

## Generating Set Functional Test Report

In accordance with ISO 8528 - 6:2005

PLANT NUMBER: E9823 CE: NO

RATED OUTPUT	KVA	60	RATING CLASSIFICATION	PDP	
	KW	48			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	C1
	AMPS	87			
	HZ	50			
RPM	1500				
GOVERNOR TYPE			MECHANICAL COOLING METHOD WATERCOOLED		

ENGINE MAKE	PERMINS	BUILD NUMBER	DMS1435
ENGINE MODEL	1103A-33762	SERIAL NUMBER	U2478724
ALTERNATOR MAKE	MELL-ALTE	SERIAL NUMBER	A1085555
ALTERNATOR MODEL	ECO32-2L/4	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 DEG C	OIL TEMP DEG C	OIL PRESS BAR
load acceptance	85	50.6	400	59	41	—	—	4.6
standby/prime+10%	110%	50.0	400	77	53	85	—	3.8

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 ISO 8528-10)

AMBIENT TEST CONDITIONS		FUEL/OIL USED	
ALTITUDE (M)	Sea Level	FUEL SPEC	BS2869A2
BAROMETRIC PRESSURE (kpa)	99.8	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	18	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	68	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:		
ENGINE	06-130700	CONTROL PANEL(S)
		AMS-986F

TESTED BY I. JOHNSON

DATE 05/10/2010