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C5076

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

Test Results on Starboard Centre Main Generator.

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Shunt, Com. pole, D. C. Generator, Type M.P. 60/56.
Machine No. R. 55121, Armature No. R. 70124.
K. W. 600, Amps. 2,400, Volts, 250, Speed 225 R. P. M.

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HEAT RUN for six hours on short circuit at 10% overload current :-

Time	Line Amps.	Shunt Field Amps.	Speed R. P. M.
9.0 am.	2640	3.55	225
3.0 pm.	2640	3.55	225

Machine shut down and temperatures taken.

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

Armature core	19.5
" winding	20.5
Commutator	23
Com. pole winding	18.5
Shunt field winding	11

Air temperature - 23.

INSULATION RESISTANCE TEST.

The insulation resistance to earth was found to be :-

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

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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Lloyd's Register
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