

DATE: _____

350 kW DA PARAMETER SHEET - IN LCU L**1. PARAMETER READINGS -**

<u>LOCAL CONTROL PANEL</u>										
Ser.	DESCRIPTION	UNIT	RANGE	IDLE	25%	50%	60%	75 %	100 %	100 %
1	TIME	HRS	-							
2	RPM	RPM	1500							
3	L.O. PRESSURE	KG/CM ²	-							
4	S.W. PRESSURE	KG/CM ²	-							
5	F.W. PRESSURE	KG/CM ²	-							
6	L.O. TEMP.	°C	80-116							
7	F.W. TEMP	°C	75-96							
8	EXHT. TEMP	°C	575							
9	LOAD	KW	-							
10	VOLT	V	-							
11	CURRENT	AMPS	-							
12	RPM (BY STROBE)	RPM	-							
<u>REMOTE PANEL (MCR)</u>										
13	RPM	RPM	1500							
14	L.O. PRESSURE	KG/CM ²	-							
15	S.W. PRESSURE	KG/CM ²	-							
16	L.O. TEMP.	°C	80-116							
17	F.W. TEMP	°C	75-96							
18	EXHT. TEMP	°C	575							
19	Barometer Readings									
20	Smoke condition									
<u>PARAMETERS BY NON CONTACT TEMPERATURE GUN</u>										
19	F.W. COOLER IN TEMP	°C	-							
20	F.W. COOLER OUT TEMP	°C	-							
21	SW IN TEMP TO F.W. COOLER	°C	-							
22	SW OUT TEMP FW COOLER	°C	-							
23	L.O. COOLER IN TEMP.	°C	-							
24	L.O. COOLER OUT TEMP.	°C	-							
25	FW IN TEMP. (L.O. COOLER)	°C	-							
26	FW OUT TEMP. (L.O. COOLER)	°C	-							

2. **Vibration trials**

S. NO.	DESCRIPTION	60 % LOAD			100 % LOAD		
		H	V	A	H	V	A
(A)	ENGINE FREE END						
(B)	ENGINE DRIVE END						
(C)	ALTERNATOR DRIVE END						
(D)	ALTERNATOR FREE END						

3. **Attenuation checks**

1	2	3	4
ENGINE		ALTERNATOR	
5	6	7	8

Attenuation At 60% rated load

POSITION	VIB READINGS OF MOUNTS							
	1	2	3	4	5	6	7	8
TOP								
BOTTOM								
ATTENUATION %AGE								

Attenuation At 100% rated load

POSITION	VIB READINGS OF MOUNTS							
	1	2	3	4	5	6	7	8
TOP								
BOTTOM								
ATTENUATION %AGE								

4. **SPM readings**

<u>Ser</u>	<u>DESCRIPTION</u>	<u>0 % LOAD</u> <u>dbm/dbc</u>	<u>60 % LOAD</u> <u>dbm/dbc</u>	<u>100 % LOAD</u> <u>dbm/dbc</u>
(A)	ALTERNATOR DRIVEN END			
(B)	ALTERNATOR FREE END			

5. **SDC Checks.**

SL. NO	DESCRIPTION	UNIT	DESIGN VALUE	DA
(A)	LOW LO PR ALARM	KG/CM ²	1.2	
(B)	LOW LO PR TRIP	KG/CM ²	0.8	
(C)	HIGH LO TEMP ALARM	°C	119	
(D)	HIGH COOLING WATER TEMP. ALARM	°C	90 ± 2	
(E)	HIGH COOLING WATER TEMP. TRIP	°C	96 ± 2	

(F)	OVER SPEED TRIP	RPM	1650	
(G)	HIGH EXHAUST TEMP ALARM	°C	575	
(H)	CRASH STOP LOCAL	OPS/NON OPS		
(J)	CRASH STOP REMOTE	OPS/NON OPS		
(K)	LOW SW PRESSURE ALARM	KG/CM ²	0.1	