

# REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report April 4, 1944 When handed in at Local Office March 14, 1944 Port of Montreal, Que.

No. in Survey held at Three Rivers, Que. Date, First Survey Sept. 20, 1943 Last Survey March 1, 1944

Reg. Book 13 on the S.S. "CONFEDERATION PARK" (Number of Visits) Constant attendance Tons     

Built at Pictou N.S. By whom built FOUNDATION MARITIME LTD Yard No. 13 When built 1944

Engines made at THREE RIVERS, QUE. By whom made CANADA IRON FOUNDRIES LTD. Engine No. 2020 When made 1944

Boilers made at      By whom made      Boiler No.      When made     

Registered Horse Power      Owners      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"

Intermediate Shafts, diameter as per Rule 10.47" Thrust shaft, diameter at collars as per Rule 10.99"

Tube Shafts, diameter as per Rule --- Screw Shaft, diameter as per Rule 11.78" Is the shaft fitted with a continuous liner Yes

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 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 Main Bilge Line (No. and size)~~

~~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 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     

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  
Per     

Manufacturer.



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Dates of Survey while building { During progress of work in shops -- Constant attendance - from Sept. 20th, 1943 to March 1, 1944.  
 { During erection on board vessel --  
 Total No. of visits

Dates of Examination of principal parts — Cylinders 3.1.44 6.2.44 Slides 12.12.43 7.1.44 Covers 10.12.43 4.1.44  
 Pistons 8.12.43 12.1.44 16.2.44 Piston Rods 20.12.43 20.1.44 21.2.44 Connecting rods 10.12.43 7.1.44 18.2.44  
 Crank shaft 4.1.44 15.2.44 Thrust shaft 22.3.43 15.2.44 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 LLOYD'S No. 8600  
 Pins & Journals Identification Mark T.C. 15.2.44 Thrust shaft material O.H. Steel Identification Mark LLOYD'S No. T.C. 15.2.44  
 Intermediate shafts, material O.H. Steel 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 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, Nova Scotia 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 Surveyors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee ... \$ 20<sup>00</sup> : ) When applied for,  
 Special ... \$ 200<sup>00</sup> : ) 17<sup>th</sup> Apl. 1944  
 Donkey Boiler Fee ... \$ : )  
 Travelling Expenses (if any) \$ 12<sup>50</sup> : ) When received, 19

*Shirius Clark*  
 Engineer Surveyor to Lloyd's Register of Shipping.

TUES. 1 AUG 1944

Committee's Minute

Assigned

*see minute on 28/8/44*



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