

Generating Set Functional Test Report
In accordance with ISO 8528 - 6 2005

PLANT NUMBER: EC1773 CE: NO

RATED OUTPUT	KVA	<u>1250</u>	RATING CLASSIFICATION	<u>PRP</u>	
	KW	<u>1000</u>			
	PHASE	<u>3</u>			
	VOLTS	<u>400/230</u>		PERFORMANCE CLASS	<u>GT</u>
	AMPS	<u>1804</u>			(AS DEFINED BY ISO 8528-1)
	HZ	<u>50</u>			
	RPM	<u>1500</u>			
GOVERNOR TYPE	<u>ELECTRONIC</u>	COOLING METHOD	<u>WATERCOOLED</u>		

ENGINE MAKE	<u>PERMINS</u>	BUILD NUMBER	<u>DGKM6096</u>
ENGINE MODEL	<u>4012-46TNG2</u>	SERIAL NUMBER	<u>U15865U</u>
ALTERNATOR MAKE	<u>LEROY-SOMER</u>		
ALTERNATOR MODEL	<u>LSA50-2MB</u>	SERIAL NUMBER	<u>247611/4</u>
CONTROL PANEL(S)	<u>FREELINE</u>	SERIAL NUMBER(S)	
SWITCHGEAR	<u>—</u>	SERIAL NUMBER(S)	

LOAD TEST RESULTS (AT UNITY POWER FACTOR)

LOAD TYPE	LOAD %	HZ	VOLTS	AMPS	KW	ENGINE TEMP DEG C	OIL TEMP DEG C	OIL PRESS BAR
load acceptance	<u>72</u>	<u>50.0</u>	<u>400</u>	<u>1039</u>	<u>720</u>	<u>—</u>	<u>—</u>	<u>5.2</u>
standby/ prime+10%	<u>110%</u>	<u>50.0</u>	<u>400</u>	<u>1588</u>	<u>1100</u>	<u>73</u>	<u>—</u>	<u>4.6</u>

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP

AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M)

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(UNITS WITH ACOUSTIC CANOPIES ONLY & MEASURED UNDER TEST BAY CONDITIONS AT 75% LOAD IN ACCORDANCE WITH ISO8528-10)

AMBIENT TEST CONDITIONS		FUEL/OIL USED	
ALTITUDE (M)	Sea Level	FUEL SPEC	<u>BS2869A2</u>
BAROMETRIC PRESSURE (kpa)	<u>101.0</u>	DENSITY	<u>0.84 kg/l</u>
TEMPERATURE (Deg c)	<u>19</u>	CALORIFIC VALUE	<u>42.5 MJ/kg</u>
HUMIDITY (%)	<u>56</u>	LUB OIL SPEC	<u>Multigrade</u>

WIRING DIAGRAMS:

ENGINE	<u>10-168300</u>	CONTROL PANEL(S)	
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TESTED BY

I. JOHNSON

DATE

11/08/2010