

mil. Rpt. No. 5959

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

18 DEC 1843

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

(Number of Visits 30) Tons (Gross 7161.66 Net 4247.85)

on the S. S. "FORT LA BAYE"

built at Vancouver, B.C. By whom built West Coast Shipbuilders, Ltd. Yard No. 128 When built

Engines made at Lachine, P.Q. By whom made Dominion Engineering Works Limited Engine No. 115 When made 1943

Boilers made at By whom made Boiler No. When made

Registered Horse Power Owners

Port belonging to

Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

504

for which Vessel is intended

Engines, &c.—Description of Engines Triple Expansion Revs. per minute 76

No. of Cylinders 3 No. of Cranks 3

Length of Stroke 48" Thickness parallel to axis 9" & 9 1/2" L.P. 7.125

Mid. length breadth -- Crank webs shrunk Thickness around eye-hole 7.625

Mid. length thickness --

ank shaft, dia. of journals as per Rule 13.99" Crank pin dia. 14 1/2" Thrust shaft, diameter at collars as per Rule 13.99" as fitted 14.25"

Intermediate Shafts, diameter as per Rule -- as fitted 13.33" Screw Shaft, diameter as per Rule 14.87" as fitted 15.25" Is the screw shaft fitted with a continuous liner Yes

Propeller Shafts, diameter as per Rule -- as fitted --

Brass Liners, thickness in way of bushes as per Rule .75" Thickness between bushes as per Rule .565" as fitted .68" Is the after end of the liner made watertight in the peller 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

Is the space charged with a plastic material insoluble in water and non-corrosive. Tight Fit

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.

Material Bronze whether Moveable Solid

Can one be overhauled while the other is at work --

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

Oil Cooler Suctions, connected to both Main Bilge Pumps and Auxiliary

two independent means arranged for circulating water through the Oil Cooler

In Engine and Boiler 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

Are they fitted with Valves or Cocks

all Sea Connections fitted direct on the skin of the ship

Are the Overboard Discharges above or below the deep water line

they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates

Are the Blow Off Cocks fitted with a spigot and brass covering plate

they each fitted with a Discharge Valve always accessible on the plating of the vessel

How are they protected

at Pipes pass through the bunkers

Have they been tested as per Rule

at pipes pass through the deep tanks

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 apartment 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

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 --

PLANS. Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey 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 220 lb

now fitted in Drydock 230 lb

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

Manufacturer.



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 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. 7832 30.7.43 Thrust shaft material O.H. Steel Identification Mark HS. 8184 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 and 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.

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

The amount of Entry Fee	\$ 30:00	When applied for,
Special	\$ 269:00	6. 10. 1943
Donkey Boiler Fee	£ :00	When received,
Travelling Expenses (if any)	7:00	19

Vcl,

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

Committee's Minute

Assigned See fee made up. Vcl 5999

