

Lloyd's Register of Shipping.

(Report on Machinery, No. ~~100,896~~ 100,714 Port LONDON)

ELECTRIC GENERATOR OR MOTOR.

The words GENERATOR or MOTOR should be struck out as may be required.

I have to report that the Generator, as herein described, rated 375 ^{K.W.} ~~H.P.~~ manufactured by W Hallen & Sons. of Beafield for the Ship No. 541, being built by John Brown of Clydebank 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.

Temperature Test* Coupled to Engine Date of Testing 21/9/34 & 25/9/34

Machine Number.	Duration of Test.		Speed.	Load.		Shunt Field.				
	Hours.	Mins	r.p.m.	Volts.	Amps.	Volts.	Amps.			
<u>43969/2</u>	<u>6</u>	<u>—</u>	<u>350</u>	<u>220</u>	<u>1710.</u>	<u>—</u>	<u>10</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>69 °F</u>	<u>136°F</u>	<u>67°F</u>	<u>120°F</u>	<u>51°F</u>	<u>110°F</u>	<u>41°F</u>	<u>128°F</u>	<u>54°F</u>	<u>130°F</u>	<u>61°F</u>

*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>350</u>	<u>—</u>	<u>10</u>	<u>220</u>	<u>1710</u>
No Load - - -	<u>365</u>	<u>—</u>	<u>10</u>	<u>220</u>	<u>0</u>

Insulation Tests (taken after the temperature test):—

Insulation resistance 20 megohms.

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

Particulars of other tests applied:—

Marks on forgings or castings (if any) 2/8/34

Dates of inspection and tests 2/8/34 21/9/34 & 25/9/34

Fee £ : :

Expenses £ : :

