Generating Set Functional Test Report
In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9678/1 CE: NO

RATED OUTPUT	KVA	20	RATING CLASSIFICATION	PRP
	KW	16		
	PHASE	3		
	VOLTS	415	PERFORMANCE CLASS	G1
	AMPS	28	(AS DEFINED BY ISO 8528-1)	
	HZ	50		
	RPM	1500		
GOVERNOR TYPE			COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	GN6573ZU
ENGINE MODEL	404D-22G	SERIAL NUMBER	9836551
ALTERNATOR MAKE	MECC-ALTE		
ALTERNATOR MODEL	ECO 28-1L/4	SERIAL NUMBER	A10900850
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	50,7	415	17,8	12,8	—	—	5,1
standby/ prime+10%	110%	50	415	24,5	17,6	84	—	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)	1016	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	19	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	64	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

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

TESTED BY L. Zanieboni

DATE 08/07/2010

Generating Set Functional Test Report
In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9678/2 CE: NO

RATED OUTPUT	KVA	20	RATING CLASSIFICATION	PRP
	KW	16		
	PHASE	3		
	VOLTS	415	PERFORMANCE CLASS	G1
	AMPS	28	(AS DEFINED BY ISO 8528-1)	
	HZ	50		
	RPM	1500		
GOVERNOR TYPE			COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	GN657320
ENGINE MODEL	404D-22G	SERIAL NUMBER	889631T
ALTERNATOR MAKE	MECC-ALTE		
ALTERNATOR MODEL	ECO 28-1L/4	SERIAL NUMBER	A1080086
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	503	416	17,8	12,8	—	—	5,1
standby/ prime+10%	110%	50	415	24,5	17,6	84	—	4,6

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)	1016	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	21	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	45	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

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

TESTED BY L. Zaremba DATE 08/07/2010