

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E0784 CE: NO

RATED OUTPUT	KVA	13	RATING CLASSIFICATION	POP	
	KW	10.4			
	PHASE	3			
	VOLTS	415/240		PERFORMANCE CLASS	G1
	AMPS	18			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			MECHANICAL		
COOLING METHOD			WATERCOOLED		

ENGINE MAKE	PERUMINS	BUILD NUMBER	GK65597
ENGINE MODEL	403D - VSG	SERIAL NUMBER	US914707T
ALTERNATOR MAKE	WECC - ALTE	SERIAL NUMBER	0DD1405814
ALTERNATOR MODEL	EC03 - 2LL4	SERIAL NUMBER(S)	
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	OIL TEMP	OIL PRESS
						DEG C	DEG C	BAR
load acceptance	80	50.5	416	11.5	8.3	—	—	5.1
standby/prime+10%	110%	50.0	415	15.8	11.4	82	—	4.8

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP
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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)	101.2	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	16	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	68	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	08-152300	CONTROL PANEL(S)	10-170800
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TESTED BY

E. JOHNSON

DATE

12/08/2010