

THE BRITISH THOMSON-HOUSTON CO., LTD., RUGBY.

CERTIFICATE OF TEST.

22nd November 1934

TITLE SPARE ARMATURE FOR COMPOUND, COMPOLE, D.C. MOTOR.

Type MP.29F/ Form CB Phase Cycles Serial No. -

Rating 125-HP Volts 220 Arm./Rotor R.73706

Speed 160/320-RPM Cat. No. -

Req. 300018/7000

Customer Messrs. J. & E. HALL LTD. S.O. No. M.404919

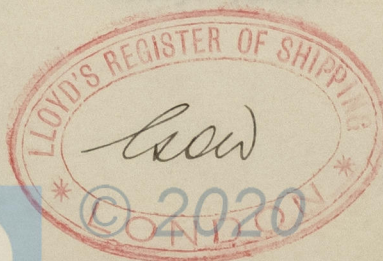
Customer's Order No. - Date of Test November 1934

This Certificate covers tests taken on the above spare armature at Rugby.

The armature is equipped with shaft.

For the purposes of testing the spare armature was assembled in the frame and bearings of Machine No.R.57553.

Sheet 2 - Heat Run.
Insulation Resistance.
High Potential Test.
Resistance.



Certified

A.A. POLLOCK

Engineer

004285-004291-0094 1/2

004285

Lloyd's Register
Foundation

16th November 1934 JAMES HON-HOUSTON CO., LTD., RUGBY.

HEAT RUN for six hours as a generator driven by Machine No.R.57555, Armature No.R.73707, followed by two hours as a motor on normal full load:-

<u>Time</u>	<u>Line Volts</u>	<u>Line Amps.</u>	<u>Sh.fld. Current</u>	<u>Speed RPM</u>
6-30 a.m.	Ph 220	356 Cycles	4.10	Serial 320
Machine run for six hours as a generator.				
12-30 p.m.	220	356	3.90	Arm. 320
Machine shut down and temperatures taken on armature No.R.73707.				
1-15 p.m.	Sp 220	472	1.965	Cat. N 320
Machine run for two hours as a motor on full load.				
3-15 p.m.	220	472	1.96	Req. 320
Machine shut down and temperatures taken.				

Temperature rise by thermometer in °C. after above heat run:-

Armature core	23.3
Armature winding	24
Commutator	15.5
Air temperature	18.5

INSULATION RESISTANCE

The armature winding insulation resistance to earth was found to be 40 megohms.

HIGH POTENTIAL TEST

The armature winding withstood a high potential test of 2000 volts A.C. to earth for one minute.

RESISTANCE

	<u>Resistance in Ohms at 17°C.</u>	<u>Resistance in Ohms hot.</u>
Armature winding	0.0223 (calc.)	0.0256 (calc.)

---000---

EEG/ELM



© 2020

Lloyd's Register Foundation

0094 12

004285-004291-0015 15

0015 15