

S.S. "SILVERLAUREL" - STARBOARD STEAM SET

THE SUNDERLAND FORGE & ENGINEERING
COMPANY, LIMITED.



TEST OF DIRECT CURRENT GENERATOR, SIZE 12".

and ENGINE, Size 10"x13 $\frac{1}{2}$ "x14 $\frac{1}{2}$ ".


For MESSRS. I.D.FOR JOSEPH L. THOMPSON & SON'S LTD. Order 25212.

OUTPUT PLATE } 110 Volts 227 Amps 25 K.W. 600 Revs.
STAMPED } Continuous Rating Compound Wound, No. F.5834 Date 1938

Engine No. F.5833. Steam Pressure 125 lbs. per sq. inch.

READINGS DURING TEST.

NO.588 SHIP.

NO.588 SHIP.		LINE		SHUNT		Stm Pres. lbs./sq. in.	DATE OF TEST 18.10.38;
Time	Speed R.P.M.	Volts	Amps.	Volts	Amps.		Remarks
<u>TEMPERATURE RUN.</u>							
8-30	639	110	228	78	3.70	132	
9-0	638	110	228	78	3.68	130	
9-30	638	110	227	80	3.70	132	
10-0	638	110	227	80	3.70	132	
10-30	638	110	227	81	3.68	133	
11-0	639	110	227	81	3.70	133	
11-30	640	110	227	81	3.70	125	
12-0	642	110	228	81	3.70	127	
12-30	638	110	229	81	3.70	125	
<u>25% OVERLOAD.</u>							
12-45	642	110	288	77	3.70	150	Temps. taken "B".
1-15	642	110	285	78	3.70	143	
1-45	640	110	285	81	3.78	145	
2-15	641	110	285	80 $\frac{1}{2}$	3.74	145	
2-45	641	110	285	80 $\frac{1}{2}$	3.74	145	
	675	110 $\frac{1}{2}$	0	80.5	3.7	130	No Load.
	632	110	227	80	3.65	125	Full Load.

Temperatures taken by thermometers ...	Armature		Commutator		Shunt Coils		Series Coils		Interpole Coils	
	A	B	A	B	A	B	A	B	A	B
Maximum Temperature recorded ...	133	141	125	146	119	124	123	143	126	132
Air Temperature ...	74	76	74	76	74	76	74	76	74	76
Temperature Rise in °F	59	65	51	70	45	48	47	67	52	56

	Before Temperature Run		After Temperature Run	
	2000 Volts for 1 min.	15 Megohms	2000 Volts for 1 min.	30 Megohms
High Pressure Test on Generator
Insulation Resistance of Generator

Date 6/3/39

Signed *MD.*

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