

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER:

E8774

CE:

NO

RATED OUTPUT	KVA	66	RATING CLASSIFICATION	ESP	
	KW	52.8			
	PHASE	3			
	VOLTS	380		PERFORMANCE CLASS	G-1
	AMPS	100			(AS DEFINED BY ISO 8528-1)
	HZ	50			
RPM	1500				
GOVERNOR TYPE			COOLING METHOD	WATERCOOLED	

ENGINE MAKE	PERKINS	BUILD NUMBER	TK51436
ENGINE MODEL	1103A-33TG2	SERIAL NUMBER	U2443610
ALTERNATOR MAKE	MECC - ALTE	SERIAL NUMBER	A1032760
ALTERNATOR MODEL	ECO 32-244	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	85	50.5	380	68.2	44.8	—	—	4.5
standby/ prime+40%	100%	50	380	80.2	52.8	85	—	3.5

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP
75

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)	1022	DENSITY	0.84 kg/l	
TEMPERATURE (Deg c)	20	CALORIFIC VALUE	42.5 MJ/kg	
HUMIDITY (%)	46	LUB OIL SPEC	Multigrade	

WIRING DIAGRAMS:		
ENGINE	06-130700	CONTROL PANEL(S)
		10-173300 10170300

TESTED BY

L. Zambelli

DATE

11/08/2010