

W1158-0196

THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.

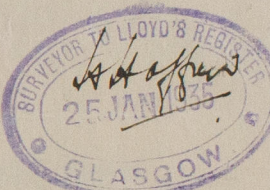



TEST OF DIRECT CURRENT MOTOR, SIZE 13"x 10".
Order No. 45348/50. D. 7130.

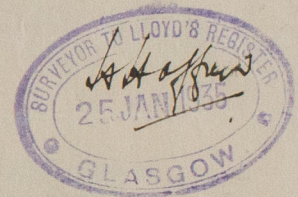
For MESSRS. Stothert & Pitt Ltd. For Harland & Wolff's 924G Ship.

OUTPUT PLATE STAMPED 220 Volts 306 Amps 30 B.H.P. 750 Revs.
1/2 hour Rating Compound Wound, No. F. 2725 Date 1934.

READINGS DURING TEST.

Time	Speed R.P.M.	LINE		SHUNT		DATE OF TEST 25/5/34.	Remarks
		Volts	Amps.	Volts	Amps.		
<u>TEMPERATURE RUN. CLOCKWISE ROTATION.</u>							
2-15 pm	758	233	306	233	0.68	Temperatures taken.	
2-15	758	233	306	233	0.67		
2-25	758	233	306	233	0.65		
2-35	760	233	306	233	0.64		
<u>Counter-Clockwise Rotation.</u>							
	753	230	306	230	0.66		
<u>Test on spare armature F.2725 3/6/34.</u>							
<u>Clockwise Rotation.</u>							
9-45 am	753	230	306	230	0.67		
9-55	754	230	306	230	0.67		
0-5	754	230	306	230	0.67		
0-15	755	230	306	230	0.66		
<u>Counter Clockwise Rotation.</u>							
	755	230	306	230	0.64		
Spare Armature Temperature Rise 69°F.							
Commutator Temperature Rise 54°F.							





Temperatures taken by thermometers	Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded	140	110	100	103	110
Air Temperature	70	70	70	70	70
Temperature Rise in Degrees F.	40	40	30	33	40
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		2.5 Megohms		5 Megohms	

Date 20/12/34

Signed JWD.

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YES