

Lloyd's Register of Shipping.

G 19.

(Report on Machinery, No. 55506 Port GLASGOW)

ELECTRIC GENERATOR OR MOTOR.

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

I have to report that the Generators, as herein described, rated 120 ^{K.W.} ~~H.P.~~ manufactured by W.A. Allen & Sons. of Redford for the Ship No. _____, being built by Lithgow of Port Glasgow. 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.

C.O. Watson
London.

Temperature Test *Coupled to Engine Date of Testing 16 Nov 1934.

Machine Number.	Duration of Test.		Speed.	Load.		Shunt Field.				
	Hours.	Mins.	r.p.m.	Volts.	Amps.	Volts.	Amps.			
<u>45398/3</u>	<u>6</u>	<u>—</u>	<u>425.</u>	<u>220.</u>	<u>545</u>	<u>122/152</u>	<u>475/5.3.</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>61 °C</u>	<u>115°F</u>	<u>53°F</u>	<u>112°F</u>	<u>51°F</u>	<u>114°F</u>	<u>53°F</u>	<u>112°F</u>	<u>51°F</u>	<u>114°F</u>	<u>53°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>425</u>	<u>152</u>	<u>5.3</u>	<u>220</u>	<u>545</u>
No Load - - -	<u>445</u>	<u>152</u>	<u>5.3</u>	<u>220</u>	<u>0</u>

Insulation Tests (taken after the temperature test):—

Insulation resistance 25 megohms.

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

Particulars of other tests applied:—

10% overload for 1 1/2 hours.
Max Temp. Rise 59°F
(Taken 8/10 mins after shut down)

Marks on forgings or castings (if any)

Dates of inspection and tests 24. 9. 34 16. 11. 34

Fee £

Expenses £

See London Rpt No 100, 878

