

LAURENCE, SCOTT & ELECTROMOTORS, LTD., NORWICH

Certificate of Test of Machine No. 94613

Size M 45 Shop Order E. 6422 Date of Test 27.10.44 Your Order No.

Description One E.V., drip-proof, compound-wound Generator.

R.H.P. 10 Volts. 110 Amperes 91 Revs. per Min. 550
K.W.

TEST RECORD.

Time.	Volts.	Amperes.	Revs. per Min.	Temp. of Air °Fahr.	Shunt Amps.	Remarks.
ONE HOUR RUN						
Rotation:- Counterclock Commutator End.						
.30	110	91	550	61		Load applied by coupling. Regulating resistance in shunt during test. Free from sparking. Bearings cool.
.00	"	"	"			
.30	"	"	"	62		
	110	0	567	No load.		
	"	91	550	Full load.		
	106	137	542	50% overload.		
	108	114	546	25% overload.		
	111	68	554	3/4 load.		
	112	45.5	558	1/2 load.		
	115.5	91	550	+ 5% volts.		
	99	0	567	- 10%		

FINAL TESTS.

(Applied immediately after the Test Run.)

TEMPERATURE TEST (Degrees Fahr.)

	Armature	Commutator.	Magnet Coils.		Interpole Coils.
			shunt, series.		
Machine ...	106	104	102	103	91
Air ...	62	62	62	62	62
Temp. Rise	44	42	40	41	29

VIBRATION TEST

No vibration during test.

OVERLOAD TEST

An Overload of 50 % was applied for 1 minute.

HIGH-PRESSURE TEST

An alternating pressure of 2000 volts was successfully applied for 1 minute.

INSULATION TEST

(Measured by 500 volt "Megger.")

40 megohms (whole machine)

50 megohms (shunt to series).

BRUSH GEAR DETAILS. Size of Carbons $\frac{7}{8}$ " x $\frac{5}{8}$ " Quality LINK AO No. of Holders 4 No. per Holder 2

GENERAL NOTES.

Certified by



Testing Engineer.

Present at Test

Lloyd's Register
Foundation

002577-002582-0088