

Rpt. 4.

No. 5962

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REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

3 JAN 1944

Date of writing Report 24th. Aug. 1943 When handed in at Local Office 4th. Aug. 1943 Port of Montreal, P.Q.

No. in Survey held at Montreal, P.Q. Date, First Survey 22nd. May Last Survey 29th. July 19 43

Reg. Book. S. S. "FORT VENANGO" (Number of Visits 33) Tons 7166.14 Gross 4251.43 Net

Built at North Vancouver, B.C. By whom built Burrard Dry Dock Co. Ltd., Yard No. 189 When built 1943

Engines made at Lachine, P.Q. By whom made Canadian Allis-Chalmers Limited Engine No. 247 When made 1943

Boilers made at By whom made Boiler No. When made

Registered Horse Power Owners Port belonging to Is Electric Light fitted Yes

Nom. Horse Power as per Rule 504 Is Refrigerating Machinery fitted for cargo purposes No

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" Crank pin dia. 14½" Crank webs shrunk Thickness parallel to axis 9" & 9½" L.P.

Intermediate Shafts, diameter as per Rule 13.33" as fitted 13.5" Thrust shaft, diameter at collars as per Rule 13.99" as fitted 14.25"

Tube Shafts, diameter as per Rule -- as fitted -- Screw Shaft, diameter as per Rule 14.87" 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 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

If 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

If 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 shaft No If so, state type -- Length of Bearing in Stern Bush next to and supporting propeller 61"

Propeller, dia. 18'-6" Pitch 16'-0" No. of Blades 4 Material Bronze whether Moveable Solid Total Developed Surface 117 sq. ft.

Feed Pumps worked from the Main Engines, No. None Diameter -- Stroke -- Can one be overhauled while the other is at work --

Bilge 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
Pumps {How driven Main Bilge Line {How driven

Ballast Pumps, No. and size Lubricating Oil Pumps, including Spare Pump, No. and size

Are two independent means arranged for circulating water through the Oil Cooler Suctions, connected to both Main Bilge Pumps and Auxiliary

Bilge Pumps;—In Engine and Boiler Room In Pump Room In Holds, &c.

Main Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes

Are 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.

Are all Sea Connections fitted direct on the skin of the ship. Are they fitted with Valves or Cocks.

Are 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.

Are 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.

What Pipes pass through the bunkers. How are they protected.

What pipes pass through the deep tanks. Have they been tested as per Rule

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times.

Is 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 compartment to another. Is the Shaft Tunnel watertight. Is it fitted with a watertight door. worked from

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 7140 Square Feet

Which Boilers are fitted with Forced Draft All Three Which Boilers are fitted with Superheaters All Three

No. and Description of Boilers 3 Single Ended Multitubular Working Pressure 220 Lbs./Sq. In.

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS A DONKEY BOILER FITTED? No If so, is a report now forwarded? --

Can the donkey boiler be used for domestic purposes only. --

PLANS. Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey Boilers.

(If not state date of approval)

Superheaters. General Pumping Arrangements. Oil fuel Burning Piping Arrangements.

SPARE GEAR.

Has the spare gear required by the Rules been supplied roll

State the principal additional spare gear supplied 230 lb.

Originally intended for "Ocean" vessel
now fitted in a Victory

The foregoing is a correct description
CANADIAN ALLIS-CHALMERS LIMITED
PER: Hyland

Manufacturer.



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Lloyd's Register
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Certificate to be sent to

The Surveyors are requested not to write on or below the space for Committee's Minute.)

When applied for,

When received,

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Committee's Minute

Assigned

see minute

on J.E. Rpt.

The amount of Entry Fee ... \$ 30.00

Special ... \$ 26.00

Donkey Boiler Fee ... £ 6.00

Travelling Expenses (if any) ...

When applied for,

When received,

19

Committee's Minute

Assigned

see minute

on J.E. Rpt.