

# SUNDERLAND FORGE AND ENGINEERING COMPANY, LIMITED



TEST OF DIRECT CURRENT GENERATOR, SIZE 13" x 10" O.T.D.P.  
and ENGINE, Size 9" x 4"

Customer's Order No. 01385

Ship No. J.L.T's 643

MESSRS. INSTALLATION DEPARTMENT.

OUT PLATE } 110 Volts 228 Amps 25 K.W. 675 Revs.  
DAMPED } Continuous Rating Rating Wound, No. 4683 Date 1946  
No. 4682 Steam Pressure 120 lbs. / sq. in. Exhaust.

Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	Remarks
	Volts.	Amps.	Volts	Amps.		
<u>TEMPERATURE RUN.</u>						
675	110	273	82	5.2	120	Temperatures taken A.
675	110	273	87	5.1	120	
675	110	273	89	5.1	120	
675	110	273	90	5.15	120	
675	110	273	90	5.13	120	
675	110	273	89	5.1	120	
675	110	273	89	5.0	120	
675	110	273	89	5.0	120	
675	110	273	89	5.0	120	
675	110	273	89	5.0	120	
675	110	273	89	5.0	120	
<u>GOVERNING.</u>						
675	110	273	89	5.1	120	Full Load
703	110	0	89	5.1	130	No Load.
<u>25% OVERLOAD.</u>						
675	110	343	90	5.22	135	
<u>14-2-46 SPARE ARMATURE No. 4689.</u>						
675	110	273	83	5.45	120	Temperatures taken B.
675	110	273	90	5.1	120	

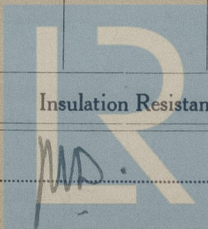
Temperature Rise in degrees Fahrenheit with an ambient temperature of A:— 68 B:— 69

A	B		A	B		A	B
52	49	Commutator	47	44	Shunts	42	
36		Interpoles	29		Crankcase Oil	58	

Test 2000 Volts for 1 minute. Insulation Resistance 100 Megohms

Date of Test 14-2-46.

Signed



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Lloyd's Register Foundation

002830-002837-0060

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