

"HARPAGON" GLASGOW REPORT No. 55721.

THE SUNDERLAND FORGE & ENGINEERING
COMPANY, LIMITED.



TEST OF DIRECT CURRENT GENERATOR, SIZE $12\frac{1}{2}" \times 8\frac{1}{2}"$
AND ENGINE, SIZE $8" \times 4"$ Thermall.

or MESSRS. I.D. BELFAST for LITHGOW'S 874 SHIP. J. & C. HARRISON LD.
110 Volts 145.5 Amps 16 K.W. 500 Revs. ORDER 6794

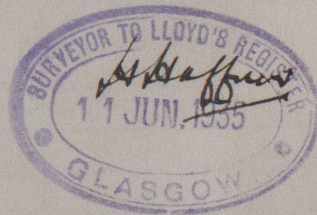
OUTPUT PLATE } 110 Volts 145.5 Amps 16 K.W. 500 Revs.
STAMPED } Continuous Rating Compound Wound, No. F.3210 Date 1935

Engine No. F.3200

Steam Pressure 100/220 lbs. per sq. inch.

READINGS DURING TEST.

e	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	DATE OF TEST 30-4-35
		Volts	Amps.	Volts	Amps.		Remarks
		<u>TEMPERATURE RUN.</u>					
pm	500	110	145.5	95	3.84	120	
	500	110	145.5	95	3.79	130	
	500	110	145.5	94½	3.76	130	
	501	110	145.5	95	3.73	130	
	502	110	145.5	95	3.71	130	
	503	110	145.5	95	3.7	130	
	501	110	145.5	97.5	3.8	125	
	500	110	145.5	97.5	3.79	125	
	501	110	145.5	99	3.85	115	
	500	110	145.5	100	3.85	115	
	502	110	145.5	100	3.85	115	
	500	110	145.5	100	3.85	115	
	500	110	145.5	100	3.845	115	Temperatures taken.
	500	110	145.5	95	3.75	105	
	520	111	0	96	3.79	120	Governing.



temperatures taken by thermometers	Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded	115°F.	104°F.	135°F.	123°F.	
Temperature	69°F.	69°F.	69°F.	69°F.	
Temperature Rise in Degrees F.	46°F.	35°F.	66°F.	54°F.	

	Before Temperature Run	After Temperature Run
High Pressure Test on Generator	2000 Volts for 1 min.	2000 Volts for 1 min.
Insulation Resistance of Generator	50 Megohms	100 Megohms

Date 5/6/35

Signed W.D.

W 43-0129

Lloyd's Register
Foundation

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