

SUNDERLAND, N^o 31892

THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.

TEST OF DIRECT CURRENT GENERATOR, SIZE 10" x 8"
AND ENGINE, SIZE 6" x 3"

For MESSRS. I.D. for MESSRS. JOSEPH L. THOMPSON & SONS LTD. 574 SHIP.
ORDER 12567.
OUTPUT PLATE } 110 Volts 109 Amps 12 K.W. 850 Revs.
STAMPED } Continuous Rating Compound Wound, No. F.3851 Date 1936

Engine No. F.3841 Steam Pressure 100 lbs. per sq. inch.

READINGS DURING TEST. "ST. MARGARET".

Time	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	DATE OF TEST.
		Volts	Amps.	Volts	Amps		Remarks
<u>TEMPERATURE RUN. 16-7-36</u>							
8-30	850	110	111	94	2.07	110	
9-0	850	110	111	94.5	2.06	110	
9-30	850	110	111	95	2.06	110	
10-0	850	110	110	92	2.03	100	
10-30	850	110	110	93	2.05	100	
11-0	850	110	110	92	2.03	100	
11-30	850	110	111	93	2.06	100	
12-0	850	110	111	93	2.06	100	
12-30	850	110	111	92	2.06	100	
1-0	850	110	110	95	2.07	100	Temperatures taken.
<u>GOVERNING.</u>							
	902	110	0	93	2.06	120	
	847	111	111	94	2.08	100	

Temperatures taken by thermometers		Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded	....	117	108	95	104	-
Air Temperature	....	73	73	73	73	-
Temperature Rise in Degrees F. ....	....	44	35	22	31	-
		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	50	Megohms	

Date. 20/8/36

Signed. JMD.

Lloyd's Register
Foundation
W116-0180