

Lloyd's Register of Shipping.

G 12.

(Report on Machinery, No. 55344

Port

Glasgow

TARONA

ELECTRIC GENERATOR OR ~~MOTOR~~.

I have to report that the Generator, as herein described, rated 200 K.W. manufactured by British Thomson Houston Ltd. of Rugby for the Ship No. 5743, being built by Alex. Stephens of Linthouse 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* 6 hours as motor followed by 3 hrs as Gen. Date of Testing 15 Oct 1934.

Temperature Test followed by Short Run.										
Machine Number.	Duration of Test.		Speed.	Load.		Shunt Field.				
	Hours.	Mins.	r.p.m.	Volts.	Amps.	Volts.	Amps.			
R 57503	9	—	1000.	220	910.	164	2.05			
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.
	16 °C	°C 34 °C	°C 36 °C		°C 32 °C	— °C	— °C	°C 29 °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 R 57501

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>2.1</u>	<u>220</u>	<u>910</u>
No Load - - -	<u>1030</u>	<u>—</u>	<u>2.1</u>	<u>220</u>	<u>0</u>

Insulation Tests (taken after the temperature test):—

Insulation resistance 400 megohms.

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

Particulars of other tests applied:—

25% overload for 10 mins as Generator

Marks on forgings or castings (if any) 1307/GAL. 23-7-34.

Dates of inspection and tests 14/6/34 20/6/34 15/10/34

Fee £ 4 : 4 : 0

Expenses £ see Rpt 6:10

To be collected at £ 20/1/34

Lloyd's Register
Foundation