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C5076

MESSRS. SCOTT'S NO. 534, FOR ATLANTIC REFINING CO.

Test Results on Starboard Main Generator.  
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Shunt, Com. pole, D. C. Generator, Type M. P. 60/56.  
Machine No. R. 55119, Armature No. 70122.  
K. W. 600, Amps. 2,400, Volts 250, Speed 225 R. P. M.  
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HEAT RUN for six hours on full load as a generator.

Time	Line Volts.	Line Amps.	Shunt field Amps.	Speed R. P. M.
1.30 pm	250	2400	18.5	225
Machine run for six hours on full load.				
7.30 pm	250	2400	18.5	225
Machine shut down and temperatures taken.				

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

Armature core	29.5
" winding	28.5
Commutator	36
Shunt winding	31.8
Com. pole winding	31.5

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.....	10 "

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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