

## Lloyd's Register of Shipping.

(Report on Machinery, No. 55344

Port

Glasgow

G.11.

TARONA

## ELECTRIC GENERATOR OR MOTOR.

I have to report that the Generator, as herein described, rated 200 K.W. 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.

R. Watson  
London

## Temperature Test\*

Date of Testing 2nd Oct 1934.

Temperature Test*			Date			Time				
Machine Number.	Duration of Test.		Speed.	Load.		Shunt Field.				
	Hours.	Mins.	r.p.m.	Volts.	Amps.	Volts.	Amps.			
R 57502.	6	30	1000.	220.	910.		2.1.			
MAXIMUM RECORDED MACHINE TEMPERATURES.										
Mean Air Temperature at End of Test.	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.
21.8. °C	°C	34.2 °C	°C	35.2 °C	°C	2.7 °C	°C	°C	°C	24.2 °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>220</u>	<u>2.18</u>	<u>222</u>	<u>910.</u>
No Load - - -	<u>1030.</u>	<u>220.</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 Bk 6.10

To be collected of the 20/1/34

Lloyd's Register  
Foundation