

T.4 REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report 29th. Oct. 1943 When handed in at Local Office 29th. Oct. 1943 Port of Montreal, P.Q.
 To. in Survey held at Montreal, P.Q. Date, First Survey 17th. Sept. Last Survey 14th. Oct. 1943
 (Number of Visits 23)
 on the Single Screw Steamer "FORT PERROT" Tons { Gross 7170.64 Net 4237.06
 Built at Prince Rupert, BC By whom built Prince Rupert Dry Dock Company Limited When built 1943
 Engines made at Lachine, P.Q. By whom made Canadian Allis-Chalmers Engine No. 254 When made 1943
 Boilers made at Lachine, P.Q. By whom made Limited Boiler No. 44-01-3 When made 35
 Registered Horse Power 504 628 Owners Port belonging to
 Nom. Horse Power as per Rule 504 628 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
 Trade for which Vessel is intended --

ENGINES, &c.—Description of Engines Triple Expansion Revs. per minute 76
 Dia. of Cylinders 24½" x 37" x 70" Length of Stroke 48" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 13.99" 14.21 Crank pin dia. 14½" Crank webs Mid. length breadth -- Thickness parallel to axis 9" & 9½" L.P.
as fitted 14½" Mid. length thickness -- sbrunk Thickness around eye-hole 7.125"
 Intermediate Shafts, diameter as per Rule 13.33" 13.53 Thrust shaft, diameter at collars as per Rule 13.99" 14.21
as fitted 13.5" as fitted 14.25"
 Main Shafts, diameter as per Rule -- Screw Shaft, diameter as per Rule 14.87" 15.07
as fitted -- as fitted 15.25" Is the screw shaft fitted with a continuous liner Yes
 Bronze Liners, thickness in way of bushes as per Rule .75" Thickness between bushes as per Rule .565" Is the after end of the liner made watertight in the
as fitted .78125" as fitted .68"
 Propeller boss Yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner Solid
 the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive Tight fit
 two liners are fitted, is the shaft lapped or protected between the liners -- Is an approved Oil Gland or other appliance fitted at the after end of the tube
ft. No If so, state type -- Length of Bearing in Stern Bush next to and supporting propeller 61"
 Propeller, dia 18½"-6" Pitch 16½"-0" No. of Blades 4 Material Bronze whether Moveable Solid Total Developed Surface 117 sq. ft.
 Red Pumps worked from the Main Engines, No. None Diameter -- Stroke -- Can one be overhauled while the other is at work --
 Ge Pumps worked from the Main Engines, No. Two Diameter 4½" Stroke 26" Can one be overhauled while the other is at work Yes
 Feed { No. and size Pumps connected to the { No. and size
 mps { How driven Main Bilge Line { How driven
 Blast Pumps, No. and size Lubricating Oil Pumps, including Spare Pump, No. and size
 two independent means arranged for circulating water through the Oil Cooler Suctions, connected to both Main Bilge Pumps and Auxiliary
 ze Pumps;—In Engine and Boiler Room.
 Pump Room In Holds, &c.

in Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine Room Bilges,
 and size Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes.
 the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges
 all Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks
 they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Overboard Discharges above or below the deep water line
 they each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate
 at Pipes pass through the bunkers How are they protected
 at pipes pass through the deep tanks Have they been tested as per Rule
 all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
 the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one
 partment to another Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

MAIN BOILERS, &c.— (Letter for record) Total Heating Surface of Boilers
 Which Boilers are fitted with Forced Draft Which Boilers are fitted with Superheaters
 and Description of Boilers Working Pressure

A REPORT ON MAIN BOILERS NOW FORWARDED?

A DONKEY BOILER FITTED?

No

If so, is a report now forwarded?

the donkey boiler be used for domestic purposes only

ANS. Are approved plans forwarded herewith for Shafting
 (If not state date of approval)

Main Boilers

Auxiliary Boilers

Donkey Boilers

heaters. General Pumping Arrangements

Oil fuel Burning Piping Arrangements

SPARE GEAR.

the spare gear required by the Rules been supplied

the principal additional spare gear supplied

The foregoing is a correct description
 CANADIAN ALLIS-CHALMERS LIMITED,

PER:

Manufacturer.



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