

mil. Rpt.
No. 5959

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

18 DEC 1943

of writing Report 18th. Aug. 1943 When handed in at Local Office 3rd. Aug. 1943 Port of Montreal, P.Q.
Survey held at Montreal, P.Q. Date, First Survey 31st. May Last Survey 30th. July 1943
S. S. "FORT LA BAYE"
Vancouver, B.C. By whom built West Coast Shipbuilders, Ltd. Yard No. 128 When built
Lachine, P.Q. By whom made Dominion Engineering Works Limited Engine No. 115 When made 1943
Boiler No. When made
Registered Horse Power Owners Port belonging to
m. Horse Power as per Rule 504 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
for which Vessel is intended

Engines, &c.—Description of Engines Triple Expansion
No. of Cylinders 3 No. of Cranks 3
Length of Stroke 48" Mid. length breadth -- shrunk Thickness parallel to axis 9" & 9 1/2" L.P.
Crank pin dia. 1 1/4" Crank webs Mid. length thickness -- Thickness around eye-hole 7.125"
Thrust shaft, diameter at collars as per Rule 13.99" as fitted 14.25"
Screw Shaft, diameter as per Rule 14.87" as fitted 15.25"
Is the shaft fitted with a continuous liner Yes
Thickness between bushes as per Rule .75" as fitted .68"
Is the after end of the liner made watertight in the
Solid
Tight Fit
If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner.
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.
Is an approved Oil Gland or other appliance fitted at the after end of the tube
Length of Bearing in Stern Bush next to and supporting propeller 61"
Total Developed Surface 117 sq. ft.
Can one be overhauled while the other is at work Yes
Pumps connected to the Main Bilge Line No. and size How driven
Lubricating Oil Pumps, including Spare Pump, No. and size
Suctions, connected to both Main Bilge Pumps and Auxiliary
Oil Cooler
In Holds, &c.

in Water Circulating Pump Direct Bilge Suctions, No. and size
Independent Power Pump Direct Suctions to the Engine Room Bilges,
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
Are they fitted with Valves or Cocks
Are the Overboard Discharges above or below the deep water line
Are the Blow Off Cocks fitted with a spigot and brass covering plate
How are they protected
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
Is it fitted with a watertight door worked from

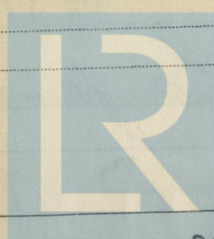
AIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 7140 Square Feet
Which Boilers are fitted with Forced Draft All Three Which Boilers are fitted with Superheaters All Three
and Description of Boilers 3 Single Ended Multitubular Working Pressure 220 Lbs./Sq. In
A REPORT ON MAIN BOILERS NOW FORWARDED? Yes
A DONKEY BOILER FITTED? No If so, is a report now forwarded? --
the donkey boiler be used for domestic purposes only --
Main Boilers Auxiliary Boilers Donkey Boilers
Are approved plans forwarded herewith for Shafting Main Boilers
(If not state date of approval)
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
Originally intended for Ocean service
now fitted in "Dialoy"

The foregoing is a correct description
DOMINION ENGINEERING WORKS LIMITED
PER: B. W. Sutter

Manufacturer.



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Lloyd's Register
Foundation
003503-003512-0076

Dates of Survey while building
During progress of work in shops - - 31st May. 3, 9, 14, 16, 21, 23, 25, 28, 30 June. 1, 2, 3, 6, 8, 9, 12, 13, 14, 16, 19, 20, 22, 23, 24, 26, 27, 28, 29, 30 July.
During erection on board vessel - - -
Total No. of visits

Dates of Examination of principal parts — Cylinders 31.5.43, 24.7.43 Slides 31.5.43, 24.7.43 Covers 31.5.43, 24.7.43
Pistons 31.5.43, 24.7.43 Piston Rods 30.7.43 Connecting rods 30.7.43
Crank shaft 30.7.43 Thrust shaft 24.7.43 Intermediate shafts
Tube shaft Screw shaft Propeller
Stern tube Engine and boiler seatings Engines holding down bolts
Completion of fitting sea connections
Completion of pumping arrangements Boilers fixed Engines tried under steam
Main boiler safety valves adjusted Thickness of adjusting washers
Crank shaft material O.H. Steel Identification Mark HS. 30.7.43 Thrust shaft material O.H. Steel Identification Mark HS. 24.7.43
Intermediate shafts, material Identification Marks Tube shaft, material Identification Mark
Screw shaft, material Identification Mark Steam Pipes, material Test pressure Date of Test
Is an installation fitted for burning oil fuel No Is the flash point of the oil to be used over 150°F.
Have the requirements of the Rules for the use of oil as fuel been complied with
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo If so, have the requirements of the Rules been complied with
If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with
Is this machinery duplicate of a previous case Yes If so, state name of vessel SS "FORT TADOUSSAC" & "FORT CHAM
General Remarks (State quality of workmanship, opinions as to class, &c.

This ENGINE has been constructed under Special Survey in accordance with the Rules and Approved
The materials and workmanship are good. The cylinders were tested hydrostatically to 330, 110
30 lbs. pressure per square inch respectively, and found tight under those pressures.
This ENGINE has been fitted with Cast Steel Connecting Rods.
The ENGINE has now been shipped to Vancouver, B.C., for installation and official trials.
It is recommended for the favourable consideration of the Committee that the record of * L.M.
(with date) be made in the Register Book in the case of this Vessel, subject to satisfactory
installation and sea trials.

The amount of Entry Fee ... \$ 30.00 : When applied for, 6. 10. 1943
Special ... \$ 269.00 :
Donkey Boiler Fee ... £ :
Travelling Expenses (if any) \$ 7.00 :
When received, ✓ 19

H. J. Saunders
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute
Assigned See fee made by Vcr 5999