

t. 7b.

For the information of Surveyors and the Committee only.

Received at

LONDON

Office.

29 MAR 1935

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.* manufactured by *W.A. Allen & Sons Ltd.* of *Bedford* for the Ship No. *697*, being built by *Vickers Armstrong Ltd* of *Barrow in 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

1st Feb 1935

Machine Number.	Duration of Test.		Speed.	Load.		Shunt Field.				
	Hours.	Mins	r.p.m.	Volts.	Amps.	Volts.	Amps.			
4090/2.	6.	—	5000/500	220	2275	—	—			
Ambient 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.
	67°F	113°F 46°F	118°F 57°F	90°F 23°F	87°F 20°F	102°F 35°F				

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). *with steam at 280 lbs.*

Load.	Speed.	Shunt Field.		Machine Load.	
	r.p.m.	Volts.	Amps.	Volts.	Amp.
<i>Full Load - - -</i>	<i>5000</i>	<i>—</i>	<i>—</i>	<i>220</i>	<i>2275</i>
<i>Load - - -</i>	<i>5200.</i>			<i>223</i>	<i>0</i>

Insulation Tests (taken after the temperature test):—

Insulation resistance *30* megohms.

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

Particulars of other tests applied:—

Remarks on forgings or castings (if any)

Dates of inspection and tests *21/9/34* *16/11/34* *9/1/35* *1/2/35.*

£

Expenses

See Report 101283

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