

Done for L.M.C.

The Main H.P. and L.P. Steam turbines, thrust and intermediate shafts, pumps and condensers examined main and auxiliary condenser and evaporator tested. Reduction gears, shafts, shaft bearings and teeth of gears examined. The valves, cocks, pipes and strainers of pumping arrangements were examined and found satisfactory.

The following auxiliary machinery was opened up, examined, closed up and tested under working condition -

Fire, Bilge and General Service Pump
Size 14" x 10 1/2" x 12"
Suct. 6"
Disc. 6"

Auxiliary Feed Simplex Pump
Size 10 x 6 x 24

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Size 10 x 6 x 24

Main Circulator Pump
G.P.M. 4900
25 foot head
RPM 900
Suct. 13" at impeller
Discharge 14"

Main Circulator Motor
Westinghouse
Shunt Wound
R.P.M. 675 - 900
H.P. 40

Whiton Turbine Fire Pump - Port Side Aft
Speed 3500
Back Pressure 5#
H.P. 42

Fire Pump - Liquid End
R.P.M. 3500
230 lbs.
G.P.M. 400
Suct. 4"
Discharge 4"

Whiton Turbine Auxiliary Condenser Circulator Pump
G.P.M. 1200
H.P. 10 (Driven)
R.P.M. 1460 - 25 ft. T.D.H.

Steam End
250 lbs. 1450-1600 R.P.M.
5# back pressure

Coffin Feed Pump
Steam Turbine Centrifugal Pump
H.P. 94 - RPM 6900
Steam Press. 375-400#
Head 1190 Ft.
Capacity 125 G.P.M.
Minimum Net Head 20 Ft.

Main Triplex Boiler Feed Pump
Westinghouse Electric
Shunt Wound
H.P. 25 - 230 Volts
Amps 92
R.P.M. 875-1850
100% Load - 25 H.P. 40° C Raise
Pump End - Suction 3" - Discharge 3"
Harrison, N. J.

2 Main Condenser Condensate Pump
Forward Amidships
Duplex - Worthington, Harrison, N. J.
Size 7 1/2 x 6 x 10
Suction 4"
Discharge 2 1/2"

Fuel Oil Service Pump No. 1 and 2
Forward Port
No. 1 - Motor Driven
Inboard Pump
Motor:
Westinghouse
Type SK
Shunt wound - 3 H.P.
230 Volts - 12.5 Amps
1150 R.P.M. 100% load
24 house 40° C Rise
Fuel Pump End:
Worthington
1 1/2 S.R.S.
Suct. 1 1/2"
Disch. 1 1/2"

S/S "GULFDAWN"

Fuel Pump Steam Driven
Port Side Forward
Suction 1 1/2"
Disch. 1 1/2"
(Stand-By Pump)

Electric Fuel Oil Transfer Pump
Motor End:
Westinghouse
5-H.P. - 230 Volts
R.P.M. 1750
Pump End:
Worthington
Size 4 - 4" Suct. - 4" Disch.

Steam Driven Transfer Pump (Boiler Room)
Worthington
Size 10 x 6 x 10
Suct. 4" - Disch. 4"

Lube Oil Pump
Steam driven - Port Side aft
DeLaval Steam Turbine
Trenton, N.J.
B.H.P. 9 - Steam Pressure 375#
Back Pressure 10#
Pump Speed 850 - Capacity 240 G.P.M.
Suct. 6" - disch. 4"

Lube Oil Pump
After Port
H.P. 5 - V. 230
RPM 1750 - Amps 21
100% load - 24 Hrs.
40° C Rise
Suct 4" - disch. 4"
Geared Centrifugal Pump

Main Generators
Stbd. Single-Red.
230 V - 125 KW
Westinghouse
Pinion Bearings 1st
Dia. 3 1/2 x 5 1/2 long
Generator Shaft Bearings
5 1/2" long - dia. 4"
Main Gear Wheel
Dia. 26" - Width 9 1/2"
Pinion dia. 5"
Generator End Data:
Westinghouse
125 KW - 240 Volts
520 Amps - 1200 R.P.M.
Steam End:
Starboard - Turbine No. 20391
Port: Turbine No. 20390
Pinion - R.P.M. - 6600
Gear - R.P.M. 1200

Aux. 120 V. Generator - 60 K.W.
Forward
Westinghouse
Amps. 500 - R.P.M. 1800
Steam
Westinghouse Turbine
Steam pressure 200#
H.P. 89.4 - R.P.M. 7282

Motor Driven 120 V. Generator
Generator End
Westinghouse
DC Generator #100L - Comp. Wound
18 KW 125 V.
144 Amps - 1100 R.P.M.
Motor End
Triumph Electric Manufacturing
Cincinnati, Ohio
Type FF - Volts 230
Amps. 91 - R.P.M. 1150
HP 25

Evaporator
Paracell
Davis Engineering Corp.
New York, N. Y.
Tested 50#
Tube Test 500

Main Propulsion Unit
Main Gears
Westinghouse - Gear No. 2161
Pinions R.P.M.
H.P. 4830
L.P. 3620



Gear R.P.M. 78

H.P. Turbine
Westinghouse Turbine
Turb. R.P.M. 4830

L.P. Turbine
Westinghouse Turbine
R.P.M. 3620

Aux. Condenser Condensate Pump
(2" vertical)

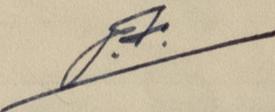
Motor End:
Westinghouse - Type SK - HP 5
RPM 1200 - 1750
230 V.
Pump End:
Suct. 3 1/2"
Disch. 2"
Capacity 65 G.P.M.
Head in Ft. 110

Note:- All piping throughout vessel is as original.

Megger tested all electric light circuits throughout vessel, copy of results enclosed.

See Mobile Report No. 2315 for docking, propeller, tail shaft, stern bush, outside fastenings sea valves and cocks.

Cert. Bl issued, copy herewith.



Note: All machinery examined and tested under working conditions and found satisfactory.

To complete Machinery Survey - Screw shaft, propeller, stern bush, sea connections and their fastenings to be examined.



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Lloyd's Register
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