

THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.



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

Just deliv. for MESSRS. S. P. Austin & Son Ltd. No 336 Ship. Order 11085.

OUTPUT PLATE STAMPED } 110 Volts 34 Amps 3.75 K.W. 440 Revs. Contin Rating Compound Wound, No. F3497 Date 1935.

Engine No. F3487 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
<i>Temperature Run 4/11/35.</i>							
1.0 pm	435	111	35	109	2.43	105	
1.30 "	436	111	35	109	2.40	102	
2.0 "	433	110	35	108	2.38	100	
2.30 "	435	111	35	109.5	2.36	105	
3.0 "	435	110	35	108.5	2.34	100	
3.30 "	435	110	35	108.5	2.34	100	
4.0 "	435	111	35	108.5	2.35	100	
4.30 "	435	110	35	108.5	2.34	100	
5.0 "	435	110	35	108.5	2.34	100	
<i>Governing</i>							
	437	110	35	108.5	2.35	100	
	445	111	0	110	2.36	115	

RETAIN

Temperatures taken by thermometers	Armature	Commutator	Shunt Coils	Series Coils	Interpole Coils
Maximum Temperature recorded	140	128	123	137	-
Air Temperature	68	68	68	68	-
Temperature Rise in Degrees F.	72	60	55	69	-
	Before Temperature Run		After Temperature Run		
High Pressure Test on Generator	1000	Volts for 1 min.	1000	Volts for 1 min.	
Insuln Resistance of Generator	8	Megohms	100	Megohms	

Date 28/11/35

Signed J.M.D.

Lloyd's Register W.T.B. Foundation
W366-0010

WINDLASS

WINCHES, FORWARD