

THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.



TEST OF DIRECT CURRENT MOTOR, SIZE 14" x 11" x 1"
O/No. 3149/50.

For MESSRS John Hastie & Co. Ltd., for Harland & Wolff's 924 G. Ship.

OUTPUT PLATE STAMPED } 220 Volts 230 Amps 60 B.H.P. 550 Revs.
1 hour Rating Compound Wound, No. F.2705 A. Date 1934.

READINGS DURING TEST.

Time	Speed R.P.M.	LINE		SHUNT		DATE OF TEST 22/5/34.
		Volts	Amps.	Volts	Amps.	Remarks
Temperature run as generator driven by F.2705 B.						
9-0 am	562	228	0	226	3.40	Running Light
9-30 "	566	227	"	225	3.37	"
10-0 "	570	229	"	227	3.32	"
10-30 "	571	"	"	229	3.12	"
11-0 "	572	"	"	"	3.09	"
11-30 "	574	"	"	"	3.06	"
12-0 noon	576	"	"	"	3.07	"
12-30 pm.	576	225	"	225	3.00	"
1-0 "	577	"	"	"	3.02	"
1-30 "	577	231	"	230	3.05	"
2-0 "	548	201	228	201	2.68	Motor on load
2-15 "	549	195	225	185	2.49	"
2-30 "	551	"	"	186	2.50	"
2-45 "	553	197	224	190	2.56	"
3-0 "	554	"	"	191	2.56	"
Readings as motor.						
	550	220	230	220	2.95	Full field. Full load.
	572	"	14	"	"	Full field. No load.

29/11/1935

Surveyor to Lloyd's Register

25/1/35

HARLAND & WOLFF LTD

LONDON · GLASGOW · GREENOCK

BELFAST

LIVERPOOL & SOUTHAMPTON

SHIPBUILDERS & ENGINEERS



Temperatures taken by thermometers	Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded	126	112	109	115	109
Air Temperature	70	70	70	70	70
Temperature Rise in Degrees F.	56	42	39	45	39
Before Temperature Run			After Temperature Run		
High Pressure Test on Motor	2000 Volts for 1 min.		2000 Volts for 1 min.		
Insulation Resistance of Motor	3 Megohms		40 Megohms		

Date 21/1/35

Signed JMD.

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YES