

For the information of Surveyors and the Committee only.

Received at

LONDON

Office.

- 4 APR 1935

19

# Lloyd's Register of Shipping.

(Report on Machinery, No.

Port

G 38

## ELECTRIC GENERATOR OR MOTOR.

I have to report that the Motor, as herein described, rated 125 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.

For Refrg. Compressor.

G. O. Watson  
London

Temperature Test\* as generator. Date of Testing 1<sup>st</sup> Nov 1934.

|  |  |                |                 |                |                 |                |                 |                |                 |                |
|--|--|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Machine Number.                            | Duration of Test.                      |                | Speed.          | Load.          |                 | Shunt Field.   |                 |                |                 |                |
|  | Hours.                                 | Mins           | r.p.m.          | Volts.         | Amps.           | Volts.         | Amps.           |                |                 |                |
| P57549.                                    | 6                                      | —              | 305.            | 220.           | 380.            | —              | 4.              |                |                 |                |
| Ambient Air Temperature<br>at End of Test. | MAXIMUM RECORDED MACHINE TEMPERATURES. |                |                 |                |                 |                |                 |                |                 |                |
|  | Armature.                              |                | Commutator.     |                | Shunt Field     |                | Series Field.   |                | Interpoles.     |                |
|  | Actual<br>temp.                        | Temp.<br>rise. | Actual<br>temp. | Temp.<br>rise. | Actual<br>temp. | Temp.<br>rise. | Actual<br>temp. | Temp.<br>rise. | Actual<br>temp. | Temp.<br>rise. |
|  | 17 °C                                  | °C 15 °C       | °C              | 12 °C          | °C              | 16 °C          | °C              | 16 °C          | °C              | 21 °C          |
|  |  |                |                 |                |                 |                |                 |                |                 |                |

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 P57551.

Compounding Test (for generators).

| Load.           | Speed. | Shunt Field. |       | Machine Load. |      |
|-----------------|--------|--------------|-------|---------------|------|
|                 | r.p.m. | Volts.       | Amps. | Volts.        | Amp. |
| Full Load - - - |        |              |       |               |      |
| Load - - -      |        |              |       |               |      |

Regulation 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.

Remarks on forgings or castings (if any)

Dates of inspection and tests 15/10/34

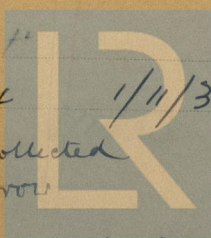
1/11/34

22/10/34

Costs £ 1 : 0 : 6

Expenses £ 1 : 1 : 3

To be collected at Barrow



© 2020

Lloyd's Register Foundation

004285-004291-0086