



Reederei Köpping

# Main Engine - Sulzer RTA62U Power test run

Form  
ME01c

Rev. 1

MV m/v "Lantau Ace"

Date 2021-01-29 Time 10:00

Engine S/N AA 1302

Voyage No. 130W

Running hours 91751

## General data & Conditions

Nominal power	17760.00	Draft fwd / aft	9.00 / 9.40	E/R Temp.	34.0	Outside air temp.	24.0
Max. engine rev.	113.00	Displacement	20740	Sea condition	2	Air pressure	1074
Governor type	DSU	Ship's speed	16.00	Ship's course	27	Wind - direction / bft	35 / 2
						Current - direction / speed	15 / 0.4

## Engine

Engine revolutions 86.0 Load % 42 Load indicator (Gov.) 4.5 VIT / FQS N/A

## Turbocharger & Charge Air Cooler

T/C Type	VTR	T/C 1 - Exhaust gas temp. (in/out)	426.0 / 169.0	Scav. air pressure	1.9
T/C 1 Revolutions	0	T/C 2 - Exhaust gas temp. (in/out)	407.0 / 279.0	Scav. air temperature	43.0
T/C 2 Revolutions	12000	T/C 1 - Air temperature (in/out)	36.0 / 36.0	CAC 1 - Diff. pressure	0
		T/C 2 - Air temperature (in/out)	36.0 / 159.0	CAC 2 - Diff. pressure	0
		CAC 1 / 2 - Air temperature (out)	43.0 / 43.0		
		Exhaust gas manifold - Pressure / Temp.	4.2 / 350.0		

## Fuel Oil

Automatic Filter Type		Backflush cycles per day	12
Separator Type			
Grade	180	Engine - Pressure (in/out)	10.6 / 4.5
Density	931.6	Engine inlet - Temp. / Visc.	67.0 / 13.0
Sulphur	0.5	Day tank temperature	62.0
Water	0.1	Consumption [kg/h]	1370.0
Carbon	3.4	specific Consumption	1300.0

## Lubricating & Cylinder Oil

LO Type	Navico 6 SO	Auto. Filter Type		Backflush cycles per day	12
		Separator Type		Separator Temperature	
Cyl. Oil Type	40	Hydraulic pressure		Cyl. Oil Consumption [kg/h]	5.0
				spec. Cyl. Oil Consumption	5.0
Engine - Bearing press.	3.4	Engine / Thrust bearing - Temp. (in)	40.0 / 44.0	LO Consumption [l/d]	130.0
Crosshead - Pressure	10.9	T/C 1 - Turbine / Blower - Temp. (in)	73.0 / 29.0		
Ax. Detuner DE - Press.	2.9	T/C 2 - Turbine / Blower - Temp. (in)	82.0 / 70.0		
Ax. Detuner NDE - Press.	2.7	Piston oil - Temp. (in)	44.0		

## Indicator Type

	Cyl.1	Cyl.2	Cyl.3	Cyl.4	Cyl.5	Cyl.6	Cyl.7	Cyl. 8
Exhaust gas temperature (Engine)	360.0	350.0	350.0	355.0	350.0	340.0	360.0	350.0
Exhaust gas temperature (ECR)	361.0	347.0	355.0	354.0	349.0	343.0	358.0	355.0
Cylinder Jacket Water - Temperature (out)	84.0	82.0	83.0	82.0	84.0	83.0	85.0	85.0
Piston Cooling Oil - Temperature (out)	58.0	59.0	61.0	60.0	60.0	62.0	57.0	60.0
Mean indicated pressure	9.0	10.0	9.6	9.5	8.4	9.2	9.1	10.2
Compression pressure	87.7	92.0	90.4	89.5	93.1	88.4	88.6	91.7
Firing Pressure	120.0	121.0	120.0	122.0	124.0	120.0	119.0	120.0

## Cooling Water Systems

Sea Water	LT Cooling Water	Jacket Water
Pressure		Pressure
Temperature		4.1
Centr. Cool. 1 - T (in)	CAC 1 / 2 - Pressure (in)	Engine - Temp. (in/out)
Centr. Cool. 1 - T (out)	FW Cool. 1 - Temp (in/out)	60.0 / 81.0
Centr. Cool. 2 - T (in)	FW Cool. 2 - Temp (in/out)	J.W. Cooler - Temp. (in/out)
Centr. Cool. 2 - T (out)	J.W. Cool. - Temp. (in/out)	81.0 / 60.0
	CAC 1 - Temp. (in/out)	T/C 1/2 - Bear cas. - T (out)
	CAC 2 - Temp. (in/out)	74.0 / 76.0
		T/C 1/2 - Gas o. cas. - T (out)
		74.0 / 76.0

Remarks

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