

Date 5-9-1934

HARLAND AND WOLFF, LIMITED.

8/24 V TEST of MOTOR or DYNAMO

Made 3/-8-34 (Date) Tested by

SHIP No. & JOB 500/2261 For 924 G

Purpose Bilge Pump Maker H & W Ltd Maker's No. 2500

DUTY: Volts 220 R.P.M. 1600/1250 BHP. 12½ Time Rating Continuous

Amperes 49½ at 1600 RPM 25 " 1250 " " " Rotation C-Clock Commr End

TIME	Line Volts	ARMATURE		R.P.M.	MOTOR FIELD		TEMPERATURE		REMARKS (SHOULD INCLUDE NOTES ON COMMUTATION)
		MOTOR Amps	GEN Amps		Amps	VOLTS			
	220	50.1	39	1600	66	94			Temperature limits 63°F Windings to sheet No 269M Motor No 2500 was coupled back to back to Bilge Pump Motor No 2501 running as generator for Hopkinson test. Commutation sparkless up to 25% overload



Temperature Fahrenheit after 6 hours run at 49½ L. 1600 RPM as motor

	ARMATURE			MAGNET			EXHAUST AIR	YOKE
	Core	Wndg.	Comm.	Shunt Coils	Series Coils	Inter Coils		
Machine		110	103	94	92	97	87	81
Air		68	68	68	68	68	68	68
Rise °F		42	35	26	24	29	19	13

Bearings In Order
Balance at 1900 R.P.M. In Order
Endplay -
Mech. Air Gap 45 mils

Insulation Test of entire machine
Hot Cold

By 1000 -Volt Megger 30 megohms
Pressure withstood 2000 volts

Setting of Overload device

N.V. Coil holds under all working conditions

