

18.KW. Generator

INGLIS. 1299 P.

Messrs. RUSSELL NEWBERRY &amp; CO. LTD.

Order No. 7148  
24th August, 1944.**PARTICULARS OF TEST**

TYPE V.E. Louvred type. RATING Continuous.


Generator. MACHINE No. 10227.

SIZE No. 9N

OUTPUT  $163\frac{1}{2}$  AMPS. 18 K.W. 1030 r.p.m. light  
B.H.P. 110 VOLTS 1000 R.P.M. loaded.

STYLE OF WINDING Compound

DATE OF TEST 25th January/45 LENGTH OF RUN Six hours.

TIME	AMPS.	VOLTS	R.P.M.	B.V.	DIRECTION OF ROTATION	REMARKS
	0	138	1030			Max. volts cold light No resistance in field. Shunt current 3.7 amps.
10-0 a.m.	0	110	1030		"	Starting figures cold. Regulator
	164	112	1000		"	Set. Shunt current 1.9 amps.
4-0 p.m.	0	110	1030		"	Final figures warm. Regulator
	164	$110\frac{1}{2}$	1000		"	Set Shunt current 1.85 amps.
Two hrs. at 25% overload.						
4-19 p.m.	205	110	1000		"	
6-15 p.m.	205	110	1000		"	
One minute at 50% overload.						
	245	110	1000		"	
	0	132	1030		"	Max. volts warm light No resist. in field. Shunt current 3 amps.
	164	126	1000		"	Max. volts warm loaded No resist. in field Shunt current 2.9 amps.
TESTED WITH REGULATOR No. 19136						

MACHINE SET TO RUN Counter clockwise.  
4-0 p.m.

TEMPERATURE: ATMOSPHERE FAHR.

55

COMMUTATOR

99

ARMATURE AND  
POLE PIECE

108

ARMATURE  
BACK END

108

SHUNT

84

SERIES

84

INTERPOLES

86

RISE

74<sup>h</sup>44<sup>o</sup> F.

53

53

29

29

31

LOOKING AT COMMUTATOR END

HEIGHT CHECKED BY C.R.

INSULATION RESISTANCE

HOT 30 MEGOHMS

COLD 50 MEGOHMS

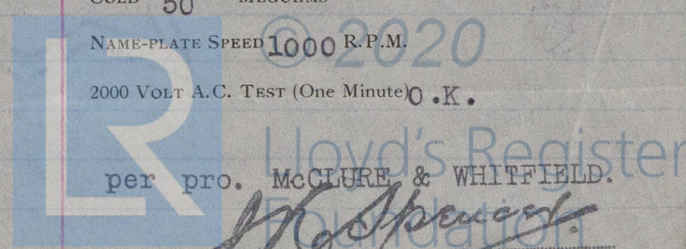
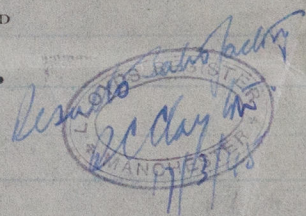
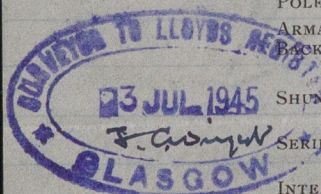
NAME-PLATE SPEED 1000 R.P.M.

2000 VOLT A.C. TEST (One Minute) O.K.

per pro. McCLURE &amp; WHITFIELD.

SPECIAL NOTE

McCLURE &amp; WHITFIELD, Electrical Engineers, Range Road, Adswood, STOCKPORT



W 48-0216



9ls rept No. 69670

Lloyd's Register  
Foundation