

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

PLANT NUMBER: E9904 CE: No

RATED OUTPUT	KVA	45	RATING CLASSIFICATION	PRP		
	KW	36				
	PHASE	3				
	VOLTS	380/220		PERFORMANCE CLASS	G1	
	AMPS	68				(AS DEFINED BY ISO 8528-1)
	HZ	50				
	RPM	1500				
GOVERNOR TYPE			Mechanical	COOLING METHOD	WATERCOOLED	

ENGINE MAKE	Perkins	BUILD NUMBER	DKS1435
ENGINE MODEL	1103A-33TG1	SERIAL NUMBER	U247711U
ALTERNATOR MAKE	Mecc Alte		
ALTERNATOR MODEL	ECO32-1L/4	SERIAL NUMBER	0001438456
CONTROL PANEL(S)	Manual 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	380	49	32	-	-	6.0
standby/prime+10%	110%	50.0	380	60	40	84	-	4.1

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)	101.1	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	16	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	72	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:			
ENGINE	06-130700	CONTROL PANEL(S)	10-170800
			10-

TESTED BY *H. W. G. L.*

DATE 30/09/2010