

COPY.

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

TEST RESULTS ON PORT MAIN GENERATOR.

Shunt, Com. Pole, D.C. Generator, Type M.P. 60/56.
Machine No. B. 55118, Armature No. R. 70121
K. F. 600, Amps. 2400, Volts 250, Speed 225 R.P.M.

HEAT RUN for six hours on overload as a motor.

Time	Line Volts	Line Amps.	Shunt field Amps.	Speed R. P. M.
1.30 pm.	250	2880	16.5	225
Machine run for six hours on overload as a motor				
7.30 pm.	250	2880	16.5	225
Machine shut down and temperatures taken.				

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

Armature core	33.5
" winding	29.5
Commutator	34.0
Shunt winding	27.5
Com. pole winding	37.5

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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