

28.08.2008, 08:16

engine power 100 %

engine type	6L 48/60 B	ambient pressure	968 mbar
engine No.	1130441	ambient temperature	22 °C
turbocharger type	TCA55-40025	relative humidity	60 %
turbocharger No.	7000168	abs ambient humidity	10,51 g/kg
attached pumps	2	luboil spec.	Shell Argina T40
testbed No.	29	fuel spec.	MDO
waterbrake type	Zöllner 16u160F	lower calorific value	42.075 kJ/kg
		V.I.T.	+ 20

## Power

eng.speed	501	1/min
force waterbrake	126,1	kN
engine power	6.317	kW
mean eff.pressure	23,2	bar

## Fuel

fuel temp.eng.inlet	27 °C
fuel press.eng.inlet	6,3 bar
cor. fuel massflow	1.210 kg/h
s.f.o.c. (42700 kJ/kg, ISO)	187,9 g/kWh

## Governor

load indicator governor	8,0	scale
pump index (MV)	60	mm

cyl.	1	2	3	4	5	6	7	8	9	10
	60	60	60	60	60	60				

## Charge Air

air temp.comp.inlet	21	°C
air temp.comp.outlet	201	°C
charge air temp.	43	°C
charge air press.	3.000	mbar
diff.air press. intercooler	14	mbar

## Firing Pressure

cyl.	1	2	3	4	5	6	7	8	9	10
max.press.ind.cook (MV)	190	190	190	189	191	191				

## Exhaust Gas

cyl.	1	2	3	4	5	6	7	8	9	10
exh.gas temp.cyl.outlet MV	348	°C	356	340	351	336	360	343		
exh.gas temp.turb.inlet	479	°C								
exh.gas temp.turb.outlet	308	°C								
exh.gas press.turb.inlet	1.995	mbar								
exh.gas press.turb.outlet	24	mbar								
TC.speed	17.750	1/min								

## Lubricating Oil

lub.oil press.eng.inlet	4,1	bar	lub.oil temp.eng.inlet	55	°C
lub.oil press.turb.inlet	1,6	bar	lub.oil temp.eng.outlet	62	°C
			lub.oil temp.turb.outlet	80	°C

## Cooling Water

cw.press.eng.inlet	3,9	bar	cw.temp.eng.inlet	85	°C
cw.press.noz.inlet	3,8	bar	cw.temp.eng.outlet	91	°C
cw.press.IC LT inlet	3,3	bar	cw.temp.noz.inlet	50	°C
cw.temp.IC HT inlet	68	°C	cw.temp.noz.outlet	54	°C
cw.temp.IC HT outlet	85	°C			
cw.temp.IC LT inlet	31	°C			
cw.temp.IC LT outlet	39	°C			

## Bearing

No.	01	1	2	3	4	5	6	7	8	9	10	11
main bearing temperature	°C	69	76	78	78	79	78	78	74			
splashoil temperature	°C		73	73	73	73	73	73				

crankcase press.	1,0	mbar	smoke AVL	0,11
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Remarks: leak oil --- ml / min.