.5	3.4	ETC Speed 3 (A2) (krpm)	51.9	0.0	51.9	0.0	51.9	52.1	ETC Speed 4 (B2) (krpm)	51.8	0.0	52.0	52.2	
Coolant Temperature (°C) - ECU	81.3	0.0	83.1	80.8	Coolant Pressure (bar)	5.7	0.0	5.5	5.9	Pre ETC 1 (A1) Exhaust Temp (°C)	581.1	0.0	581.1	0.0	581.1	578.0	Pre ETC 2 (B1) Exhaust Temp (°C)	559.4	0.0	571.0	588.8	
Coolant Temperature (°C) - EMU	80.7	0.0	82.4	80.3	Lube Oil Before Filtr Pressure (bar)	0.4	0.0	0.4	0.3	Pre ETC 3 (A2) Exhaust Temp (°C)	631.8	0.0	640.1	0.0	640.1	634.3	Pre ETC 4 (B2) Exhaust Temp (°C)	606.9	0.0	618.9	609.9	
Lube Oil Temperature (°C)	73.8	0.0	75.5	73.7	Fuel Oil Pressure (bar)	8.9	0.0	7.0	7.2	Mean Exhaust Temp (°C)	542	0	554	0	554	548						
Fuel Temperature (°C)	43.1	0.0	47.5	40.0	Fuel Oil Before Filtr Pressure (bar)	7.6	0.0	7.4	7.5													
Intake Air Temperature (°C)	24.6	0.0	25.3	24.1	Fuel Oil Filter Diff Pressure (bar)	0.7	0.0	0.4	0.3													
Charge Air Temperature (°C)	52.5	0.0	52.6	52.6	Crank Case Pressure (mbar)	-7.00	0.00	-4.69	-5.50													
Charge Air Seq Ctrl Vlv Temp (°C)	185.1	0.0	188.8	168.1	Charge Air Pressure (bar)	3.6	0.0	3.5	3.5	Mean Main Bearing Temp (°C)	104.6	0.0	109.9	0.0	109.9	105.8	Mean Bearing Splash Oil Temp (°C)	90.0	0.0	91.8	90.0	
Fuel Consumption (ECU est.) (l/hr)	813	0	814	820	Start Air Pressure (bar)	8.2	0.0	8.4	8.4													
Load (% of DBR)	89.4	0.0	88.8	88.1																		
Water Jet Shell RPM	672	136	667	672																		

Propulsion (Waterjets)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3
Reversing Hydraulic Oil Pressure	OK	OK	OK	OK	OK	OK	OK	OK
Steering Hydraulic Oil Pressure	OK	OK	OK	OK	OK	OK	OK	OK

Power Management

	SSDG4	SSDG2	SSDG1	SSDG3	Shore1	Shore2	SSDG4	SSDG2	SSDG1	SSDG3
Voltage (V)	0.0	476.7	476.1	0.0	0.0	0.0	0.1	3.3	3.3	0.0
Current (A)	0.0	103.0	102.7	0.0	0.0	0.0	55.8	77.4	73.4	56.8
Power (kW)	0.0	68.8	66.8	0.0	0.0	0.0	34.2	289.4	286.3	38.5
Power Factor	1.00	-0.78	-0.78	1.00			33.5	53.1	56.4	36.0
Frequency (Hz)	0.0	59.9	59.9	0.0			34.0	53.7	56.7	35.4
Slating Battery Voltage (V)	26.4	28.6	28.6	26.4	PORT	STBD	31.7	54.2	52.3	33.7
Engine Hours	14892	15378	15818	15724	Tie Breaker Status:	Unreq Close				

Miscellaneous

	PORT	STBD
Fuel Oil Tank	gal 4084	gal 3821
Lube Oil Tank	gal 105	gal 125
Fuel Oil Service Tank Level	OK	OK
SW Flushing Pressure (bar)	Forward 3.2	Aft 3.3

Comments: Layer: 9.3 S.O.G.: 30.4 S.T.W.: 29.8 Wind Spd: ∞ Wind Dir: ∞ Seas: Calm M.D.: 6' 7"

Route: PSG-ADY

Date/Time: 08/25/15 13:57:15

Signature: *[Handwritten Signature]*



- Make Master
- Make Slave
- Sea Log
- Sea Log 2
- Harbor Log
- HMON/ADIS
- Active Alarms
- Historic Alarms
- Disk Log
- Runtimes
- Print

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Propulsion (Engines)

Exhaust Temperatures	ME4	ME2	ME1	ME3	Main Bearing Temperatures	ME4	ME2	ME1	ME3	Con Rod Bearing / Piston Cooling Splash Oil Temperatures	ME4	ME2	ME1	ME3
Cylinder A1 (°C)	541	0	563	547	Bearing 1 (°C)	101.2	0.0	102.8	102.8	1 (°C)	90.0	0.0	91.6	89.7
Cylinder A2 (°C)	550	0	552	551	Bearing 2 (°C)	107.8	0.0	112.7	108.3	2 (°C)	90.4	0.0	92.2	90.7
Cylinder A3 (°C)	539	0	550	540	Bearing 3 (°C)	108.9	0.0	114.7	110.1	3 (°C)	91.2	0.0	93.0	91.3
Cylinder A4 (°C)	546	0	553	538	Bearing 4 (°C)	110.7	0.0	114.7	112.2	4 (°C)	90.1	0.0	92.4	90.1
Cylinder A5 (°C)	533	0	545	557	Bearing 5 (°C)	105.4	0.0	108.9	105.5	5 (°C)	89.5	0.0	91.8	88.9
Cylinder A6 (°C)	649	0	562	536	Bearing 6 (°C)	105.5	0.0	109.4	106.0	6 (°C)	90.0	0.0	91.7	89.7
Cylinder A7 (°C)	537	0	560	553	Bearing 7 (°C)	104.0	0.0	109.6	105.5	7 (°C)	90.6	0.0	92.9	90.5
Cylinder A8 (°C)	554	0	578	552	Bearing 8 (°C)	106.2	0.0	112.0	107.9	8 (°C)	90.8	0.0	92.1	90.2
Cylinder A9 (°C)	554	0	553	537	Bearing 9 (°C)	104.0	0.0	107.0	105.9	9 (°C)	89.3	0.0	91.6	89.6
Cylinder A10 (°C)	540	0	554	548	Bearing 10 (°C)	105.0	0.0	110.4	105.1	10 (°C)	88.9	0.0	91.2	88.1
Cylinder B1 (°C)	554	0	563	546	Bearing 11 (°C)	93.4	0.0	97.7	94.4					
Cylinder B2 (°C)	544	0	543	542										
Cylinder B3 (°C)	543	0	557	542										
Cylinder B4 (°C)	546	0	551	553										
Cylinder B5 (°C)	536	0	544	548										
Cylinder B6 (°C)	547	0	584	558										
Cylinder B7 (°C)	537	0	547	549										
Cylinder B8 (°C)	554	0	565	553										
Cylinder B9 (°C)	535	0	581	540										
Cylinder B10 (°C)	521	0	524	530										
Mean Exhaust Temp (°C)	543	0	554	547	Mean Main Bearing Temp (°C)	104.7	0.0	109.1	105.9	Mean Bearing Splash Oil Temp (°C)	90.1	0.0	92.0	89.9

Comments

Date/Time: 08/25/15 13:58:24

Signature: 



Make Master

Make Slave

Sea Log 1

Sea Log 2

Harbor Log

HMON/ADIS

Active Alarms

Historic Alarms

Disk Log

Runtimes

Print

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Propulsion (Engines)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3
Engine Speed (rpm) -ECU-	1800	0	1880	1899	Engine Speed (rpm) -EMU-	1902	0	1894	1901	ETC Speed 1 (A1) (krpm)	51.7	0.0	51.7	0.0	51.7	0.0
Running Hours (hrs)	77.4	0	847	826	Raw Water Pressure (bar)	3.4	0.0	3.4	3.4	ETC Speed 2 (B1) (krpm)	51.8	0.0	51.8	0.0	51.8	0.0
Coolant Temperature (°C) -ECU-	81.1	0.0	82.8	80.6	Coolant Pressure (bar)	5.6	0.0	5.6	5.8	ETC Speed 3 (A2) (krpm)	51.8	0.0	52.1	0.0	51.9	0.0
Coolant Temperature (°C) -EMU-	80.7	0.0	82.1	80.2	Lube Oil Pressure (bar) -ECU-	7.2	0.0	7.4	7.0	ETC Speed 4 (B2) (krpm)	51.9	0.0	52.1	0.0	52.0	0.0
Lube Oil Temperature (°C)	73.8	0.0	75.1	73.4	Lube Oil Pressure (bar) -EMU-	7.3	0.0	7.5	7.1	Pre ETC 1 (A1) Exhaust Temp (°C)	581.1	0.0	581.1	0.0	577.0	0.0
					Lube Oil Before Ftr Pressure (bar)	7.6	0.0	7.7	7.3	Pre ETC 2 (B1) Exhaust Temp (°C)	580.2	0.0	588.8	0.0	586.8	0.0
					Lube Oil Filter Diff Pressure (bar)	0.4	0.0	0.4	0.3	Pre ETC 3 (A2) Exhaust Temp (°C)	631.9	0.0	636.3	0.0	634.3	0.0
Fuel Temperature (°C)	39.2	0.0	47.5	41.9	Fuel Oil Pressure (bar)	7.0	0.0	7.1	7.3	Pre ETC 4 (B2) Exhaust Temp (°C)	806.4	0.0	815.0	0.0	808.7	0.0
					Fuel Oil Before Ftr Pressure (bar)	7.6	0.0	7.4	7.5	Mean Exhaust Temp (°C)	543	0	552	0	545	0
					Fuel Oil Filter Diff Pressure (bar)	0.8	0.0	0.3	0.2	Mean Main Bearing Temp (°C)	104.8	0.0	109.0	0.0	105.9	0.0
Intake Air Temperature (°C)	22.4	0.0	24.1	23.8	Crank Case Pressure (mbar)	-6.62	0.00	-5.43	-5.99	Mean Bearing Splash Oil Temp (°C)	90.0	0.0	91.9	0.0	90.0	0.0
Charge Air Temperature (°C)	52.4	0.0	52.2	52.2	Charge Air Pressure (bar)	3.5	0.0	3.5	3.5	Red Gear Control Oil Pressure (bar)	24.2	0.0	24.3	0.0	23.7	0.0
Charge Air Seq Ctrl/Vlv Temp (°C)	163.5	0.0	165.1	168.1	Start Air Pressure (bar)	8.1	0.0	8.5	8.4	Red Gear Oil Temperature (°C)	61.8	0.0	59.7	0.0	59.1	0.0
Fuel Consumption (ECU Est.) (l/hr)	815	0	818	823												
Load (% of DBR)	90.2	0.0	90.6	89.8												
Water Jet Shaft RPM	673	136	669	672												

Propulsion (Waterjets)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3
Reversing Hydraulic Oil Pressure	OK	OK	OK	OK	Lube Oil Pressure	OK	OK	OK
Steering Hydraulic Oil Pressure	OK	OK	OK	OK	Lube Oil Level	OK	OK	OK

Power Management

	SSDG4	SSDG2	SSDG1	SSDG3	Shore1	Shore2	SSDG4	SSDG2	SSDG1	SSDG3
Voltage (V)	0.0	477.9	477.7	0.0	0.0	0.0	0.1	3.2	3.2	0.0
Current (A)	0.0	82.1	82.2	0.0	0.0	0.0	54.8	76.7	72.8	56.1
Power (kW)	0.0	52.6	53.0	0.0	0.0	0.0	44.5	278.7	272.9	42.5
Power Factor	1.00	-0.78	-0.78	1.00			34.2	52.4	57.2	37.2
Frequency (Hz)	0.0	59.9	60.0	0.0			34.6	55.3	57.9	36.4
Starting Battery Voltage (V)	26.5	28.6	28.8	26.5			32.2	55.8	53.0	34.9
Engine Hours	14882	15373	15813	15724	Tie Breaker State:	Closed				

Miscellaneous

	PORT	STBD
Fuel Oil Tank	gal 4738	% 68.6
Lube Oil Tank	gal 105	% 57.0
Fuel Oil Service Tank Level	OK	OK
SW Flushing Pressure (bar)	Forward 2.0	Aft 2.2

Comments Level: 9.3 S.O.G.: 32.0 S.T.W.: 29.9 Wind Spd: 15 Wind Dir: 180° Seas: 2-3 M.D.: G11
 Route: JNU-P56
 Date/Time: 08/25/15 08:49:03
 Signature: (Signature)



M/V Chenega Sea Log (Page 2 of 2)

M/V Chenega Sea Log (Page 2 of 2)

Exhaust Temperatures	ME4	ME2	ME1	ME3	Main Bearing Temperatures	ME4	ME2	ME1	ME3	Con Flood Bearing / Piston Cooling Splash Oil Temperatures	ME4	ME2	ME1	ME3
Cylinder A1 (°C)	542	0	562	545	Bearing 1 (°C)	101.0	0.0	102.8	102.8	1 (°C)	90.2	0.0	91.6	89.7
Cylinder A2 (°C)	549	0	551	547	Bearing 2 (°C)	107.7	0.0	112.6	109.3	2 (°C)	90.5	0.0	92.0	90.7
Cylinder A3 (°C)	539	0	553	539	Bearing 3 (°C)	108.8	0.0	114.7	110.1	3 (°C)	91.1	0.0	92.9	91.3
Cylinder A4 (°C)	548	0	553	538	Bearing 4 (°C)	110.6	0.0	114.7	112.4	4 (°C)	90.1	0.0	92.1	90.1
Cylinder A5 (°C)	535	0	543	533	Bearing 5 (°C)	105.2	0.0	109.9	105.5	5 (°C)	89.5	0.0	91.8	89.9
Cylinder A6 (°C)	552	0	560	537	Bearing 6 (°C)	105.5	0.0	109.3	105.9	6 (°C)	90.4	0.0	91.7	89.9
Cylinder A7 (°C)	537	0	561	552	Bearing 7 (°C)	103.8	0.0	109.3	105.5	7 (°C)	90.7	0.0	92.9	90.8
Cylinder A8 (°C)	554	0	574	561	Bearing 8 (°C)	106.2	0.0	112.0	108.0	8 (°C)	90.6	0.0	92.0	90.1
Cylinder A9 (°C)	556	0	551	537	Bearing 9 (°C)	104.0	0.0	107.0	105.9	9 (°C)	89.1	0.0	91.3	89.4
Cylinder A10 (°C)	538	0	553	548	Bearing 10 (°C)	105.0	0.0	110.4	105.1	10 (°C)	88.0	0.0	90.4	88.3
Cylinder B1 (°C)	550	0	561	539	Bearing 11 (°C)	93.4	0.0	97.3	94.6					
Cylinder B2 (°C)	544	0	542	546										
Cylinder B3 (°C)	544	0	552	541										
Cylinder B4 (°C)	550	0	551	546										
Cylinder B5 (°C)	536	0	540	547										
Cylinder B6 (°C)	548	0	561	556										
Cylinder B7 (°C)	539	0	544	547										
Cylinder B8 (°C)	555	0	560	551										
Cylinder B9 (°C)	536	0	557	540										
Cylinder B10 (°C)	521	0	521	532										
Mean Exhaust Temp (°C)	543	0	553	545	Mean Main Bearing Temp (°C)	104.7	0.0	109.0	105.9	Mean Bearing Splash Oil Temp (°C)	90.0	0.0	91.9	90.0

- Make Master
- Make Slave
- Sea Log 1
- Sea Log 2
- Harbor Log
- HMON/ADIS
- 4 Active Alarms
- 4 Historic Alarms
- Disk Log
- Runtimes
- Print



Comments

Date/Time: 08/25/15 08:49:09

Signature:

CW

MAIN ENGINE:	#1	#2	#3	#4	Description
LO Sump Level	Full	Full	Full	Full	Confirm sump is full.
LO Replenishing Tk Level	5/8	3/4	1/2+	5/8	Log level before fill; 3/4 max 1/4 min
LO Replenishing Tk Level	—	—	—	—	Log level after fill; 3/4 max 1/4 min
Red Gear Oil Level	Full	ReFill	Full	Full	Keep level at dipstick top notch.
Coolant Level	7.5	0.0	11.2	8.5	Log level (0 - 15 cm) 10 cm normal
Coolant Pre-htr Power/Elements	O/I	OFF	O/I	O/I	On, Off / Position 0, 1, 2. Valves Open
Air Compressor	1/2	2/3			Log LO level, carefully blowdown receiver
Engine Room Bilge	dry	dry			Dry Wipe machinery leaks
WATER JET:	#1	#2	#3	#4	
Hydraulic Oil Level	6.7	7.1	7.6	7.2	Log level 7.0 - 9.0 cm normal
Hydraulic Oil Pump	R-R	R-R	R-R	R-R	In Remote
Lube Oil Level	8.6	7.3	8.4	8.1	Log level 7.0 - 9.0 cm normal
Coalescer Filter	W-NO	H-NO	W-NO	H-NO	Chk drain (Log H2O amount) Check temp
Waterjet Shaft Seal	—	—	—	—	Check bucket for shaft seal leakage
Waterjet Compartment Bilge	Dry	Dry			Dry
GENERATOR:	#1	#2	#3	#4	
LO Sump level	Full	Full	Full	Full	Check for FO, LO, or coolant leaks
Coolant Level	Full	Full	Full	Full	Approx 1" below cap for expansion
FUEL:	#1	#2	#3	#4	
FO Service Pumps	OFF	OFF	OFF	OFF	Check Pump & NFV for leaks
ME Parker Pre-Filters	NONE	—	NONE	NONE	Drain Water, Log Amount, <u>Reset Red Needle</u>
NFV Sludge Tank	Stbd	NONE	Port	NONE	Check drain, Log discharge amount
Fuel Tank Sounding	DB3	5'-8"	DB4	5'-0"	Before & after fueling <u>NO H2O</u>
Compartment Decks: 1,2,3,4,5,6	Dry	Dry	Dry	Dry	Dry Dry Clean/dry
BOW THRUSTER:	#1 Stbd	#2 Port			
Seal Tank Level	8.0	9.0			Log level (7 cm), check shaft seal
Thruster Comp 1 & 2 Bilge	Dry	Dry			Dry - Chk Spr/Del Piping Drain in BT Rm #1
PUMPS:					Report leaks or vibration
Fresh Water & Chillwater Pumps	FW1 OK	FW2 OK	CW1 OK	CW2 OK	Check pumps
Deluge, Sprinkler, HVAC Pumps		Del OK	Spr OK	HVAC OK	Check ovhd drain Check pumps Dry bilge
Fwd & Aft Door/Interceptor HPU	Fwd 9cm	Temp 95°	Aft 9cm	Temp 97°	Tank Level (3/4 normal) Record Temps
Anchor Windlass Tank Level	7cm	Temp 77°			Log level (7 cm normal) Check for leaks
SEA STRAINERS:	#1	#2	#3	#4	
Main Engine					Monthly: clean, note % of zincs
WJ Shaft Seal & SSDG's	—	ALL CLEAR	—	—	Daily: check, clean as needed
Fire Pump					Sat; test run overboard
Deluge & Sprinkler Pumps	Del	Spr			Sat; test run ovbd. Dry bilge
SHORE TANK SOUNDINGS:	Used LO	475	Bilgewater	325+	Sewage 1300 Gallons
DB SOUNDINGS (Sat Night):	DB1	DB2	DB5	DB6	DB7 DB8 All Dry
Comments: Record amounts of Lube Oil, Hyd Oil, & Coolant added to machinery: Lube Oil: ME1 <u>+</u> ME2 <u>+</u> ME3 <u>+</u> ME4 <u>+</u> Bi-Weekly Urinal Rx (Blue Seal): Fwd <u> </u> Aft <u> </u> Added 25gal waste oil from #2 RG to Bilge Buffalo now @ 350g After Tealing pump leak added <u>35</u> g to RG #2. Appx.					
Name: LADWIG	First Engr Initial:	Day: Monday	Date: 8-24-2015		

M/V Chenega Engineering Log

Wednesday, 26 August 2015

Tank Levels	FO Port	FO Stbd	FO Total	Potable	Sewage	LO P/S		
Onboard @ 0000	5785	5899	11684	568	1204	105	125	
Received (Transferred)								
Onboard @ 0600 (Stby)	5731	5881	11612	912	1270	105	125	
Onboard @ 1800 (FWE)								
Onboard @ 2400	5758	5928	11686	866	1366	87	125	
Consumed (Produced)			Ø	293	162	18	Ø	
Marine Diesel #1 / 2 from Tank Truck	Amount (Gal)	Temp (°F)	API Gravity (°)	Flash Pt (°F)	Time Start	Time Stop		
Machinery Run Time	Main Eng	Main Eng	Main Eng	Main Eng	Generator 1 2 (3) (4)			
Departure Port	JNU	ANG	SIT					
Arrival Port	ANG	SIT	JNU		FO Boost Pump 1 2 3 4			
OP3.2 Dep / OP1.2 Arr								
Start (Clutch In)					Parker FO Filter Press ("Hg)			
Stop (Clutch Out)					4-	12-	1-	13-
Run Hours					NFV Supply Diff (Bar mBar)			
Run Miles					P-		S-	
Car Deck Fans ON					WJ Hyd Filter Cart 1 2 3 4			
Car Deck Fans OFF					Shore Sewage @ 2400 3200			
Shore Power	Time Start	Time Stop	Hours	Voltage (V _{avg})	Current (I _{avg})	Power (kW _{avg})		
	0001	0500 2400	5	474	75	54		
On Duty	Day C/E	Day 1/E	Night C/E	Night 1/E			Wiper	
	Wilson	Early	Walsh	Gassan			Ladwig	

Operation, Maintenance, and Inspection Comments:

Scheduled Run Canceled Due to weather

Day Chief Engineer *Wayne Wilson*

Night Chief Engineer *Donna Walsh*

MAIN ENGINE:	#1	#2	#3	#4	Description		
LO Sump Level	Full	Full	Full	Full	Confirm sump is full.		
LO Replenishing Tk Level	1/2	1/2+	3/8++	3/8+	Log level before fill; 3/4 max 1/4 min		
LO Replenishing Tk Level	—	—	—	—	Log level after fill; 3/4 max 1/4 min		
Red Gear Oil Level	Full	Full	Full	Full	Keep level at dipstick top notch.		
Coolant Level	10.2	10.3	10.1	8/10.5	Log level (0 - 15 cm) 10 cm normal		
Coolant Pre-htr Power/Elements	0/1	0/1	0/1	0/1	On, Off / Position 0, 1, 2. Valves Open		
Air Compressor	1/2	2/3			Log LO level, carefully blowdown receiver		
Engine Room Bilge	Dry	Slightly			Dry Wipe machinery leaks		
WATER JET:	#1	#2	#3	#4			
Hydraulic Oil Level	7.6	7.4	7.5	7.0	Log level 7.0 - 9.0 cm normal		
Hydraulic Oil Pump	R-R	R-R	R-R	R-R	In Remote		
Lube Oil Level	8.6	7.5	8.4	7.8	Log level 7.0 - 9.0 cm normal		
Coalescer Filter	W-NO	H-NO	W-NO	W-NO	Chk drain (Log H2O amount) Check temp		
Waterjet Shaft Seal	—	—	—	—	Check bucket for shaft seal leakage		
Waterjet Compartment Bilge	Dry	Dry			Dry		
GENERATOR:	#1	#2	#3	#4			
LO Sump level	7/8	Full	Full	Full	Check for FO, LO, or coolant leaks		
Coolant Level	Full	Full	Full	Full	Approx 1" below cap for expansion		
FUEL:	#1	#2	#3	#4			
FO Service Pumps	OFF	—	—	OFF	Check Pump & NFV for leaks		
ME Parker Pre-Filters	NONE	—	—	NONE	Drain Water, Log Amount, <u>Reset Red Needle</u> ®		
NFV Sludge Tank	Stbd	NONE		Port	NONE	Check drain, Log discharge amount	
Fuel Tank Sounding	DB3	5'-4"		DB4	5'-2"	Before & after fueling <u>NO H2O</u>	
Compartment Decks: 1,2,3,4,5,6	Dry	Dry	Dry	Dry	Dry	Dry	Clean/dry
BOW THRUSTER:	#1 Stbd	#2 Port					
Seal Tank Level	8.0	9.0			Log level (7 cm), check shaft seal		
Thruster Comp 1 & 2 Bilge	Dry	Dry			Dry - Chk Spr/Del Piping Drain in BT Rm #1		
PUMPS:					Report leaks or vibration		
Fresh Water & Chillwater Pumps	FW1 OK	FW2 OK	CW1 OK	CW2 OK	Check pumps		
Deluge, Sprinkler, HVAC Pumps		Del OK	Spr OK	HVAC OK	Check ovhd drain Check pumps Dry bilge		
Fwd & Aft Door/Interceptor HPU	Fwd 9cm	Temp 96°	Aft 9cm	Temp 96°	Tank Level (3/4 normal) Record Temps		
Anchor Windlass Tank Level	7cm	Temp 80°			Log level (7 cm normal) Check for leaks		
SEA STRAINERS:	#1	#2	#3	#4			
Main Engine					Monthly: clean, note % of zincs		
WJ Shaft Seal & SSDG's	— ACL Clear —				Daily: check, clean as needed		
Fire Pump					Sat; test run overboard		
Deluge & Sprinkler Pumps	Del	Spr			Sat; test run ovbd. Dry bilge		
SHORE TANK SOUNDINGS:	Used LO	110	Bilgewater	360	Sewage	3000	Gallons
DB SOUNDINGS (Sat Night):	DB1	DB2	DB5	DB6	DB7	DB8	All Dry
Comments: Record amounts of Lube Oil, Hyd Oil, & Coolant added to machinery: Lube Oil: ME1 <u> </u> ME2 <u> </u> ME3 <u> </u> ME4 <u> </u> Bi-Weekly Urinal Rx (Blue Seal): Fwd <u> </u> Aft <u> </u> * Added 2g coolant to ME#4 to 10cm @ 10.5cm no pressure							
Name:	LADWIG		First Engr Initial:	wed		Date:	8-26-2015

M/V Chenega Engineering Log

Wednesday, 26 August 2015

Tank Levels	FO Port	FO Stbd	FO Total	Potable	Sewage	LO P/S	
Onboard @ 0000	5588	5720	11308	758	587	105	125
Received (Transferred)							
Onboard @ 0600 (Stby)	5561	5702	11263	721	649	105	125
Onboard @ 1800 (FWE)	2628	2796	5424	580	1135	105	125
Onboard @ 2400	5785	5899	11684	568	1304	105	125
Consumed (Produced)			5624	190	617	0	0
Marine Diesel #1 / 2 from Tank Truck	Amount (Gal)	Temp (°F)	API Gravity (°)	Flash Pt (°F)	Time Start	Time Stop	
	6000	60	39	155	1855	1920	
Machinery Run Time	Main Eng	Main Eng	Main Eng	Main Eng	Generator ① ② 3 4		
Departure Port	JNU	SIT					
Arrival Port	SIT	JNU			FO Boost Pump ① ② 3 4		
OP3.2 Dep / OP1.2 Arr	✓ ✓	✓ ✓					
Start (Clutch In)	0627	1158			Parker FO Filter Press ("Hg)		
Stop (Clutch Out)	1113	1132			4-0 2-1	1-5 3-5	
Run Hours	4.8	4.5			NFV Supply Diff (Bar mBar)		
Run Miles	136	136			P- 1.0 10.14	S-.8 10.11	
Car Deck Fans ON	0540	1115			WJ Hyd Filter Cart 1 2 3 4		
Car Deck Fans OFF	0607	1155			Shore Sewage @ 2400		
Shore Power	Time Start	Time Stop	Hours	Voltage (V _{avg})	Current (I _{avg})	Power (kW _{avg})	
	0001	0500	5	475	79-78	61-60	
		2400					
On Duty	Day C/E	Day 1/E	Night C/E	Night 1/E			Wiper
	Wilson	Early	Walsh	Gassan			Ladwig

Operation, Maintenance, and Inspection Comments:

ME2 has been repaired, the oil fitting replaced and the engine has been tested at the dock

ME1 is losing coolant but as directed by PPG is available for use with regular monitoring

PPG Hal Glad & Joan Cook onboard for ME1 investigation.

Day Chief Engineer *Wayne Wilson* Night Chief Engineer *Dennis Walsh*

M/V Chenega Sea Log (Page 1 of 2)

Propulsion (Engines)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3
Engine Speed (rpm) -ECU-	1853	1853	1843	1852	1856	1854	1845	1854	1856	1854	1845	1854	1856	1854	1845	1854
Running Hours (hrs)	783	794	655	835	3.3	3.2	3.4	3.2	3.3	3.2	3.4	3.2	3.3	3.2	3.4	3.2
Coolant Temperature (°C) -ECU-	81.1	81.1	82.4	80.2	5.4	5.2	5.3	5.7	5.4	5.2	5.3	5.7	5.4	5.2	5.3	5.7
Coolant Temperature (°C) -EMU-	80.3	80.7	81.7	80.0	7.1	7.1	7.3	6.9	7.1	7.1	7.3	6.9	7.1	7.1	7.3	6.9
Lube Oil Temperature (°C)	73.6	74.2	74.8	73.3	7.2	7.2	7.4	7.0	7.2	7.2	7.4	7.0	7.2	7.2	7.4	7.0
Fuel Temperature (°C)	45.2	49.0	48.9	42.9	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.3
Intake Air Temperature (°C)	28.6	28.0	25.3	25.5	7.8	7.8	7.5	7.6	7.8	7.8	7.5	7.6	7.8	7.8	7.5	7.6
Charge Air Temperature (°C)	53.7	54.0	53.7	53.6	0.7	0.8	0.4	0.3	0.7	0.8	0.4	0.3	0.7	0.8	0.4	0.3
Charge Air Seq Ctrl Vlv Temp (°C)	180.1	158.8	157.1	150.8	-7.88	-7.77	-5.71	-6.65	-7.88	-7.77	-5.71	-6.65	-7.88	-7.77	-5.71	-6.65
Fuel Consumption (ECU Est.) (l/hr)	756	734	754	760	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Load (% of DGR)	81.4	78.5	81.8	81.8	8.2	8.3	8.4	8.4	8.2	8.3	8.4	8.4	8.2	8.3	8.4	8.4
Water Jet Shaft RPM	656	656	651	656												

Propulsion (Waterjets)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3
Reversing Hydraulic Oil Pressure	OK	OK	OK	OK	OK	OK	OK	OK
Steering Hydraulic Oil Pressure	OK	OK	OK	OK	OK	OK	OK	OK

Power Management

	SSDG4	SSDG2	SSDG1	SSDG3	Shore1	Shore2	SSDG4	SSDG2	SSDG1	SSDG3
Voltage (V)	0.0	477.9	477.0	0.0	0.0	0.0	0.1	3.2	3.3	0.0
Current (A)	0.0	85.6	89.8	0.0	0.0	0.0	62.8	76.2	72.2	58.5
Power (kW)	0.0	55.5	55.8	0.0	0.0	0.0	88.1	270.0	265.3	42.1
Power Factor	1.00	-0.78	-0.78	1.00			45.7	55.1	55.4	37.7
Frequency (Hz)	0.0	60.0	60.0	0.0			46.2	58.3	56.0	36.9
Starting Battery Voltage (V)	26.4	28.3	28.8	26.5			43.8	58.7	51.4	35.2
Engine Hours	14892	15383	15824	15724						

Miscellaneous

	PORT	STBD	PORT	STBD
Fuel Oil Tank	gal	%	gal	%
	5033	72.8	5161	74.7
Water Tank	gal	%	gal	%
	104	58.5	126	88.0
			660	66.0
			888	19.1

Comments

Lever: *9.1*
 Route: *5N0-511*
 Date/Time: 08/28/15 07:38:15
 S.O.G.: *36.4*
 S.T.W.: *34.7*
 Wind Spd: *0*
 Wind Dir: *0*
 Seas: *0*
 M.D.: *7'02*
 Signature: *UN*



M/V Chenega Sea Log (Page 2 of 2)

Propulsion (Engines)

Exhaust Temperatures	ME4	ME2	ME1	ME3	Main Bearing Temperatures	ME4	ME2	ME1	ME3	Con Rod Bearing / Piston Cooling Splash Oil Temperatures	ME4	ME2	ME1	ME3
Cylinder A1 (°C)	546	538	559	546	Bearing 1 (°C)	98.5	99.9	101.0	101.0	1 (°C)	89.5	89.5	90.9	90.9
Cylinder A2 (°C)	548	537	540	538	Bearing 2 (°C)	106.5	105.9	110.1	107.0	2 (°C)	89.4	90.5	91.3	90.0
Cylinder A3 (°C)	544	550	543	535	Bearing 3 (°C)	106.6	108.2	112.4	108.2	3 (°C)	90.4	90.8	92.2	90.2
Cylinder A4 (°C)	547	551	544	531	Bearing 4 (°C)	108.2	107.6	112.0	109.7	4 (°C)	89.5	89.3	91.7	89.1
Cylinder A5 (°C)	535	537	537	549	Bearing 5 (°C)	103.6	104.7	107.0	103.6	5 (°C)	88.6	89.6	91.0	88.5
Cylinder A6 (°C)	551	542	552	530	Bearing 6 (°C)	103.7	105.9	107.7	104.4	6 (°C)	88.9	89.8	90.7	88.4
Cylinder A7 (°C)	538	541	552	546	Bearing 7 (°C)	102.1	104.4	107.4	103.6	7 (°C)	89.8	90.2	91.8	89.7
Cylinder A8 (°C)	559	560	566	557	Bearing 8 (°C)	104.4	105.5	109.7	105.9	8 (°C)	89.9	89.8	91.3	89.2
Cylinder A9 (°C)	561	539	545	534	Bearing 9 (°C)	102.1	105.3	105.1	104.0	9 (°C)	88.4	88.8	90.5	88.4
Cylinder A10 (°C)	544	525	547	545	Bearing 10 (°C)	103.2	103.2	108.2	103.6	10 (°C)	87.3	88.2	89.8	87.3
Cylinder B1 (°C)	550	539	555	538	Bearing 11 (°C)	91.9	91.9	96.2	93.4					
Cylinder B2 (°C)	550	537	539	544										
Cylinder B3 (°C)	548	538	550	539										
Cylinder B4 (°C)	548	534	547	543										
Cylinder B5 (°C)	540	536	541	542										
Cylinder B6 (°C)	553	542	559	553										
Cylinder B7 (°C)	543	535	541	545										
Cylinder B8 (°C)	566	557	559	553										
Cylinder B9 (°C)	539	533	556	537										
Cylinder B10 (°C)	537	531	524	536										
Mean Exhaust Temp (°C)	547	540	548	542	Mean Main Bearing Temp (°C)	102.8	103.8	106.9	104.0	Mean Bearing Splash Oil Temp (°C)	89.2	89.6	91.1	88.9

Comments

Date/Tms: 08/25/15 07:38:22

Signature: 



- Make Master
- Make Slave
- Sea Log 1
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- 4 Active Alarms
- 4 Historic Alarms
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- Runtimes
- Print

M/V Chenega Sea Log (Page 1 of 2)

Propulsion (Engines)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3
Engine Speed (rpm) -EDU-	1859	1868	1848	1859	1859	1860	1849	1858	1859	1860	1849	1858	1859	1860	1849	1858
Running Hours (hrs)	789	801	862	842	3.3	3.1	3.3	3.3	3.3	3.1	3.3	3.3	3.3	3.1	3.3	3.3
Coolant Temperature (°C) -EDU-	81.5	80.7	82.7	80.5	5.5	5.3	5.3	5.7	5.5	5.3	5.3	5.7	5.5	5.3	5.3	5.7
Coolant Temperature (°C) -EMU-	80.7	80.3	82.1	80.0	7.1	7.1	7.3	7.0	7.1	7.1	7.3	7.0	7.1	7.1	7.3	7.0
Lube Oil Temperature (°C)	73.6	73.9	74.8	73.4	7.2	7.2	7.4	7.0	7.2	7.2	7.4	7.0	7.2	7.2	7.4	7.0
Fuel Temperature (°C)	46.7	50.0	49.9	44.2	7.5	7.4	7.7	7.3	7.5	7.4	7.7	7.3	7.5	7.4	7.7	7.3
Intake Air Temperature (°C)	29.3	29.9	26.9	28.2	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.3
Charge Air Temperature (°C)	53.5	53.7	53.2	53.5	7.0	7.2	7.1	7.3	7.0	7.2	7.1	7.3	7.0	7.2	7.1	7.3
Charge Air Sep Ctrl Vlv Temp (°C)	161.8	160.4	158.8	162.1	7.8	7.8	7.5	7.6	7.8	7.8	7.5	7.6	7.8	7.8	7.5	7.6
Fuel Consumption (ECU Est.) (l/hr)	762	740	763	769	0.8	0.6	0.4	0.3	0.8	0.6	0.4	0.3	0.8	0.6	0.4	0.3
Load (% of DBR)	81.8	80.4	82.6	82.8	-7.46	-7.35	-5.85	-6.23	-7.46	-7.35	-5.85	-6.23	-7.46	-7.35	-5.85	-6.23
Water Jet Shaft RPM	657	657	654	657	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Mean Exhaust Temp (°C)	619.6	611.1	621.4	615.0	8.1	8.1	8.4	8.3	8.1	8.1	8.4	8.3	8.1	8.1	8.4	8.3
Mean Exhaust Temp (°C)	550	542	553	548	103.1	103.9	107.2	104.3	103.1	103.9	107.2	104.3	103.1	103.9	107.2	104.3
Mean Main Bearing Temp (°C)	89.4	89.7	91.3	89.2	23.8	24.1	24.7	23.5	23.8	24.1	24.7	23.5	23.8	24.1	24.7	23.5
Mean Bearing Splash Oil Temp (°C)	66.8	62.6	59.8	59.0	40.6	40.6	38.2	38.2	40.6	40.6	38.2	38.2	40.6	40.6	38.2	38.2
Red Gear Control Oil Pressure (bar)																
Red Gear Oil Temperature (°C)																
Hydraulic Oil Temperature																
Hydraulic Oil Level																

Propulsion (Waterjets)

	ME4	ME2	ME1	ME3	ME4	ME2	ME1	ME3
Reversing Hydraulic Oil Pressure	OK	OK	OK	OK	OK	OK	OK	OK
Steering Hydraulic Oil Pressure	OK	OK	OK	OK	OK	OK	OK	OK

Power Management

	SSDG4	SSDG2	SSDG1	SSDG3	SSDG4	SSDG2	SSDG1	SSDG3
Voltage (V)	0.0	477.4	477.2	0.0	0.0	0.0	0.0	0.0
Current (A)	0.0	90.0	90.0	0.0	0.0	0.0	0.0	0.0
Power (kW)	0.0	57.9	57.7	0.0	0.0	0.0	0.0	0.0
Power Factor	1.00	-0.77	-0.77	1.00	0.0	0.0	0.0	0.0
Frequency (Hz)	0.0	60.0	60.0	0.0	0.0	0.0	0.0	0.0
Starting Battery Voltage (V)	26.2	28.2	26.4	26.3	PORT	STBD	PORT	STBD
Engine Hours	14882	15390	15831	15724	Unreq Close			

Miscellaneous

	PORT	STBD
Fuel Oil Tank	gal 3257	gal 3308
Lube Oil Tank	gal 105	gal 125
Potable Water	gal 618	gal 61.8
Sewage	gal 1044	gal 29.0
Fuel Oil Service Tank Level	OK	OK
SW Flushing Pressure (bar)	Forward 2.2	Aft 2.3

Comments: Lever: 9,1 S.O.G.: 35.8 S.T.W.: 36.6 Wind Spd: 29 kts Wind Dir: 006 Seas: calm M.D.: 9'2"

Route: 511 - ADY
Signature: *[Signature]*



- Make Master
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M/V Chenega Sea Log (Page 2 of 2)

Propulsion (Engines)

Exhaust Temperatures	ME4	ME2	ME1	ME3	Main Bearing Temperatures	ME4	ME2	ME1	ME3	Con Rod Bearing / Platon Cooling Splash Oil Temperatures	ME4	ME2	ME1	ME3
Cylinder A1 (°C)	548	545	552	548	Bearing 1 (°C)	99.8	100.2	101.3	101.2	1 (°C)	89.5	89.8	90.9	89.2
Cylinder A2 (°C)	551	538	545	543	Bearing 2 (°C)	105.8	106.1	110.4	107.4	2 (°C)	89.7	90.7	91.7	90.0
Cylinder A3 (°C)	547	551	548	537	Bearing 3 (°C)	107.0	108.2	112.7	108.5	3 (°C)	90.3	90.9	92.2	90.3
Cylinder A4 (°C)	551	556	548	535	Bearing 4 (°C)	108.5	107.7	112.4	110.1	4 (°C)	89.8	89.6	91.7	89.2
Cylinder A5 (°C)	533	544	541	553	Bearing 5 (°C)	103.6	104.7	107.2	104.0	5 (°C)	89.8	89.7	91.1	89.8
Cylinder A6 (°C)	555	544	556	534	Bearing 6 (°C)	104.0	105.9	107.8	104.5	6 (°C)	89.0	89.6	91.0	88.6
Cylinder A7 (°C)	541	542	559	549	Bearing 7 (°C)	102.5	104.4	107.8	104.0	7 (°C)	89.8	90.4	91.8	89.7
Cylinder A8 (°C)	551	563	572	562	Bearing 8 (°C)	104.7	105.5	110.1	106.2	8 (°C)	90.1	89.8	91.3	89.5
Cylinder A9 (°C)	560	539	548	538	Bearing 9 (°C)	102.3	105.4	105.1	104.1	9 (°C)	88.7	89.1	90.9	88.6
Cylinder A10 (°C)	544	527	553	548	Bearing 10 (°C)	103.4	103.2	108.5	103.6	10 (°C)	87.5	88.6	90.1	87.3
Cylinder B1 (°C)	553	540	561	542	Bearing 11 (°C)	92.3	91.9	96.2	93.4					
Cylinder B2 (°C)	553	540	543	548										
Cylinder B3 (°C)	550	540	556	541										
Cylinder B4 (°C)	550	536	551	549										
Cylinder B5 (°C)	540	536	544	545										
Cylinder B6 (°C)	555	544	554	557										
Cylinder B7 (°C)	546	536	544	547										
Cylinder B8 (°C)	557	558	554	556										
Cylinder B9 (°C)	541	537	561	540										
Cylinder B10 (°C)	536	533	528	540										
Mean Exhaust Temp (°C)	549	542	552	546	Mean Main Bearing Temp (°C)	103.1	103.9	107.2	104.2	Mean Bearing Splash Oil Temp (°C)	89.3	89.8	91.3	89.1

Make Master

Make Slave

Sea Log 1

Sea Log 2

Harbor Log

HMON/ADIS

Active Alarms

Historic Alarms

Disk Log

Runtimes

Print



Comments

Date/Time: 08/26/15 14:57:32

Signature:

MAIN ENGINE:	#1	#2	#3	#4	Description		
LO Sump Level	Full	Full	Full	Full	Confirm sump is full.		
LO Replenishing Tk Level	3/8++	1/2+	3/8++	3/8+	Log level before fill; 3/4 max 1/4 min		
LO Replenishing Tk Level	5/8+	5/8+	5/8+	5/8+	Log level after fill; 3/4 max 1/4 min		
Red Gear Oil Level	Full	Full	Full	Full	Keep level at dipstick top notch.		
Coolant Level <i>Boat Bunking</i>	10.0+	10.0+	10.0+	10.0+	Log level (0 - 15 cm) 10 cm normal		
Coolant Pre-htr Power/Elements	0/1	0/1	0/1	0/1	On, Off / Position 0, 1, 2. Valves Open		
Air Compressor	1/3 2/3	2/3			Log LO level, carefully blowdown receiver		
Engine Room Bilge	3.oily	3.oily			Dry Wipe machinery leaks		
WATER JET:	#1	#2	#3	#4			
Hydraulic Oil Level	7.7	7.4	7.5	6.9/7.5	Log level 7.0 - 9.0 cm normal		
Hydraulic Oil Pump	R-R	R-R	R-R	R-R	In Remote		
Lube Oil Level	8.4	7.2/8.7	8.7	7.8/8.8	Log level 7.0 - 9.0 cm normal		
Coalescer Filter	W-NO	H-NO	W-NO	W-NO	Chk drain (Log H2O amount) Check temp		
Waterjet Shaft Seal	—	—	—	—	Check bucket for shaft seal leakage		
Waterjet Compartment Bilge	Dry	DRY			Dry		
GENERATOR:	#1	#2	#3	#4			
LO Sump level	3/4	Full	Full	Full	Check for FO, LO, or coolant leaks		
Coolant Level	Full	Full	Full	Full	Approx 1" below cap for expansion		
FUEL:	#1	#2	#3	#4			
FO Service Pumps	OFF	OFF	OFF	OFF	Check Pump & NFV for leaks		
ME Parker Pre-Filters	NONE	NONE	NONE	NONE	Drain Water, Log Amount, Reset Red Needle		
NFV Sludge Tank	Stbd	—	Port	—	Check drain, Log discharge amount		
Fuel Tank Sounding	DB3	—	DB4	—	Before & after fueling		
Compartment Decks: 1,2,3,4,5,6	—	Dry	Dry	Dry	Dry	Dry	Clean/dry
BOW THRUSTER:	#1 Stbd	#2 Port					
Seal Tank Level	—	—			Log level (7 cm), check shaft seal		
Thruster Comp 1 & 2 Bilge	—	—			Dry - Chk Spr/Del Piping Drain in BT Rm #1		
PUMPS:					Report leaks or vibration		
Fresh Water & Chillwater Pumps	FW1 OK	FW2 OK	CW1 OK	CW2 OK	Check pumps		
Deluge, Sprinkler, HVAC Pumps	—	Del —	Spr OK	HVAC OK	Check ovhd drain Check pumps Dry bilge		
Fwd & Aft Door/Interceptor HPU	Fwd —	Temp —	Aft 12cm	Temp 101	Tank Level (3/4 normal) Record Temps		
Anchor Windlass Tank Level	—	Temp —	closed	—	Log level (7 cm normal) Check for leaks		
SEA STRAINERS:	#1	#2	#3	#4			
Main Engine					Monthly: clean, note % of zincs		
WJ Shaft Seal & SSDG's	AE	AE	AE	AE	Daily: check, clean as needed		
Fire Pump					Sat; test run overboard		
Deluge & Sprinkler Pumps	Del	Spr			Sat; test run ovbd. Dry bilge		
SHORE TANK SOUNDINGS:	Used LO		Bilgewater		Sewage	Gallons	
DB SOUNDINGS (Sat Night):	DB1	DB2	DB5	DB6	DB7	DB8	All Dry
Comments: Record amounts of Lube Oil, Hyd Oil, & Coolant added to machinery: Lube Oil: ME1 7 1/2 g ME2 4 1/2 g ME3 8 g ME4 8 1/2 g Bi-Weekly Urinal Rx (Blue Seal): Fwd ___ Aft ___ Added 6 oz ISO 100 to STB AIR COMP. Moved port filter cart to #4 Added 3/4 g Clarity to #4 WJ HYDRO PAK. Added 5 g waste oil from Filter Drains & other waste oils to BUFFALO Added 1 g meropa 68 to WJLOP #2 Added 3/4 g meropa 68 to WJLOP #4 Emptied all drip & sample buckets - comp 2, 3, 4, 5, 6 and both WJ RMS.							
Name: LADWIG	First Eng Initial: <i>LD</i>	Day: Thursday	Date: 8-27-2015				