



ECR. 4.0 - AUXILIARY ENGINE PERFORMANCE

Date : 10/08/2018
Page No : 1 of 1
Made by : QHSE
Approved by : MD
Rev. No : 0

Performance Sheet -- Generator Engine

Vessel	Bitu atlantic										Ship No.														
Voyage No.	From: Nantong										To: Kemaman														
Temperature	Eng. Room	39										Barometric Press													
	Sea Water	29										hPa													
Gen. Engine	NO.1 ENG.			Engine Type				6N21AL-UV			Eng. No.		5513FTN		Total Run. Hours		31407								
Date & Hour	2018/10/30 14:00			Last Overhaul Date				2017/05/07			Running Hour From Last Overhaul		2613												
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		120		118		118		118		120													
Exhaust Temp.	deg C	352.67		360		360		350		345		351		350											
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	78		Cooling Water Engine		Inlet	76		Cooling Water Oil Cooler		Inlet	45		Cooling Water Air Cooler		Inlet	46							
		Outlet	71				Outlet	81				Outlet	46				Outlet	46							
	Exhaust Turbocharger	Inlet Upper	467		Generaor Bearing		Coupling Side				Fuel Oil		120.0												
		Inlet Lower	460				Other Side				Boost Air		56												
Outlet																									
Press:	kg/cm2	Eng. L.O.		5.30		T/C L.O.		3.40		Jacket. W		3.50		Sea W.		2.3000		F.O.		5.20		Boost Air		1.70	
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				6N21AL-UV			Eng. No.		5514FTN		Total Run. Hours		32118								
Date & Hour	2018/10/30 15:00			Last Overhaul Date				2018/09/24			Running Hour From Last Overhaul		206												
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	120.33		122		121		120		119		120		120											
Exhaust Temp.	deg C	326.67		350		320		310		320		320		340											
Fuel Pump Rack	mm	28.00		28.0		28.0		28.0		28.0		28.0		28.0											
Temp: deg C	Lub. Oil Oil Cooler	Inlet	74		Cooling Water Engine		Inlet	79		Cooling Water Oil Cooler		Inlet	45		Cooling Water Air Cooler		Inlet	46							
		Outlet	63				Outlet	84				Outlet	46				Outlet	46							
	Exhaust Turbocharger	Inlet Upper	470		Generaor Bearing		Coupling Side				Fuel Oil		120												
		Inlet Lower	460				Other Side				Boost Air		54												
Outlet																									
Press:	MPa	Eng. L.O.		5.5000		T/C L.O.		3.2000		Jacket. W		3.5000		Sea W.		2.3000		F.O.		5.0000		Boost Air		1.600	
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		32010								
Date & Hour	2018/10/30 16:00			Last Overhaul Date				2018/08/15			Running Hour From Last Overhaul		24												
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	116.00		115		115		115		118		118													
Exhaust Temp.	deg C	330.00		340.0		320.0		330.0		330.0		330.0		330.0											
Fuel Pump Rack	mm	28.17		29.0		28.0		28.0		29.0		28.0		27.0											
Temp: deg C	Lub. Oil Oil Cooler	Inlet	66		Cooling Water Engine		Inlet	78		Cooling Water Oil Cooler		Inlet	45		Cooling Water Air Cooler		Inlet	46							
		Outlet	60				Outlet	81				Outlet	46				Outlet	46							
	Exhaust Turbocharger	Inlet Upper	450		Generaor Bearing		Coupling Side				Fuel Oil		120												
		Inlet Lower	455				Other Side				Boost Air		52												
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:														



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