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TEST RESULTS ON PORT AUXILIARY GENERATOR.

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Shunt, Com.pole, D.C. Generator, Type 29/34.
Machine No.R.55122, Armature No.R.70125.
K.W.75, Amps. 300, Volts 250, Speed 225 R.P.M.

HEAT RUN for six hours on full load.

Time	Line Volts.	Line Amps.	Shunt field Amps.	Speed R.P.M.
1.30 pm.	250	300	6	225
7.30 pm.	250	300	6	225

Machine shut down and temperatures taken.

Temperature rise by thermometer in degrees Centigrade,
after six hours on full load :-

Armature core	17.5
" winding	16.5
Commutator	8.5
Shunt field	17.5
Com.pole field	19.5

Air temperature - 18.5.

INSULATION RESISTANCE TEST.

The insulation resistance to earth was found to be :-

Shunt field, armature & com.pole windings...	100 megohms
Brush gear and terminals.....	15 "

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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