

W1158-0192

Date 15 - 8 - 1934

HARLAND AND WOLFF, LIMITED.

10/28 V

TEST of MOTOR or DYNAMO.

Made 3/-7-34 (Date) Tested by.....

SHIP No. <sup>2</sup> JOB 500/2254 For 924 GPurpose *Main S.W. Circulating P* Maker *H & W Ltd* Maker's No. 2507DUTY: Volts 220 R.P.M. 1200/1600 BHP. 24 Time Rating *Continuous*Amperes 93 at 1600 RPM  
55 " 1200 " " " *Rotation C-Clock Commr End*

TIME	Line Volts	TEMPERATURE		R.P.M.	REMARKS	
		MOTOR Amps	GEN Amps			
						Temperature Limits 63°F (SHOULD INCLUDE NOTES ON COMMUTATION)
	220	93.7	70	1590	.75 92	Windings to sheet No 266 M Motor No 2507 was coupled back to back to Main S.W. Circ P Motor No 2508 running as generator for Hopkinson test. Commutation sparkless up to 25% overload. This motor was also run for 2 hours at 25% overload

Temperature Fahrenheit after 6 hours run at 93 Amps. 1600 RPM as Motor

	ARMATURE			MAGNET			EXHAUST AIR	YOKE
	Core	Wndg.	Comm.	Shunt Coils	Series Coils	Inter Coils		
Machine		120	122	92	94	95	88	84
Air		69	69	69	69	69	69	69
Rise °F		51	53	23	25	26	19	15

Bearings *In Order*  
Balance at 1890 R.P.M. *In Order*  
Endplay -  
Mech. Air Gap 50 mils

By 1000 - Volt Megger 20 megohms

Insulation Test of entire machine  
Hot Cold

Pressure withstood 2000 volts

for 5 minutes

Setting of Overload device

Controller

N.V. Coil holds under all working conditions

2000

5 minutes

Register

Foundation

GLASGOW