

THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.



TEST OF DIRECT CURRENT GENERATOR, SIZE 10".
and ENGINE, Size 7" x 3".

Customer's Order No. 60766.

Ship No. ~~308~~

H. Thompson 610.

For MESSRS. Installation Department for John Swire & Sons.

OUTPUT PLATE STAMPED } 110 Volts 136.5 Amps 15 K.W. 850 Revs.

Continuous Rating Compound Wound, No. F.9098 Date 1941.

Engine No. F.9097 Steam Pressure 100 lbs./sq. in. Exhaust.

Time	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	Oil Pres. lbs./sq. in.	Remarks
		Volts	Amps.	Volts	Amps.			
<u>Temperature Run.</u>								
7-45	850	110	137	83	3.44	100		
8-15	850	110	137	86	3.43	100		
8-45	850	110	137	89	3.43	100		
9-15	850	110	137	90	3.4	100		
9-45	850	110	137	90.5	3.38	100		
10-15	850	110	137	91.2	3.36	100		
10-45	850	110	137	92	3.34	100		
11-15	850	110	137	94	3.29	100		
11-45	850	110	137	94.3	3.25	100		Temperatures taken A.
<u>25% Overload.</u>								
12-15	850	110	171	94	3.3	115		
12-45	850	110	171	93.5	3.25	115		
1-15	850	110	171	93.5	3.25	115		
1-45	850	110	171	93.5	3.23	115		
2-15	850	110	171	93.5	3.22	115		
2-45	850	110	171	93.5	3.22	115		Temperatures taken B.
	850	110	136.5	89	3.35	100		Full Load.
	882	110	0	89	3.35	105		No Load.

Temperature Rise in degrees Fahrenheit at Air Temperature A:— 72 B:— 72

	A	B		A	B		A	B
Armature	34	63	Commutator	33	53	Shunts	15	36
Series	28	41	Interpoles	30	52	Crankcase Oil	47	35

High Pressure Test 2000 Volts for one minute. Insulation Resistance 100 Megohms.

Date of Test 25-6-41.

Signed *J.W.D.*

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