

HARPAGON - GLASGOW REPORT No. 55721



# THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.

## TEST OF DIRECT CURRENT GENERATOR, SIZE 9" x 7". AND ENGINE, SIZE -

For MESSRS. I.D. BELFAST FOR LITHGOWS LTDY. 874 SHIP. Order No. 6895.

 OUTPUT PLATE } 110 Volts 91 Amps 10 K.W. 800 Revs.  
 STAMPED

Continuous. Rating Compound. Wound, No. F. 3236 Date 1935.

Engine No. - Steam Pressure - lbs. per sq. inch.

### READINGS DURING TEST.

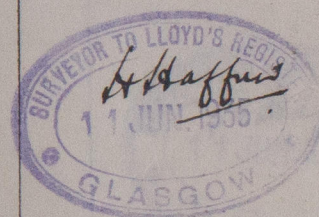
Time	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	DATE OF TEST 17/4/35.
		Volts	Amps.	Volts	Amps.		Remarks
TEMPERATURE RUN.							
12-30 pm.	800	110	91	80.5	1.64		
1-0 "	800	110	91	81.0	1.65		
1-30 "	800	110	91	81.5	1.60		
2-0 "	800	110	91	83.5	1.65		
2-30 "	800	110	91	84.5	1.63		
3-0 "	800	110	91	84.5	1.60		
3-30 "	800	110	91	84.0	1.60		
4-0 "	800	110	91	82.5	1.60		
4-30 "	800	110	91	82.5	1.60		Temperatures taken.
	828	110	0	84.0	1.66		Light Speed.
	800	100	91	62.0	1.30		10% below normal volts.
	800	115	91	85.5	1.72		5% above normal volts.
	828	146	0	146.0	2.95		Maximum volts. Full field.

SURVEYOR TO LLOYD'S REGD.

*W. Haffner*

11 JUN 1935

GLASGOW



Temperatures taken by thermometers		Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded	...	132	112	89	88	102
Air Temperature	... ..	64	64	64	64	64
Temperature Rise in Degrees F.	...	68	48	25	24	38
		Before Temperature Run		After Temperature Run		
High Pressure Test on Generator	...	2000	Volts for 1 min.	2000	Volts for 1 min.	
Insuln Resistance of Generator	...	15	Megohms	20	Megohms	

Date 4/6/35

Signed JMD.

W43-0128

Lloyd's Register  
Foundation