

W1158-0191

W1158-0190

Date 18-7-1934

HARLAND AND WOLFF, LIMITED.

10/28 ✓

TEST of MOTOR of ~~DYNAMO~~.

Made 5-7-34 (Date) Tested by

SHIP No. & JOB 500/2254 For 924G

Purpose Sanitary Service Pump Maker H & W Ltd Maker's No. 2510

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

Amperes 93 at 1600 RPM  
" 55 " 1200 RPM  
Rotation C. Clock Comm. 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	71	1600	0.72	103			Temperature limits 63°F Motor No 2510 was coupled back to back to Sanitary Pp Motor No 2509 running as Motor for Hopkinson test
									Commutation sparkless up to 25% overload
									This motor was also run for 2 hours at 25% overload as motor to No 2509 generator



Temperature Fahrenheit after 6 hours run 71 Amps . 1600 RPM as generator

	ARMATURE			MAGNET			EXHAUST AIR	YOKE
	Core	Wdg.	Comm.	Shunt Coils	Series Coils	Inter Coils		
Machine		120	122	103	106	100	97	94
Air		82	82	82	82	82	82	82
Rise °F		38	40	21	24	18	15	12

Bearings In order  
Balance at 1945 R.P.M. In order  
Endplay -  
Mech. Air Gap 45 mls

Insulation Test of entire machine  
Hot Cold By 1000 -Volt Megger 50 megohms  
Pressure withstood 2000 volts

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

