

THE SUNDERLAND FORGE & ENGINEERING
COMPANY, LIMITED.





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

For MESSRS. HARLAND & WOLFF LTD. NO. 988P. SHIP. ORDER 757C.

OUTPUT PLATE STAMPED } 110 Volts 34 Amps 3.75 K.W. 450 Revs.
Continuous Rating Compound Wound, No. F.3933 Date 1936

Engine No. F.3923 Steam Pressure 110 lbs. per sq. inch.

READINGS DURING TEST. Job No. 2935

Time	Speed R.P.M.	LINE		SHUNT		Stm. Pres. lbs./sq. in.	DATE OF TEST
		Volts	Amps.	Volts	Amps		17-3-36
Remarks							
<u>TEMPERATURE RUN.</u>							
11-30	424	110	35	108	2.69	150	
12-0	431	110	35	108	2.56	150	
12-30	434	110	35	108	2.48	145	
1-0	437	110	35	108	2.45	150	
1-30	439	110	35	108	2.42	145	
2-0	440	110	35	108	2.41	140	
2-30	445	110	35	108	2.38	140	
3-0	446	110	35	108	2.36	140	
3-30	446	110	35	108	2.35	150	
Temperatures taken.							
<u>GOVERNING.</u>							
	459	110	0	94	2.2	110	
	446	112	35	96	2.3	110	



Temperatures taken by thermometers	Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded	132	121	132	128	-
Air Temperature	65	65	65	65	-
Temperature Rise in Degrees F.	67	56	67	63	-
			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	25	Megohms	100	Megohms	

Date 17/9/36

Signed J.M.D.