MARITEC TANKER MANAGEMENT	ECR. 4.0 - AUXILIARY ENGINE PERFORMANCE	**Date** **Page No** **Made by** **Approved by** **Rev. No**	**:** **:** **:** **:** **:**	**10/08/2018** **1 of 1** **QHSE** **MD** **0**

Performance Sheet -- Generator Engine

Vessel	Bitu atlantic			Ship No.	
Voyage No.	001L	From:	Port Louis	To:	Togo,Lome
Temperature	Eng. Room	37		Barometric Press	
	Sea Water	22			hPa

Gen. Engine	**NO.1 ENG.**		Engine Type	6N21AL-UV	Eng. No.	5513FTN	Total Run. Hours	31697					
Date & Hour	2018/11/30 9:00		Last Overhaul Date	2017/05/07	Running Hour From Last Overhaul	2881							
Output & Speed	Rated Output	800	kW	900	min-1	Generator Output	600	kW	Mfg. No.				
Cylinder No.	Ave.	1	2	3	4	5	6	7	8				
Max. Pressure	kg/cm2	118.67	118	118	118	120	118	120					
Exhaust Temp.	deg C	352.67	355	350	353	352	358	348					
Fuel Pump Rack	mm	29.67	29.0	30.0	30.0	30.0	29.0	30.0					
Temp: deg C	Lub. Oil Oil Cooler	Inlet	77	Cooling Water Engine	Inlet	74	Cooling Water Oil Cooler	Inlet	45	Cooling Water Air Cooler	Inlet	45	
		Outlet	71		Outlet	80		Outlet	46		Outlet	45	
	Exhaust Turbocharger	Inlet Upper	468	Generator Bearing	Coupling Side		Fuel Oil	120.0					
		Inlet Lower	460		Other Side		Boost Air	56					
		Outlet											
Press:	kg/cm2	Eng. L.O.	5.40	T/C L.O.	3.40	Jacket. W	3.20	Sea W.	2.3000	F.O.	5.20	Boost Air	1.60
Other	Turbocharger Speed min-1		Governor Rack Scale mm										
Fuel Oil Consumption:		g/kW-h	at:		deg C								

Gen. Engine	**NO.2 ENG.**		Engine Type		Eng. No.	5514FTN	Total Run. Hours	32255					
Date & Hour	2018/11/30 10:00		Last Overhaul Date	2018/09/24	Running Hour From Last Overhaul	343							
Output & Speed	Rated Output	800	kW	900	min-1	Generator Output	600	kW	Mfg. No.				
Cylinder No.	Ave.	1	2	3	4	5	6	7	8				
Max. Pressure	kg/cm2	119.17	118	121	119	119	120	118					
Exhaust Temp.	deg C	328.33	346	318	310	330	325	341					
Fuel Pump Rack	mm	28.50	28.0	28.0	29.0	29.0	28.0	29.0					
Temp: deg C	Lub. Oil Oil Cooler	Inlet	73	Cooling Water Engine	Inlet	78	Cooling Water Oil Cooler	Inlet	45	Cooling Water Air Cooler	Inlet	45	
		Outlet	64		Outlet	83		Outlet	46		Outlet	45	
	Exhaust Turbocharger	Inlet Upper	465	Generaor Bearing	Coupling Side		Fuel Oil	120					
		Inlet Lower	458		Other Side		Boost Air	54					
		Outlet											
Press:	MPa	Eng. L.O.	5.6000	T/C L.O.	3.5000	Jacket. W	3.0000	Sea W.	2.3000	F.O.	5.1000	Boost Air	1.700
Other	Turbocharger Speed min-1		Governor Rack Scale mm										
Fuel Oil Consumption:		g/kW-h	at:		deg C								

Gen. Engine	**NO.3 ENG.**		Engine Type	6N21AL-UV	Eng. No.	5515FTN	Total Run. Hours	32960					
Date & Hour	2018/11/30 11:00		Last Overhaul Date	2018/08/15	Running Hour From Last Overhaul	350							
Output & Speed	Rated Output	800	kW	900	min-1	Generator Output	600	kW	Mfg. No.				
Cylinder No.	Ave.	1	2	3	4	5	6	7	8				
Max. Pressure	kg/cm2	117.00	117	115	116	115	119	120					
Exhaust Temp.	deg C	330.00	340.0	320.0	330.0	330.0	330.0	330.0					
Fuel Pump Rack	mm	28.50	29.0	28.0	29.0	29.0	27.0	29.0					
Temp: deg C	Lub. Oil Oil Cooler	Inlet	72	Cooling Water Engine	Inlet	78	Cooling Water Oil Cooler	Inlet	45	Cooling Water Air Cooler	Inlet	45	
		Outlet	63		Outlet	81		Outlet	46		Outlet	45	
	Exhaust Turbocharger	Inlet Upper	466	Generaor Bearing	Coupling Side		Fuel Oil	120					
		Inlet Lower	455		Other Side		Boost Air	54					
		Outlet											
Press:	MPa	Eng. L.O.	5.5000	T/C L.O.	3.3000	Jacket. W	3.5000	Sea W.	2.3000	F.O.	5.0000	Boost Air	1.700
Other	Turbocharger Speed min-1		Governor Rack Scale mm										
Fuel Oil Consumption:		g/kW-h	at:		deg C								

F.O. Received at:		LCV:		MJ/kg	Density@15 deg C:		vis.: @50 deg C:	cSt
Chief Engineer:	Andreisanu Dumitru		Approved By:					

ATLANTIC RAINBOW SHIPPING COMPANY S.A.
CHIEF ENGINEER
BITU ATLANTIC

To be completed Monthly basis and forwarded by Email & filed onboard in ECR 4.0 folder