

HARLAND AND WOLFF, LIMITED.

TEST of MOTOR ~~or~~ DYNAMO.

Made 28-8-34 (Date) Tested by _____

SHIP No. 8 JOB 500/2254 For 924 G

Purpose Main S.W. Circulating P. Maker H & W Ltd Maker's No. 2506

DUTY: Volts 220 R.P.M. 1200/1600 BHP. 24 Time Rating Continuous

Ampere 93 at 1600 55 " 1200 Rotation C-Clock Commr End

TIME	Line Volts	MOTOR		R.P.M.	MOTOR FIELD		TEMPERATURE		REMARKS (SHOULD INCLUDE NOTES ON COMMUTATION)
		Amps	GEN Amps		Amps	VOLTS			
	220	93.7	73	1600	76	97			Temperature limits 63°F Windings to sheet no 266M Motor no 2506 was coupled back to back to Ballast Pump Motor no 2511 running as generator for Hopkinson test Commutation sparkless up to 25% overload



Temperature Fahrenheit after 6 hours run at 93 Amps - 1600 RPM as motor

	ARMATURE			MAGNET			EXHAUST AIR	YOKE
	Core	Wdg.	Comm.	Shunt Coils	Series Coils	Inter Coils		
Machine		122	115	97	97	95	78	85
Air		70	70	70	70	70	70	70
Rise °F		52	45	27	27	25	8	15

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

By 1000 -Volt Megger 30 megohms

Insulation Test of entire machine
Hot Cold

Pressure withstood 2000 volts

for 5 minutes

Setting of Overload device -
N.V. Coil holds under all working conditions

Controller

