

Rpt. 7b.

For the information of Surveyors and the Committee only.

Received at _____ Office. _____ 19

Lloyd's Register of Shipping.

(Report on Machinery, No. *55817* Port *TH*)

ELECTRIC GENERATOR OR MOTOR.

I have to report that the *motor*, as herein described, rated *135* ^{K.W.} _{H.P.} manufactured by *Harland & Wolff Ltd.* of *Belfast* for the Ship No. *944*, being built by *Harland & Wolff Ltd.* of *Belfast* 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.

Alce Amess
Belfast

Temperature Test* *motor* Date of Testing *29th Jan. 1935*

Temperature Test.			Speed.		Load.		Shunt Field.			
Machine Number.	Duration of Test.		r.p.m.	Volts.	Amps.	Volts.	Amps.			
	Hours.	Mins.								
2612	6	—	300	240 220	570 510	116	3.9			
MAXIMUM RECORDED MACHINE TEMPERATURES.										
Mean Air Temperature at End of Test.	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.
	17.23 °C	40 °C	22.77 °C	38.89 °C	21.66 °C	36.11 °C	18.88 °C	36.11 °C	18.88 °C	46.11 °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 *No. 2613 Ship No. 944*

Compounding Test (for generators).

Load.	Speed. r.p.m.	Shunt Field.		Machine Load.	
		Volts.	Amps.	Volts.	Amp.
Full Load - - -					
No Load - - -					

Insulation Tests (taken after the temperature test):—

Insulation resistance *30* megohms.

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

Particulars of other tests applied:—

25% overload for 10 mins.

Marks on forgings or castings (if any)

Dates of inspection and tests

Fee £ : :

Expenses £ : :



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Foundation