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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.

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

<u>Time</u>	<u>Line</u> <u>Volts.</u>	<u>Line</u> <u>Amps.</u>	<u>Shunt field</u> <u>Amps.</u>	<u>Speed</u> <u>R. P. M.</u>
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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