

# Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9884 CE: NO

RATED OUTPUT	KVA	65	RATING CLASSIFICATION	PDP
	KW	52		
	PHASE	3		
	VOLTS	380/220		
	AMPS	99		
	HZ	50		
	RPM	1500	PERFORMANCE CLASS (AS DEFINED BY ISO 8528-1)	G1
GOVERNOR TYPE				
			COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERUJINS	BUILD NUMBER	DS 51276
ENGINE MODEL	N06A-44761	SERIAL NUMBER	US131354
ALTERNATOR MAKE	MBELL-ALTE		
ALTERNATOR MODEL	EC032-3L4	SERIAL NUMBER	0771444112
CONTROL PANEL(S)	AVDSPACE	SERIAL NUMBER(S)	
SWITCHGEAR	A-T-S	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	100	50.3	380	79	52	-	-	6.2
standby/ prime+10%	110%	50.0	380	87	57	85	-	4.3

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)	99.7	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	18	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	73	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:			
ENGINE	06-130760	CONTROL PANEL(S)	10-173300
			10-170300

TESTED BY E. JOHNSON

DATE 05/10/2010