

For the information of Surveyors and the Committee only.

Received at _____ Office _____ 19__

Lloyd's Register of Shipping.

(Report on Machinery, No. 55344 Port Glasgow)

G.M.

TARONA ELECTRIC GENERATOR OR MOTOR.

I have to report that the Generator, as herein described, rated 200 K.W. ~~H.P.~~ manufactured by Porter Thomson Houston & Co. Ltd. of Rugby for the Ship No. 543, being built by Alex Stephens of Vinthouse 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.

A. Watson
London

Temperature Test*

Date of Testing 2nd Oct 1934

Machine Number.	Duration of Test.		Speed.	Load.		Shunt Field.	
	Hours.	Mins.	r.p.m.	Volts.	Amps.	Volts.	Amps.
<u>R 57502</u>	<u>6</u>	<u>30</u>	<u>1000</u>	<u>220</u>	<u>910</u>		<u>21</u>

Mean 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>21.8</u> °C	°C	<u>34.2</u> °C	°C	<u>35.2</u> °C	°C	<u>21.7</u> °C	°C	°C	°C	°C	<u>24.2</u> °C

*If 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).

Load.	Speed.	Shunt Field.		Machine Load.	
	r.p.m.	Volts.	Amps.	Volts.	Amp.
Full Load - - -	<u>1000</u>	<u>/</u>	<u>2.18</u>	<u>222</u>	<u>910</u>
No Load - - -	<u>1030</u>	<u>/</u>	<u>2.15</u>	<u>220</u>	<u>0</u>

Insulation Tests (taken after the temperature test):-

Insulation resistance 1000 megohms.
High voltage test 2000 A.C. volts for two minute between windings and frame.

Particulars of other tests applied:-

25% overload for 5 minutes.

Marks on forgings or castings (if any) 1307 / GAL. 23-7-34
Dates of inspection and tests 14/6/34 20/6/34 2/10/34
Fee £ 4 : 4 : 0
Expenses £ see Rec 6.10
To be collected at 20/11/34

Lloyd's Register Foundation

2600-212210-597219