

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Know. Rpt. No. 5792

4 OCT 1943

Received at London Office

Reporting Report Jan. 27th 19 43 When handed in at Local Office Jan. 25th 19 43 Port of MONTREAL, QUE.
 Survey held at MONTREAL, QUE. Date, First Survey Dec. 1st, 1942 Last Survey Jan. 20th 19 43
 on the S. S. CRESCENT PARK. (Number of Visits)
PICTOU, N. S. By whom built PICTOU FOUNDRY & MACHINE CO. (Shipbuilding Division) Yard No. 2 When built
 made at LACHINE, P. Q. By whom made DOMINION BRIDGE CO. LTD. Engine No. 2006 When made
 made at LACHINE, P. Q. By whom made DOMINION BRIDGE CO. LTD. Boiler No. B.1042 P6 When made 1943
 red Horse Power Owners Port belonging to
 Horse Power as per Rule 268.81 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
 for which Vessel is intended OCEAN GOING

INES, &c.—Description of Engines Triple Expansion, 3 Cylinder Revs. per minute 72
 Cylinders 20" 31" 55" Length of Stroke 39" No. of Cylinders 3 No. of Cranks 3
 shaft, dia. of journals as per Rule 10.99" Crank pin dia. 11.25" Mid. length breadth 16.25" Thickness parallel to axis 6.875"
 as fitted 11.25" Crank webs Mid. length thickness 6.875" Thickness around eye-hole 4.75"
 Intermediate Shafts, diameter as per Rule 10.47" Thrust shaft, diameter at collars as per Rule 10.99"
 as fitted 10.75" as fitted 11.25"
 Shafts, diameter as per Rule Screw Shaft, diameter as per Rule 11.78" Is the screw shaft fitted with a continuous liner Yes
 as fitted as fitted 12.25"
 Liners, thickness in way of bushes as per Rule .657" Thickness between bushes as per Rule .493" Is the after end of the liner made watertight in the boss Yes
 as fitted .6875" as fitted .53125"

 Length of Bearing in Stern Bush next to and supporting propeller 51-3/8"
 dia. 15.75" Pitch 14.0' No. of Blades 4 Material Bronze whether Moveable No Total Developed Surface sq. ft.
 Pumps worked from the Main Engines, No. 2 Diameter 3" Stroke 26" Can one be overhauled while the other is at work Yes
 Pumps worked from the Main Engines, No. 2 Diameter 4.25" Stroke 26" 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
 independent means arranged for circulating water through the Oil Cooler Suctions, connected to both Main Bilge Pumps and Auxiliary
 pumps, — In Engine and Boiler Room
 In Holds, &c.

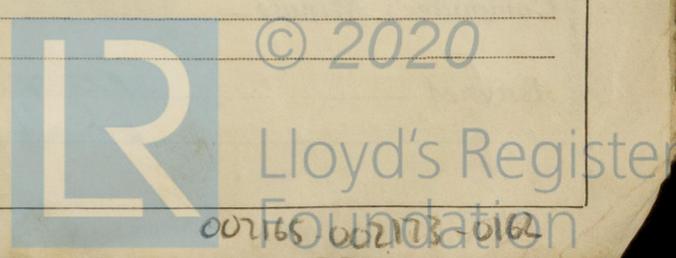
Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine Room Bilges,
 size Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes
 Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges
 Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks
 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
 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
 pipes pass through the bunkers How are they protected
 pipes pass through the deep tanks Have they been tested as per Rule
 pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
 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

V BOILERS, &c.— (Letter for record S) Total Heating Surface of Boilers 3854 square feet
 Boilers are fitted with Forced Draft Port & Starboard Which Boilers are fitted with Superheaters Port and Starboard
 Description of Boilers 2 - Multitubular Scotch Boilers Working Pressure 200 lbs/sq. in.
REPORT ON MAIN BOILERS NOW FORWARDED? Yes
DONKEY BOILER FITTED? If so, is a report now forwarded?
 Donkey boiler be used for domestic purposes only
 Are approved plans forwarded herewith for Shafting Approved Main Boilers Approved Auxiliary Boilers Donkey Boilers
 (If not state date of approval) London New York
 General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR.

Spare gear required by the Rules been supplied
 principal additional spare gear supplied

The foregoing is a correct description
 DOMINION BRIDGE CO. LIMITED
 R. H. Findlay, Mechanical Engineer, Manufacturer.



Dec. 1, 6, 8, 9, 12, 14, 16, 17, 22, 30, Jan. 4, 6, 9, 12, 14, 18, 20

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits

Dates of Examination of principal parts - Cylinders H.P. 14.12.42
M.P. 12.12.42
L.P. 21.11.42
Slides 14.1.43 Covers 14.12.42
Pistons 4.1.43 Piston Rods 4.1.43 Connecting rods 4.1.43
Crank shaft 8.12.42 Thrust shaft 17.6.42 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
IR No. 5473
Crank shaft material O H Steel Identification Mark HGLP 8.12.42 Thrust shaft material O H Steel Identification Mark LR No. 5519 MULTITUBU
PW 17.6.4

Intermediate shafts, material O H Steel Identification Marks Tube shaft, material O H Steel Identification Mark
Screw shaft, material O H Steel 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 No 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

General Remarks (State quality of workmanship, opinions as to class, &c. This ENGINE together with Thrust Shaft, Thrust Block and Condenser have been constructed under Special Survey, in accordance with the Rules and Approved Plans, and the workmanship is, in my opinion, good.

The Forgings and Castings have been tested and finally examined by the undersigned and found satisfactory.

This ENGINE has been shipped to PICTOU FOUNDRY & MACHINE CO. (Shipbuilding Division), PICTOU, N.S., for installation and official trials.

It is recommended for the favourable consideration of the Committee that the record of * L.M.C. (with date) be made in the Register Book in the case of the 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 ... \$ 20.00 : When applied for,
Special ... £ 200.00 : Feb. 6 1943
Donkey Boiler Fee ... £ :
Travelling Expenses (if any) £ 18.00 : When received,
19.

W. G. Redfern
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 12 OCT 1943

Assigned see minute on file to Rpt.

