



S.S. "SILVERLAUREL" - AIR COMPRESSOR MOTOR  
THE SUNDERLAND FORGE & ENGINEERING  
COMPANY, LIMITED.

TEST OF DIRECT CURRENT MOTOR, SIZE 6".

For MESSRS. I.D. FOR J.L. THOMPSON & SONS LTD.

Order 37917.

OUTPUT PLATE } 110 Volts 28 Amps 3 B.H.P. 1000 Revs.  
STAMPED

Continuous Rating Shunt Wound, No. F.6630 Date 1939.

NO.588 SHIP.

READINGS DURING TEST.

m.s. "SILVERLAUREL".

Time	Speed R.P.M.	LINE		SHUNT		DATE OF TEST 24-12-38.	Remarks
		Volts	Amps.	Volts	Amps.		
		<u>TEMPERATURE RUN.</u>					
7-30	970	110	28	110	2.00		
8-0	980	110	28	110	1.90		
8-30	990	110	28	110	1.83		
9-0	995	110	28	110	1.81		
9-30	998	110	28	110	1.80		
10-0	1000	110	28	110	1.80		
10-30	1000	110	28	110	1.80		
11-0	1002	110	28	110	1.80		
11-30	1002	110	28	110	1.80		
		<u>25% OVERLOAD</u>		<u>28.12.38.</u>			
8-30	965	110	35	110	1.85		
9-0	968	110	35	110	1.83		
9-30	970	110	35	110	1.80		
10-0	970	110	35	110	1.80		
10-30	970	110	35	110	1.80		
	1060	110	7.5	110	1.83		No Load.
	990	110	28	110	1.83		Full Load.



Temps. taken "A".

Temps. taken "B".

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 ...	101	114	95	100	95	89				
Air Temperature ...	60	55	60	55	60	55				
Temperature Rise in °F	41	59	35	45	35	34				
			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 ...				80 Megohms				100 Megohms		

Date 6/3/39

Signed JMS

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Lloyd's Register  
Foundation

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