

W1158-0188

Date 5-9-1934

HARLAND AND WOLFF, LIMITED.

8/24 V

TEST of MOTOR or DYNAMO

Made 24-8-34 (Date) Tested by

SHIP No. & JOB 500/2261 For 924 G

Purpose Bilge Pump Maker A & W Ltd Maker's No. 2501

DUTY: Volts 220 R.P.M. 1600/250 BHP. 12 1/2 Time Rating Continuous

Amperes 49 1/2 at 1600 RPM Rotation C-Clock Commr End
" 25 " 1250 " " "

Line	MOTOR		GEN	R.P.M.	MOTOR FIELD		TEMPERATURE		REMARKS
	Volts	Amps			Amps	VOLTS			
220	50.1	41		1600	.62	104			Temperature limits 63°F (SHOULD INCLUDE NOTES ON COMMUTATION)
									Windings to sheet no 269M
									Motor No 2501 was coupled back to back to Bilge Pump Motor No 2526 running as generator for Hopkinson test
									Commutation sparkless up to 25% overload



Temperature Fahrenheit after 6 hours run at 49.5 A, 1600 RPM as motor

	ARMATURE			MAGNET			EXHAUST AIR	YOKE
	Core	Wndg.	Comm.	Shunt Coils	Series Coils	Inter Coils		
Machine		118	120	104	95	102	90	86
Air		74	74	74	74	74	74	74
°F		44	46	30	21	28	16	12

Bearings In order
Balance at 1980 R.P.M. In order
Endplay -
Mech. Air Gap 45 mils

Insulation Test of entire machine Hot Cold By 1000 - Volt Megger 15 megohms
Pressure withstood 2000 volts
for 5 minutes
Setting of Overload device -
N.V. Coil holds under all working conditions -

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