

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9853 CE: Yes

RATED OUTPUT	KVA	21	RATING CLASSIFICATION	PRP	
	KW	16.8			
	PHASE	1			
	VOLTS	240		PERFORMANCE CLASS	G1
	AMPS	87			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			Mechanical	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	DJS1434
ENGINE MODEL	1103A-33G	SERIAL NUMBER	U250899U
ALTERNATOR MAKE	Mecc Alte	SERIAL NUMBER	0001426986
ALTERNATOR MODEL	ECO 32-2S/4	SERIAL NUMBER(S)	
CONTROL PANEL(S)	Autostart	SERIAL NUMBER(S)	
SWITCHGEAR		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	100%	50.3	240	70	17	—	—	4.8
standby/ prime+10%	110%	50.0	240	77	18	81	—	4.3

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)	Sea Level	FUEL SPEC	BS2869A2
BAROMETRIC PRESSURE (kpa)	102.3	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	13	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	72	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:	
ENGINE 08-156700	CONTROL PANEL(S) 10-170700

TESTED BY H. Wall

DATE 12/10/2010