

S.S. CORHEATH SUNDERLAND. N^o 31976

THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.




TEST OF DIRECT CURRENT GENERATOR, SIZE 9" X 5" AND ENGINE, SIZE 5" X 3"

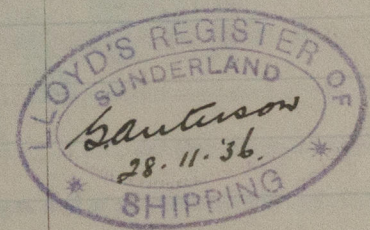
For MESSRS.I.D. for S.P. AUSTIN'S 341 SHIP.

OUTPUT PLATE STAMPED } 110 Volts 34 Amps 3.75 K.W. 450 Revs.
Continuous Rating Compound Wound, No. F.3934 Date 1936.

Engine No.F. 3924. Steam Pressure 100 lbs. per sq. inch.

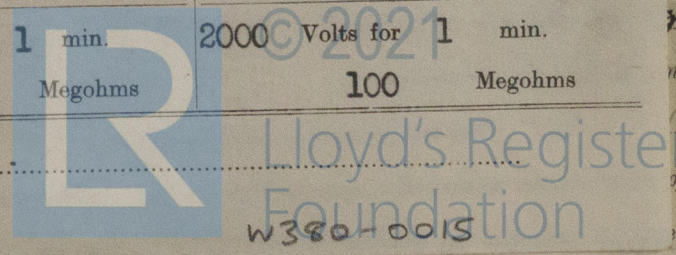
READINGS DURING TEST.

Time	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	DATE OF TEST.
		Volts	Amps.	Volts	Amps		Remarks
<u>TEMPERATURE RUN. 24-3-36.</u>							
7-30	415	110	35	108	2.95	100	
8-0	424	110	35	108	2.66	100	
8-30	437	110	35	108	2.53	100	
9-0	439	110	35	108	2.45	105	
9-30	438	110	35	108	2.43	110	
10-0	441	110	35	108	2.43	100	
10-30	443	110	35	108	2.40	100	
11-0	443	110	35	108	2.37	100	
11-30	446	110	35	108	2.37	100	Temperatures taken.
<u>GOVERNING.</u>							
	453	110	0	101	2.44	100	
	444	111½	35	102	2.45	100	
							



Temperatures taken by thermometers	Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded	139	127	104	134	--
Air Temperature	69	69	69	69	--
Temperature Rise in Degrees F.	70	58	35	65	--
Before Temperature Run			After Temperature Run		
High Pressure Test on Generator	2000 Volts for 1 min.		2000 Volts for 1 min.		
Insuln Resistance of Generator	30 Megohms		100 Megohms		

Date 26/11/36 Signed [Signature]



4 lamps coupled to F through S.P. switches & fuses Switches, Circuit Breaker