

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E8658 CE: NO

RATED OUTPUT	KVA	30	RATING CLASSIFICATION	P10	
	KW	24			
	PHASE	3			
	VOLTS	400		PERFORMANCE CLASS	G1
	AMPS	43			(AS DEFINED BY ISO 8528-1)
	HZ	50			
RPM	1500				
GOVERNOR TYPE			COOLING METHOD	WATERCOOLED	

ENGINE MAKE	PERKINS	BUILD NUMBER	D357434
ENGINE MODEL	1403A-336	SERIAL NUMBER	0238176U
ALTERNATOR MAKE	MCC - ALTE	SERIAL NUMBER	0001417563
ALTERNATOR MODEL	ECO 28-VL/4	SERIAL NUMBER(S)	
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	OIL TEMP	OIL PRESS
						DEG C	DEG C	BAR
load acceptance	80	50.6	400	31	21.6	—	—	4.6
standby/ prime+10%	110%	50	400	38	26.4	84	—	4.5

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)	1014	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	23	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	61	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:	
ENGINE	06-137100
CONTROL PANEL(S)	10-170800

TESTED BY *L. Zambelli*

DATE *07/07/2010*