

For the information of Surveyors and the Committee only.

Received at

Office.

29 MAR 1935

# Lloyd's Register of Shipping.

(Report on Machinery, No. 101283 Port LONDON)

G.26

## ELECTRIC GENERATOR OR MOTOR.

I have to report that the Generator, as herein described, rated 500 K.W. manufactured by W & A Allen & Sons Ltd of Bedford for the Ship No. 697, being built by Vickers Armstrong Ltd of Barrow in Furness 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 28-3-35

Temperature Test\* Generator Date of Testing 25 Jan 1935

Machine Number.	Duration of Test.		Speed.	Load.		Shunt Field.	
	Hours.	Mins	r.p.m.	Volts.	Amps.	Volts.	Amps.
<u>093/1</u>	<u>6</u>	<u>—</u>	<u>5000/500</u>	<u>220</u>	<u>2275</u>	<u>—</u>	<u>—</u>

### MAXIMUM RECORDED MACHINE TEMPERATURES.

Air Temperature End of Test.	Armature.		Commutator.		Shunt Field		Series Field <i>with ammeter</i>		Interpoles.	
	Actual temp.	Temp. rise.	Actual temp.	Temp. rise.	Actual temp.	Temp. rise.	Actual temp.	Temp. rise.	Actual temp.	Temp. rise.
<u>63 F</u>	<u>112 F</u>	<u>49 F</u>	<u>119 F</u>	<u>56 F</u>	<u>90 F</u>	<u>27 F</u>	<u>88 F</u>	<u>25 F</u>	<u>104 F</u>	<u>41 F</u>

This machine is acting as a motor for "Hopkinson" or "Back to Back" test, state number of machine and ship reference of machine acting as generator

Compounding Test (for generators). with 280 lbs steam pressure

Load.	Speed.	Shunt Field.		Machine Load.	
	r.p.m.	Volts.	Amps.	Volts.	Amp.
Load - - -	<u>5000</u>	<u>—</u>	<u>—</u>	<u>219</u>	<u>2275</u>
Load - - -	<u>5200</u>	<u>—</u>	<u>—</u>	<u>225</u>	<u>0</u>

Insulation Tests (taken after the temperature test):—

Insulation resistance 30 megohms.

High voltage test 2000 A.C. volts for two minute between windings and frame.

Particulars of other tests applied:—

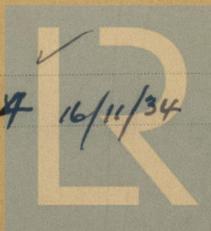
Remarks on forgings or castings (if any)

Dates of inspection and tests

£

Expenses £

£



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Lloyd's Register Foundation

004285-004291-0084

*Inspected by G.O. Watson (101,283)*

21/9/34

16/11/34

9/1/35

25/1/35