

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

27 SEP 1944

Date of writing Report April 24, 44 When handed in at Local Office April 10, 19 44 Port of Montreal, Que.
 No. in Survey held at Three Rivers, Que. Date, First Survey Oct. 8, 1943 Last Survey April 5, 19 44
 Reg. Book ✓ on the S.S. "CATARAQUI PARK" (Number of Visits Constant attendance Tons Gross Net)
 Built at Pictou, N.S. By whom built FOUNDATION MARITIME LTD Yard No. 14 When built 1944
 Engines made at Three Rivers, Que. By whom made Canada Iron Foundries Ltd Engine No. 2021 When made 1944
 Boilers made at LACHINE P.Q. By whom made DOMINION BRIDGE CO LTD Boiler No. 1340 P4 When made 1944
 Registered Horse Power _____ Owners CANADIAN GOVERNMENT Port belonging to _____
 Nom. Horse Power as per Rule 268.81 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
 Trade for which Vessel is intended Ocean Going

ENGINES, &c.—Description of Engines Triple Expansion 3 Cylinder Revs. per minute 72
 Dia. of Cylinders 20" 31" 55" Length of Stroke 39" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 10.99" Crank pin dia. 11.25" Crank webs Mid. length breadth 16.25" Thickness parallel to axis 6.875"
 as fitted 11.25" 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"
 Tube Shafts, diameter as per Rule _____ Screw Shaft, diameter as per Rule 11.78" Is the ✓ shaft fitted with a continuous liner Yes
 as fitted _____ as fitted 12.25"
 Bronze 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
 as fitted .6875" as fitted .53125" propeller boss Yes

Propeller, dia. 15.75" Pitch 14.0" No. of Blades 4 Material Bronze whether Moveable No Total Developed Surface _____ sq. ft.
 Feed Pumps worked from the Main Engines, No. 2 Diameter 3" Stroke 26" Can one be overhauled while the other is at work Yes
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 4.25" Stroke 26" Can one be overhauled while the other is at work Yes
 Feed Pumps { No. and size _____ Pumps connected to the { No. and size _____
 { 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 3854 square feet
 Which Boilers are fitted with Forced Draft Port & Stbd. Which Boilers are fitted with Superheaters Port & Stbd.
 No. and Description of Boilers 2 - Multitubular Scotch Boilers Working Pressure 200 lbs./square inch
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes
 IS A DONKEY BOILER FITTED? _____ 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 Approved London Main Boilers Approved New York 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 Yes
 State the principal additional spare gear supplied _____

The foregoing is a correct description
 Canada Iron Foundries Limited
 For W. J. D. [Signature]

Manufacturer.



© 2021
 Lloyd's Register
 Foundation
 008028-008039-0046

Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - - -

Total No. of visits

Constant attendance - from Oct. 8, 1943 to April 5, 1944

Dates of Examination of principal parts - Cylinders 31.1.44 9.3.44 Slides 27.1.44 24.2.44 Covers 4.2.44 18.2.44
 Pistons 20.12.43 14.1.44 4.4.44 Piston Rods 7.1.44 10.2.44 21.3.44 Connecting rods 3.1.44 12.2.44 16.3.44
 Crank shaft 6.2.44 8.3.44 Thrust shaft 26.8.43 8.3.44 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 **Crank Webs Cast Steel** Identification Mark **Lloyd's No. 8601**
 Pins & Journals **O.H. Steel** Identification Mark **T.C. 8.3.44** Thrust shaft material **O.H. Steel** Identification Mark **T.C. 8.3.44**
 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 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 **S/S "ROCKWOOD PARK"**

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 Foundation Maritime Limited, 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.

The amount of Entry Fee ... \$ 20 : 00 :) When applied for,
 Special ... \$ 200 : 00 :) **5-19-44**
 Donkey Boiler Fee ... \$: :)
 Travelling Expenses (if any) \$ 18 : 50 :) When received, 19

Thomas Clark
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **FRI. 6 OCT 1944**

Assigned *see minute on H.Rpt.*



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