

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9793 CE: NO

RATED OUTPUT	KVA	30	RATING CLASSIFICATION	PND	
	KW	24			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	63			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			MECHANICAL	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	DJ504034
ENGINE MODEL	1103A-33G	SERIAL NUMBER	U2462304
ALTERNATOR MAKE	MECCALTE		
ALTERNATOR MODEL	E1028-VL-4	SERIAL NUMBER	0001436090
CONTROL PANEL(S)	AUTO START	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	90	50.4	400	32	22	—	—	4.4
standby/ prime+10%	110%	50.0	400	38	26	83	—	4.2

GENERATING SET ENCLOSURE MECHANICAL PROTECTION IP
 AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M) 75
(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)	101.1	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	22	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	60	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:	
ENGINE 06-130700	CONTROL PANEL(S) 10-170300

TESTED BY I. JOHNSON

DATE 22/09/2010