

HARLAND AND WOLFF, LIMITED.

TEST of MOTOR or DYNAMO.

Made 30-8-34 (Date) Tested by _____

SHIP No. 2 JOB 500/2262 For 924G

Purpose Main F.W. Circulating P Maker A & W Ltd Maker's No. 2498

DUTY: Volts 220 R.P.M. 1500/1200 BHP. 16 Time Rating Continuous

Amperes 62 at 1500 RPM 40 " 1200 " " " Rotation C-Clock Comm End

TIME	Line Volts	MOTOR		R.P.M.	MOTOR FIELD		TEMPERATURE		REMARKS <i>Temperature Limits 63°F (SHOULD INCLUDE NOTES ON COMMUTATION)</i>
		Amps	GEN Amps		Amps	Volts			
	220	62.6	48	1500	64	91			Motor No 2498 was coupled back to back as generator to Main F.W. Circ P motor No 2499 running as motor for Hopkinson test
									Commutation sparkless up to 25% overload as motor



Temperature Fahrenheit after 6 hours run at 49 Amperes 1500 RPM as generator

	ARMATURE			MAGNET			EXHAUST AIR	YOKE
	Core	Wdg.	Comm.	Shunt Coils	Series Coils	Inter Coils		
Machine		110	110	91	93	96	82	80
Air		70	70	70	70	70	70	70
Rise °F		40	40	21	23	26	12	10

Bearings In order
Balance at 1735 R.P.M. In order
Endplay -
Mech. Air Gap 45 Mils

Insulation Test of entire machine Hot Cold By 1000 -Volt Megger 60 megohms
Pressure withstood 2000 volts

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

