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C5076

TEST RESULTS ON STARBOARD CENTRE AUXILIARY GENERATOR.

Shunt, Com. pole, D. C. Generator, Type 29/34.
Machine No. R. 55125, Armature No. R. 70128.
K. W. 75, Amps. 300, Volts 250, Speed 225 R. P. M.

HEAT RUN as a motor driving machine No. R. 55121 :-

Time	Line Volts.	Line Amps.	Shunt field Amps.	Speed R. P. M.
9.0 am.	250	116	5.8	225
3.0 pm.	250	129	5.8	225

Machine shut down and temperatures taken.

Temperature rise by thermometer in degrees Centigrade after six hours :-

Armature core	8
" winding	6
Commutator	5
Shunt field winding	13.2
Com. pole winding	9.5

Air temperature - 23.

INSULATION RESISTANCE TEST.

The insulation resistance to earth was found to be :-

Shunt field windings.....	50 Megohms
Armature & Com. pole windings, Brush Gear & Terminals.....	8 "

The windings, terminals and brush gear of the machine withstood a high potential test of 2,000 Volts A. C. for one minute to earth.



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