

For the information of Surveyors and the Committee only.

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Lloyd's Register of Shipping.

(Report on Machinery, No. G 38 Port Barrow)

ELECTRIC GENERATOR OR MOTOR.

I have to report that the Motor, as herein described, rated 125 $\frac{K.W.}{H.P.}$ manufactured by British Thomson Houston Co. Ltd. of Rugby for the Ship No. 697, being built by Vickers Armstrong of Barrow. has been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. This has been tested, and complies with the requirements of the Rules.

G. O. Watson
London

for Refrig. Compressor.

Temperature Test* as generator. Date of Testing 1st Nov 1934.

Machine Number.	Duration of Test.		Speed.	Load.		Shunt Field.	
	Hours.	Mins.	r.p.m.	Volts.	Amps.	Volts.	Amps.
<u>P57549.</u>	<u>6</u>	<u>-</u>	<u>305.</u>	<u>220.</u>	<u>380.</u>	<u>-</u>	<u>4.</u>

Ambient Air Temperature at End of Test.	MAXIMUM RECORDED MACHINE TEMPERATURES.									
	Armature.		Commutator.		Shunt Field		Series Field.		Interpoles.	
	Actual temp.	Temp. rise.	Actual temp.	Temp. rise.	Actual temp.	Temp. rise.	Actual temp.	Temp. rise.	Actual temp.	Temp. rise.
<u>17 °C</u>	<u>°C</u>	<u>15 °C</u>	<u>°C</u>	<u>12 °C</u>	<u>°C</u>	<u>16 °C</u>	<u>°C</u>	<u>16 °C</u>	<u>°C</u>	<u>21 °C</u>

If this machine is acting as a ^{gen.} motor for "Hopkinson" or "Back to Back" test, state number of machine and ship reference of machine acting as ~~generator~~ motor R 57551.

Compounding Test (for generators).

Load.	Speed.	Shunt Field.		Machine Load.	
	r.p.m.	Volts.	Amps.	Volts.	Amp.
<u>Full Load - - -</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Load - - -</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>

Insulation Tests (taken after the temperature test):-

Insulation resistance 5. megohms.
High voltage test 2000. A.C. volts for one minute between windings and frame.

Particulars of other tests applied:-

One hour at 445 amps. driven by motor at 20% overload.

Works on forgings or castings (if any)

Dates of inspection and tests 15/10/34 1/11/34 22/10/34

Expenses £ 1 : 0 : 6 } To be collected
£ 1 : 1 : 3 } @ Barrow

