

LAURENCE, SCOTT & ELECTROMOTORS, LTD., NORWICH.

A70406/9/42

SHIP NO.335 - J.11827

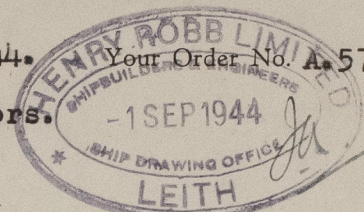
Certificate of Test of Machine No. 91333.

Size BM 35 SJ. Shop Order E 5069

Date of Test Jan. 14/44.

Your Order No. A. 5768/70

Description One of four A.S.E. with cowls, shunt-wound motors.

B.H.P. 10
= 10 =

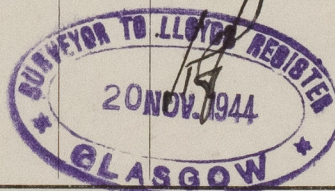
Volts. 220

Amperes 43

Revs. per Min. 600

TEST RECORD.

Time.	Volts	Amperes.	Revs. per Min.	Temp. of Air °Fahr.	Shunt Amps.	Remarks.
<u>Half-hour Run.</u>						
3.5	220	43	583	57	2.03	Load applied
3.20	220	43	594	57		by belt.
3.35	220	43	600	57	1.81	Bearings Cool.
=====						
	220	43	600			Full Load. No Sparking.
	220	86	592			100% O.Load. No Sparking.
	220	64.5	595			50% O.Load. do.
	220	53.75	598			25% O.Load. do.
	220	32.25	605			3/4 Full Load. do.
	220	21.5	612			1/2 Full Load. do.
	220	3.5	624			Light Load. do.
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FINAL TESTS.

(Applied immediately after the Test Run).

TEMPERATURE TEST (Degrees Fahr.)

	Armature	Comm-utator.	Magnet Coils.	Interpole Coils.
Machine ...	88	82	97	- 87
Air ...	57	57	57	- 57
Temp. Rise ...	31	25	40	- 30

VIBRATION TEST.

No vibration during Test.

OVERLOAD TEST.

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

HIGH-PRESSURE TEST.

An alternating pressure of 2000 volts was successfully applied for 2 minutes.

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 steering gear.

Destination:- Admiralty Tugs, J.11827 - J.11828.

HENRY ROBB LTD YARD 335.
STEERING GEAR

Certified by

Present at Test

Testing Engineer

010466-010477-0272

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