

W1158-0189

Date 18-7-1934

HARLAND AND WOLFF, LIMITED.

10/28 V
TEST of MOTOR or DYNAMO

Made 5-7-34 (Date) Tested by _____SHIP No. 500/2254 For 924 GPurpose Sanitary Pump Maker A & W Ltd Maker's No. 2509DUTY: Volts 220 R.P.M. 1200/1600 BHP. 24 Time Rating ContinuousAmperes 93 at 1600 RPM 55 " 1200 " " " ~~KW~~ Rotation C-Clock Commr End

TIME	Line Volts	TEMPERATURE		R.P.M.	REMARKS		
		MOTOR Amps	GEN Amps		MOTOR FIELD VOLTS	(SHOULD INCLUDE NOTES ON COMMUTATION)	
	220	93.7	71	1600	0.75	106	Temperature Limits 63°F Windings to sheet No 266M Motor No 2509 was coupled back to back i/p to General Service Pump Motor No 2510 for running as generator for Hopkinson test. Commutation sparkless up to 25% overload. This motor was also run for 2 hours @ 25% overload.

HARLAND & WOLFF LTD
LONDON · GLASGOW · GREENOCK
21/1/35
BELFAST
LIVERPOOL & SOUTHAMPTON
SHIPBUILDERS & ENGINEERS

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

	ARMATURE			MAGNET			EXHAUST AIR	YOKE
	Core	Wndg.	Comm.	Shunt Coils	Series Coils	Inter Coils		
Machine		130	125	106	108	103	100	97
Air		82	82	82	82	82	82	82
Rise °F		48	43	24	26	21	18	15

Bearings In OrderBalance at 1820 R.P.M. In OrderEndplay -Mech. Air Gap 50 MilsBy 1000 -Volt Megger 50 megohmsInsulation Test of entire machine
Hot ColdPressure withstood 2000 voltsfor 5 minutes

Setting of Overload device

Controller

N.V. Coil holds under all working conditions

