

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

PLANT NUMBER: E9082 CE: No

RATED OUTPUT	KVA	<u>60</u>	RATING CLASSIFICATION	<u>PPP</u>			
	KW	<u>48</u>					
	PHASE	<u>3</u>					
	VOLTS	<u>380/220</u>			PERFORMANCE CLASS	<u>CA</u>	
	AMPS	<u>91</u>					(AS DEFINED BY ISO 8528-1)
	HZ	<u>50</u>					
	RPM	<u>1500</u>					
GOVERNOR TYPE	<u>Mechanical</u>	COOLING METHOD	<u>Water Cooled</u>				

ENGINE MAKE	<u>Perkins</u>	BUILD NUMBER	<u>DK51436</u>
ENGINE MODEL	<u>1103A-33TG2</u>	SERIAL NUMBER	<u>U210610T</u>
ALTERNATOR MAKE	<u>Stamford</u>	SERIAL NUMBER	<u>0263610/013</u>
ALTERNATOR MODEL	<u>UCI224E</u>	SERIAL NUMBER(S)	
CONTROL PANEL(S)	<u>Autostart</u>	SERIAL NUMBER(S)	
SWITCHGEAR	<u>ATS</u>	SERIAL NUMBER(S)	

LOAD TEST RESULTS (AT UNITY POWER FACTOR)

LOAD		HZ	VOLTS	AMPS	KW	ENGINE TEMP DEG C	OIL TEMP DEG C	OIL PRESS BAR
type	%							
load acceptance	<u>85%</u>	<u>50.8</u>	<u>380</u>	<u>62</u>	<u>41</u>	<u>-</u>	<u>-</u>	<u>4.7</u>
standby / prime+10%	<u>110%</u>	<u>50.0</u>	<u>380</u>	<u>80</u>	<u>53</u>	<u>89</u>	<u>-</u>	<u>3.8</u>

GENERATING SET ENCLOSURE MECHANICAL PROTECTION IP

AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M)

(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)	<u>Sea Level</u>	FUEL SPEC	<u>BS2869A2</u>
BAROMETRIC PRESSURE (kpa)	<u>101.7</u>	DENSITY	<u>0.84 kg/l</u>
TEMPERATURE (Deg c)	<u>7</u>	CALORIFIC VALUE	<u>42.5 MJ/kg</u>
HUMIDITY (%)	<u>87</u>	LUB OIL SPEC	<u>Multigrade</u>

WIRING DIAGRAMS:

ENGINE	<u>05-125600</u>	CONTROL PANEL(S)	<u>AM3-09B</u>
			<u>AM3-301</u>

TESTED BY H. W. W.

DATE 09/11/2009