

LAURENCE, SCOTT & ELECTROMOTORS, LTD., NORWICH.

Certificate of Test of Machine No. 66971. 140

Size Q 35

Shop Order P 3022

Date of Test April 24/35.

Your Order No. $\frac{A}{X}$ 810.

Description One enclosed-ventilated, drip-proof, shunt-wound motor.

B.H.P. 18
~~18.5~~

Volts. 220

Amperes 72

Revs. per Min. 700

E/1425/

TEST RECORD.

Time.	Volts.	Amperes.	Revs. per Min.	Temp. of Air °Fahr.	Remarks.
<u>Half-hour Run.</u>					
12-45	220	72	688	55	Load applied by belt.
12-55	"	"	693	"	Brushes in reversing position.
1-5	"	"	698	"	Free from sparking.
1-15	"	"	700	"	Bearings cool.
=====					
<u>Running Light for 5 hours.</u>					
1-45	220	5.5	745	54	
2-45	"	"	"	"	
3-45	"	"	"	"	
4-45	"	"	"	"	
5-45	"	"	"	"	
6-45	"	"	"	"	
=====					

FINAL TESTS.

(Applied immediately after the Test Run.)

TEMPERATURE TEST (Degrees Fahr.)

t.	Armature	Commu- tator.	Magnet Coils.		Interpole Coils.
($\frac{1}{2}$ -hour run).					
Machine ..	120	100	98	-	102
Air	55	55	55	-	55
Temp. Rise ..	65	45	43	-	47

(5-hour run). - - 48 - -

VIBRATION TEST.

No vibration up to 1000 r.p.m.

OVERLOAD TEST.

An Overload of 100 % was applied for 30 ~~minutes~~ seconds.

HIGH-PRESSURE TEST.

An alternating pressure of 2,000 volts was successfully applied for 1 minute.

INSULATION TEST.

(Measured by 500 volt "Megger.")

50 megohms (whole machine).

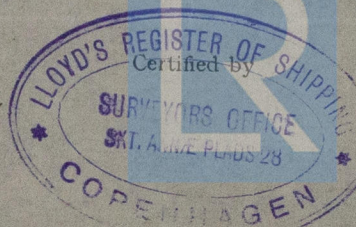
BRUSH GEAR DETAILS. Size of Carbons $\frac{7}{8}$ " x $\frac{5}{8}$ " Quality Link A

No. of Holders 4 No. per Holder 2

GENERAL NOTES. For electro-hydraulic steering gear.

Present at Test

W172-0162



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Lloyd's Register
Testing Engineer.