

# COPY.

## 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.

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### 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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