

THE SUNDERLAND FORGE AND ENGINEERING COMPANY, LIMITED




TEST OF DIRECT CURRENT GENERATOR, SIZE 13"
and ENGINE, Size 9" x 4"

Customer's Order No. 122/3G/G.13. Ship No. 1223G.

For MESSRS. HARLAND & WOLFF LTD.

OUTPUT PLATE } 110 Volts 273 Amps 30 K.W. 685 Revs.
STAMPED } Continuous Rating Compound Wound, No. G.2149 Date 1944.
Engine No. G.2148 Steam Pressure 100/140 lbs. / sq. in. Exhaust.

Time	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	Remarks
		Volts.	Amps.	Volts	Amps.		
<u>TEMPERATURE RUN.</u>							
7.30	684	110	273	86.5	4.65	100	Temperatures taken A.
8.0	685	110	273	86.5	4.64	100	
8.30	685	110	273	87	4.6	100	
9.0	686	110	273	90	4.56	100	
9.30	686	110	273	91	4.56	100	
10.0	685	110	273	92	4.54	100	
10.30	686	110	273	92.5	4.54	100	
11.0	685	110	273	92.5	4.53	100	
11.30	685	110	273	92.5	4.53	100	
<u>GOVERNING.</u>							
	684	110	273	94	4.6	100	Full load.
	705	110	0	94	4.6	110	No load.
<u>25% OVERLOAD</u>							
	683	110	341	93	4.65	120	





Temperature Rise in degrees Fahrenheit at Air Temperature A:— 70 B:—

	A	B		A	B		A	B
Armature	48		Commutator	42		Shunts	36	
Series	38		Interpoles	28		Crankcase Oil	70	

High Pressure Test 2000 Volts for 1 minute. Insulation Resistance 50 Megohms

Date of Test 3.6.44. Signed *[Signature]*

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Lloyd's Register
Foundation

004653-004661-0080