

## PERFORMANCE AND VIBRATION TRIALS OF MEs & SHAFTING

### MAIN ENGINE PARAMETER SHEET REMOTE

Ser	Parameter	Unit	PME	SME	CME	PME	SME	CME
(a)	Mode	AH/AS						
(b)	ERPM	RPM						
(c)	Shaft RPM	RPM						
(d)	Fuel injection Qty	%						
(e)	Engine Oil Pressure	Bar						
(f)	Coolant Pressure	Bar						
(g)	Charge Air Pressure	Bar						
(h)	Gear box lub oil Pressure	Bar						
(j)	Gear box Control Oil Pressure	Kg/cm <sup>2</sup>						
(k)	Pressure Crankcase	mbar						
(l)	Sea Water Pressure	Bar						
(m)	Fuel Pressure	Bar						
(n)	Lub oil Temperature	°C						
(p)	Coolant EMU Temperature	°C						
(q)	Charge Air Temperature	°C						
(r)	G/Box Lub Oil Temperature	°C						
(s)	Exhaust Comb A/B	°C						
(t)	Exhaust A1/B1	°C						
(u)	Exhaust A2/B2	°C						
(v)	Exhaust A3/B3	°C						
(w)	Exhaust A4/B4	°C						
(x)	Exhaust A5/B5	°C						
(y)	Exhaust A6/B6	°C						
(z)	Exhaust A7/B7	°C						
(aa)	Exhaust A8/B8	°C						
(ab)	Exhaust Mean	°C						
(ac)	Charge Air Sequential temperature	°C						
(ad)	ETC 1 Speed KRPM	KRPM						
(ae)	ETC 2 Speed KRPM	KRPM						
(af)	Intake Air Temperature	°C						
(ag)	Plummer Block Temperature	°C						
(ah)	Jet Hydraulic Oil Pressure	Bar						
(aj)	Jet Hydraulic Oil Temperature	°C						

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(ad)	ETC 1 Speed KRPM	KRPM						
(ae)	ETC 2 Speed KRPM	KRPM						
(af)	Intake Air Temperature	°C						
(ag)	Plummer Block Temperature	°C						
(ah)	Jet Hydraulic Oil Pressure	Bar						
(aj)	Jet Hydraulic Oil Temperature	°C						

**LOCAL PARAMETER READINGS OF HEAT EXCHANGERS / COOLERS**  
**BY NON CONTACT TEMPERATURE GUN**  
**INS**

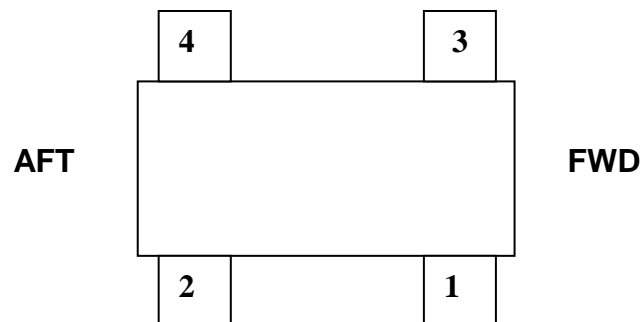
Ser.	Description	Unit	PME	SME	CME	PME	SME	CME
	MODE	AH/AS						
1	ERPM	RPM						
2	SRPM	RPM						
3	L.O. TEMP. ENGINE INLET	°C						
4	L.O. TEMP. ENGINE OUTLET	°C						
5	F.W. TEMP. ENGINE INLET	°C						
6	F.W. TEMP. ENGINE OUTLET	°C						
7	FW INLET TEMP TO L.O. COOLER	°C						
8	FW OUTLET TEMP. FROM L.O. COOLER	°C						
9	FW INLET TEMP. TO H/E	°C						
10	FW OUTLET TEMP. FROM H/E	°C						
11	SW INLET TEMP. TO INTER COOLER	°C						
12	SW OULET TEMP. FROM INTERCOLER	°C						
13	GB L.O. INLET TEMP. TO COOLER	°C						
14	GB L.O. OUTLET TEMP. FROM COOLER	°C						
15	PLUMMER BLOCK TEMP.	°C						
16	FWD SEAL TEMP	°C						
17	ERPM BY STROBOSCOPE	RPM						
18	SRPM BY STROBOSCOPE	RPM						
19	GB LUB OIL PR AFTER PP	kg/cm2						
20	CLUTCH OIL PR AHEAD	kg/cm2						
21	CLUTCH OIL PR ASTERN	kg/cm2						
22	COLLECTIVE EXH TEMP	°C						
23	STERNTUBE LUB OIL TEMP	°C						
24	JET HYDRAULIC OIL LUB OIL TEMP	°C						

Ser.	Description	Unit	PME	SME	CME	PME	SME	CME
	<b>MODE</b>	<b>AH/AS</b>						
1	<b>ERPM</b>	RPM						
2	<b>SRPM</b>	RPM						
3	<b>L.O. TEMP. ENGINE INLET</b>	°C						
4	<b>L.O. TEMP. ENGINE OUTLET</b>	°C						
5	<b>F.W. TEMP. ENGINE INLET</b>	°C						
6	<b>F.W. TEMP. ENGINE OUTLET</b>	°C						
7	<b>FW INLET TEMP TO L.O. COOLER</b>	°C						
8	<b>FW OUTLET TEMP. FROM L.O. COOLER</b>	°C						
9	<b>FW INLET TEMP. TO H/E</b>	°C						
10	<b>FW OUTLET TEMP. FROM H/E</b>	°C						
11	<b>SW INLET TEMP. TO INTER COOLER</b>	°C						
12	<b>SW OULET TEMP. FROM INTERCOLER</b>	°C						
13	<b>GB L.O. INLET TEMP. TO COOLER</b>	°C						
14	<b>GB L.O. OUTLET TEMP. FROM COOLER</b>	°C						
15	<b>PLUMMER BLOCK TEMP.</b>	°C						
16	<b>FWD SEAL TEMP</b>	°C						
17	<b>ERPM BY STROBOSCOPE</b>	RPM						
18	<b>SRPM BY STROBOSCOPE</b>	RPM						
19	<b>GB LUB OIL PR AFTER PP</b>	kg/cm2						
20	<b>CLUTCH OIL PR AHEAD</b>	kg/cm2						
21	<b>CLUTCH OIL PR ASTERN</b>	kg/cm2						
22	<b>COLLECTIVE EXH TEMP</b>	°C						
23	<b>STERNTUBE LUB OIL TEMP</b>	°C						
24	<b>JET HYDRAULIC OIL LUB OIL TEMP</b>	°C						

1. Vibration trials.

Ser.	Measuring Point	Direction	PME	SME	CME
(a)	Engine free end	V			
		A			
		H			
(b)	Engine drive end	V			
		A			
		H			
(c)	Gear box input	V			
		A			
		H			
(d)	Gear box top	V			
(e)	Gear box output	V			
		A			
		H			
(f)	Bearing Housing	V			
		A			
		H			

2. Attenuation checks across mounts.



SL	DESCRIPTION	PME		SME		CME		REM
01	TOP							
	BOTTOM							
	%							
02	TOP							
	BOTTOM							
	%							
03	TOP							
	BOTTOM							
	%							
04	TOP							
	BOTTOM							
	%							