

For the information of Surveyors and the Committee only.

Received at

Office.

29 MAR 1935

19

Lloyd's Register of Shipping.

(Report on Machinery, No. 101283

Port LONDON

ELECTRIC GENERATOR OR MOTOR.

I have to report that the Generator, as herein described, rated 500 ^{K.W.} _{H.P.} manufactured by W. Allen & Son Ltd of Bedford for the Ship No. 697, being built by Vickers Armstrong Ltd of Barrow & Furness 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 28. 3. 35

Temperature Test* Generating.

Date of Testing 9 Jan 1935

Number.	Duration of Test.		Speed.	Load.		Shunt Field.	
	Hours.	Mins	r.p.m.	Volts.	Amps.	Volts.	Amps.
93/3.	6	-	500/500	220	2275	—	—

Temperature 1 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.
57 °F	114 °F	57 °F	108 °F	51 °F	85 °F	28 °F	90 °F	33 °F	97 °F	40 °F

machine is acting as a motor for "Hopkinson" or "Back to Back" test, state number machine and ship reference of machine acting as generator

Running Test (for generators).

Load.	Speed.	Shunt Field.		Machine Load.	
	r.p.m.	Volts.	Amps.	Volts.	Amp.
- - -	5000	—	—	220	2275
- - -	5150.	—	—	220	0.

ion Tests (taken after the temperature test):—

Insulation resistance 50 megohms.

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

ulars of other tests applied:—

on forgings or castings (if any)

of inspection and tests

es See p. 4A
(101283)

21/9/34

16/11/34

9/1/35

~~29/1/35~~

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