

B.

"BROOM"

THE SUNDERLAND FORGE AND ENGINEERING COMPANY, LIMITED



TEST OF DIRECT CURRENT GENERATOR, SIZE 7"
and ENGINE, Size 4½" x 2"

24 OCT 1945


Customer's Order No.

Ship No.

For MESSRS. JOSEPH FISHER & SONS/LTD.

OUTPUT PLATE } 110 Volts 22.5 Amps 2.5 K.W. 625 Revs.
STAMPED } Continuous Rating Compound Wound, No. G.4514. Date 1945.
Engine No. G.4513 Steam Pressure 100 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>							
1.0	628	110	22.5	84.5	1.45	100	Temperatures taken A.
1.30	625	110	22.5	93	1.45	100	
2.0	628	110	22.5	93	1.45	100	
2.30	629	110	22.5	93	1.5	100	
3.0	629	110	22.5	93	1.5	100	
3.30	629	110	22.5	93.5	1.5	100	
4.0	629	110	22.5	94	1.5	100	
4.30	629	109	22.5	93	1.5	100	
5.0	629	109	22.5	94	1.50	100	
<u>GOVERNING.</u>							
	625	110	22.5	91	1.5	100	Full load.
	648	110	0	91.7	1.5	110	No load.
<u>25% OVERLOAD.</u>							
	626	110	28.13	93.5	1.5	100	



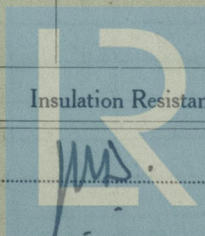


Temperature Rise in degrees Fahrenheit at Air Temperature A:— 69 B:—

	A	B		A	B		A	B
Armature	46		Commutator	26		Shunts	51	
Series	35		Interpoles	38		Crankcase Oil	49	

High Pressure Test 2000 Volts for 1 minute. Insulation Resistance 10 Megohms

Date of Test 6.9.45. Signed



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Lloyd's Register Foundation

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