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C5076

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

Test Results on Port Centre Main Generator.

Shunt, Com. pole, D.C. Generator, Type M.P. 60/56.
Machine No. R. 55120, Armature No. R. 70123.
K.W. 600, Amps. 2400, Volts 250, Speed 225 R.P.M.

HEAT RUN for four and a half hours on short circuit at 10% overload current :-

Time	Line Volts.	Line Amps.	Shunt field Amps.	Speed R. P. M.
5.0 pm.	Nil.	2640	3.72	225
9.30 pm.	Nil	2640	3.72	225

Machine shut down and temperatures taken.

Temperature rise by thermometer in degrees Centigrade after four and a half hours :-

Armature core	22.8
" winding	16.8
Commutator	35.8
Com. pole winding	25.3
Shunt field winding	13.3

Air temperature - 19.2.

INSULATION RESISTANCE TEST.

The insulation resistance to earth was found to be :-

Armature and com. pole windings.....	10 megohms
Brush gear and terminals.....	10 "
Shunt field windings.....	40 "

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.

Lloyds Register
Foundation

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