



*S.S. Silver Laurel?*  
THE SUNDERLAND FORGE & ENGINEERING  
COMPANY, LIMITED

TEST OF DIRECT CURRENT MOTOR, SIZE 11" No 32593.

For MESSRS. I.D. FOR JOSEPH. L. THOMPSON & SONS LTD. Order 37917.

OUTPUT PLATE STAMPED } 220 Volts 180 Amps 46½ B.H.P. 1300 Revs.

Continuous Rating Shunt Wound, No. F.6631 Date 1939

Duty: Motor for M.G. Set. READINGS DURING TEST. m.v. "SILVERLAUREL".  
No. 558 Ship.

Time	Speed R.P.M.	LINE		SHUNT		DATE OF TEST	Remarks
		Volts	Amps.	Volts	Amps.		
		<u>TEMPERATURE</u>		<u>RUN.</u>			
11-30	1275	220	183	183	1.81		
12-0	1290	220	181	184	1.75		
12-30	1297	220	181	185	1.73		
1-0	1302	220	182	185	1.71		
1-30	1307	220	182	185	1.70		
2-0	1310	220	182	185	1.70		
2-30	1312	220	182	185	1.70		
3-0	1315	220	182	185	1.70		
3-30	1315	220	182	185	1.70		Temperatures taken. "A".
		<u>25% OVERLOAD.</u>					
4-0	1312	220	225	185	1.75		
4-30	1316	220	225	185	1.71		
5-0	1318	220	225	185	1.70		
5-30	1320	220	225	185	1.70		
6-0	1318	220	225	185	1.70		Temperatures taken "B".
	1312	220	26	187	1.67		No Load.
	1300	220	180	185	1.65		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 ...	123	130	97	103	96	102			87	99
Air Temperature ...	66	66	66	66	66	66			66	66
Temperature Rise in °F	57	64	31	37	30	36			21	33
					Before Temperature Run		After Temperature Run			
High Pressure Test on Motor ...					2000 Volts for 1 min.		2000 Volts for 1 min.			
Insulation Resistance of Motor ...					50 Megohms		100 Megohms			

Date

6/3/39

Signed

*MD.*

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Lloyd's Register  
Foundation

W261-0224