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

PLANT NUMBER: E9671/1 CE: NO

RATED OUTPUT	KVA	40	RATING CLASSIFICATION	PRP
	KW	32		
	PHASE	3		
	VOLTS	415/240	PERFORMANCE CLASS	G1
	AMPS	56	(AS DEFINED BY ISO 8528-1)	
	HZ	50		
	RPM	1500		
GOVERNOR TYPE		MECHANICAL	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	DKS1435
ENGINE MODEL	1103A-33TG1	SERIAL NUMBER	U242195U
ALTERNATOR MAKE	STAMFORD		
ALTERNATOR MODEL	PI 44J	SERIAL NUMBER	B10A258039
CONTROL PANEL(S)	AVRDSTANDA	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	90	50.4	415	40	28.8	–	–	4.8
standby/ prime+10%	110%	50.0	415	49	35.2	83	–	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)	101.5	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	17	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	77	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:			
ENGINE	06-137100	CONTROL PANEL(S)	10-173300
			10-170300

TESTED BY I. JOHNSON DATE 28/07/2010

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

PLANT NUMBER: E9671/2 CE: NO

RATED OUTPUT	KVA	40	RATING CLASSIFICATION	PRP
	KW	32		
	PHASE	3		
	VOLTS	415/240	PERFORMANCE CLASS	G1
	AMPS	56	(AS DEFINED BY ISO 8528-1)	
	HZ	50		
	RPM	1500		
GOVERNOR TYPE		MECHANICAL	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	DKS1435
ENGINE MODEL	1103A-33TG1	SERIAL NUMBER	U2421971
ALTERNATOR MAKE	STAMFORD		
ALTERNATOR MODEL	PI 44J	SERIAL NUMBER	B10A258038
CONTROL PANEL(S)	AVR DSE7420	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	90	50.3	415	40	28.8	-	-	4.6
standby/ prime+10%	110%	50.0	415	49	35.2	82	-	4.1

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)	101.5	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	19	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	64	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:			
ENGINE	06-137100	CONTROL PANEL(S)	10-173300
			10-170300

TESTED BY I. JOHNSON DATE 28/07/2010

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

PLANT NUMBER: E9671/3 CE: NO

RATED OUTPUT	KVA	40	RATING CLASSIFICATION	PRP
	KW	32		
	PHASE	3		
	VOLTS	415/240	PERFORMANCE CLASS	G1
	AMPS	56	(AS DEFINED BY ISO 8528-1)	
	HZ	50		
	RPM	1500		
GOVERNOR TYPE		MECHANICAL	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	DK51435
ENGINE MODEL	1103A-33TG1	SERIAL NUMBER	U2422014
ALTERNATOR MAKE	STAMFORD		
ALTERNATOR MODEL	PI 44J	SERIAL NUMBER	B10A258048
CONTROL PANEL(S)	AVR DSE	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	010	50.4	415	40	28.8	–	–	4.7
standby/ prime+10%	110%	50.0	415	49	35.2	83	–	4.1

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)	101.5	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	19	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	64	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:			
ENGINE	06-137/00	CONTROL PANEL(S)	10-173300
			10-170300

TESTED BY I. JOHNSON DATE 28/07/2010

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

PLANT NUMBER: E9671/4 CE: NO

RATED OUTPUT	KVA	40	RATING CLASSIFICATION	PRP
	KW	32		
	PHASE	3		
	VOLTS	415/240	PERFORMANCE CLASS	G1
	AMPS	56	(AS DEFINED BY ISO 8528-1)	
	HZ	50		
	RPM	1500		
GOVERNOR TYPE		MECHANICAL	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	DK5143S
ENGINE MODEL	1103A-33TG1	SERIAL NUMBER	U2422061U
ALTERNATOR MAKE	STAMFORD		
ALTERNATOR MODEL	PI 44J	SERIAL NUMBER	BL0C266684
CONTROL PANEL(S)	ANDERSTANZ	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	90	50.4	415	40	28.8	–	–	5.0
standby/ prime+10%	110%	50.0	415	49	35.2	82	–	4.4

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)	101.5	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	19	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	64	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:			
ENGINE	06-137100	CONTROL PANEL(S)	10-173300
			10-170300

TESTED BY I. JOHNSON DATE 28/07/2010