

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9659 CE: Do

RATED OUTPUT	KVA	13	RATING CLASSIFICATION	PRP	
	KW	10.4			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	18.8			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			Mechanical	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	GK65597
ENGINE MODEL	403D-15G	SERIAL NUMBER	U594745T
ALTERNATOR MAKE	Macc Alte		
ALTERNATOR MODEL	ECO.3-2LN/4	SERIAL NUMBER	0001406004
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	80%	50.6	400	12	8.3	—	—	5.2
standby/ prime+10%	110%	50.0	400	16.5	11.4	81	—	4.5

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)	101.4	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	16	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	77	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:	
ENGINE 08-152300	CONTROL PANEL(S) Am3-986F

TESTED BY H. Wal

DATE 17/06/2010