

examined and found in good condition

(2)

Main Generator Motor and static windings, cleaned and coated. Static field re-
to General Electric Co. shop. overhauled. Dynamically balanced. High
test of 1440 volts applied for one minute. Duration 1000. Tested and replaced
Brush and Thrust shaft, bearings. Thrust collar and shoes. examined and found
intermediate line fitting and bearings examined.
Pumps. Piping and pumping arrangements examined and found in good condition

The following parts of Auxiliary Machinery opened and examined throughout

Main and Auxiliary Condensers opened, cleaned, tested and water tests made.
Main & Auxiliary Circulating pumps, together with electric motors.
Two (2) Turbo driven centrifugal feed pumps. 1st side shaft recess.
Auxiliary Reciprocating steam driven feed pump. 1st side lower E.R.
Atmospheric Drain Reverse pump (centrifugal) together with electric motor.
Two (2) Lubricating oil service pumps. Together with electric motors. 1st side lower E.R.
Two (2) Fuel oil transfer pumps. Inboard & Outboard with electric motors. 1st side lower E.R.
Two (2) Fuel oil service pumps. Forward and aft with electric motors. 1st side lower E.R.
Two (2) Evaporator feed pumps. Forward and aft with electric motors. Port side aft E.R.
Two (2) Fresh water pumps. Inboard & Outboard with electric motors. Port side lower E.R.
Two (2) Main Condensate pumps. Port & 1st side with electric motors. Port side lower E.R.
Auxiliary Condensate pump with electric motor. 1st side lower E.R.
Fire and Butternorth pump with electric motor. Port side shaft recess.
Fire and Butternorth pump with electric motor. Port side lower E.R.
Engine room Bilge pump with electric motor. Port side lower E.R.
Engine room Bilge pump with electric motor. Port side shaft recess.
Portable Draining water pump with electric motor. 1st side Boiler room.
Fresh water pump with electric motor. Weather deck midship.
Fuel oil transfer pump. Steam driven. Forward pump room.
Bilge & Ballast pump. Steam driven. Forward pump room.
Salt water service pump with electric motor. Port side shaft recess.
Sanitary pump with electric motor. Port side shaft recess.
Port & 1st side Main Cargo pumps with electric motors. Motors in Engine room.
Pumps in after pump room.
Port & 1st side Tripping pumps with electric motors. Motors in Engine room.
Pumps in after pump room.
Cargo Tripping pump. Steam driven. After pump room.
Two (2) Evaporators. Port side upper E.R. aft. Spind cleaned coils & shell tested, caps
adjusted.
Two (2) Lubricating oil coolers. aft upper E.R. Spind cleaned and tested.
Two (2) Fuel oil heaters. Port side boiler room. Port end.
Feed water heater (Tray type) cleaned and tested. Off end Boiler.
Main & Auxiliary Air Exhausters. Port side aft E.R. opened and examined.
Inboard & Outboard Auxiliary generators & turbines. Reduction gear, governor gear, 1st
Lubricating oil storage tanks. upper E.R. 1st side opened, cleaned, examined and tested.
The 2 Main H.T. Boilers were examined over all parts, with doors mounted and
valves & found in good condition. Safety valves adjusted under 500 lbs.
to W.P. 500 lbs. Superheater safety valve adjusted to 485 lbs.
Fuel oil burning system with installation of pumps, piping, valves, and duct work
examined under working conditions and found in good condition.

Machinery repairs

Main turbine. All interstage diaphragm lathe packing removed, cleaned and new
internal surfaces of turbine casings and rotor were wire brushed and cleaned.
Bearings and thrust adjusted. overspeed governor. Spind cleaned and placed in
Inboard and Outboard Auxiliary Turbos. Generators. Turbine & reduction casings
examined. rotor Hadding wire brushed. diaphragm packing port removed. gland seal
bearing row removed. Lubricating oil piping removed and cleaned and replaced.

GRAVENCHON EX SEDAN

(3)

Continuation of Report No. 47899 dated

on the

9a.

of

Main circulating pump. remounted bearings. spare impeller & shaft fitted. original shaft
removed and placed on hand as spare.

Main feed pump. Inboard. Turbine casings opened & examined. Pump casings, cleaned and
impeller redesigned. governor gear overhauled. tried out with overspeed, and found in order.

Main feed pump. Aft. Turbine casings opened & examined. Pump casings, cleaned
seal rings renewed. thrust shoes renewed. tried out and found in good order.

Auxiliary feed pump. Liquid end, pump removed. section & delivery valves. Machines
fresh water pumps inboard. impeller shaft renewed.

Main Condensate pump. impeller shaft steels renewed.

Engine room Bilge pump. lines & valves renewed. Port side E.R.

Fire & Butternorth pump. port side. left rear valves renewed.

Large Tripping pump. forward pump room. Liquid end lines renewed. Thimble packing
renewed. section & delivery valves renewed.

Boiler repairs

including superheater safety valves
Safety valves removed & tested thoroughly. overhauled and replaced in
good order. Superheater drain valves renewed. port boiler.

A number of land life plate on Port boiler removed for examination of tubes.
Brickwork on Port superheater doors renewed.

Brickwork in Port boiler repaired as necessary. Those in tank boilers renewed.
Hydrostatic pressure of 525 lbs applied to tank boilers and found tight.

Electrical repairs

Main circulating pump motor. armature removed to shop.
Dynamically balanced and replaced in good condition.

Main Motor reversing switch contact tips renewed.
Centre fixed through motor bearings renewed. All screws throughout the vessel replaced.

with non-splatter type. with refractory filler. Deck outlets replaced with Smith interlocked outlets.
Pump room. fixtures. Missing glass. Made and gaskets renewed in forward and after pump rooms.

Walking conductor on signal mast installed.
Generators. Inboard & Outboard. tested under full load. Governors tested by throwing
the full load on and off. Collector ring on tank generators. tested and brushes refitted.

Auxiliary generator windings cleaned and coated.

Cargo pump. control. valve cleaned, driven and adjusted.

Impeller for Main Circulator removed to General Electric shop. thoroughly
overhauled and replaced in good condition.

1st side Main Cargo pump motor. after full end motor. frame. bung fractured
removed and bungs welded. attachment checked in. Cable replaced in good condition.

The electrical installation examined under working conditions, generator, cables, fittings on
the Main Deckboard and in distribution boxes examined.

Insulation resistance tests made on all circuits, minor repairs effected all found to be
in good order.

The following motor cleaned, overhauled and found in good condition

3 Main Cargo and 2 Tripping pump motors. Forward Evaporator pump motor.

After Fire & Butternorth pump motor. Port & 1st side Steering gear motor.

Emergency generator & Diesel engine tried out under working conditions and
found satisfactory. All machinery seen under working conditions during port.

and sea trials and found satisfactory.

2/15/10