

4 REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office **E-6 JUN 1945**

Date of writing Report **Nov. 30th, 1944** When handed in at Local Office **Nov. 6th, 1944** Port of **Montreal, Que.**
No. in Survey held at **Three Rivers, Que.** Date, First Survey **April 20th, 1944** Last Survey **Oct. 31st, 1944.**
Reg. Book **S.S. "EVANGELINE PARK"** (Number of Visits **Constant attendance**) Tons { Gross
Built at **Pictou N.S.** By whom built **FOUNDATION MARITIME LTD.** Yard No. **21** When built **1944**
Engines made at **Three Rivers, Que.** By whom made **Canada Iron Foundries Ltd.** Engine No. **2034** 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 fitted **11.25"** as per Rule **10.47"** Thrust shaft, diameter at collars as per Rule **10.99"** Thickness around eye-hole **4.75"**
Tube Shafts, diameter as fitted **10.75"** as per Rule **11.78"** Is the **screw** shaft fitted with a continuous liner **Yes**
Screw Shaft, diameter as fitted **12.25"** as per Rule **4.93"** Is the after end of the liner made watertight in the
Bronze Liners, thickness in way of bushes as per Rule **.657"** Thickness between bushes 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 **51 3/8"** 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
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 they fitted with Valves or Cocks
Are all Sea Connections fitted direct on the skin of the ship
Are the Overboard Discharges above or below the deep water line
Are 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
Are they each fitted with a Discharge Valve always accessible on the plating of the vessel
How are they protected
What Pipes pass through the bunkers
Have they been tested as per Rule
What pipes pass through the deep tanks
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? **Yes** If so, is a report now forwarded?

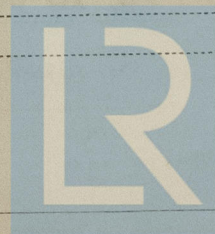
Can the donkey boiler be used for domestic purposes only. **Approved** **Approved**
PLANS. Are approved plans forwarded herewith for Shafting **London** Main Boilers **New York** Auxiliary Boilers **---** Donkey Boilers
(If not state date of approval)
Superheaters. General Pumping Arrangements. Oil fuel 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
per *[Signature]*

Manufacturer.



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Lloyd's Register
Foundation

008533-008540-0179

pt. 5a.
pt. 5a.

Constant attendance - from April 20th 1944, to October 31st, 1944.

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 22.8.44 31.10.44 26.10.44 Slides 19.8.44 18.9.44 Covers 4.9.44 29.9.44
Pistons 25.8.44 5.9.44 31.10.44 Piston Rods 30.8.44 21.9.44 31.10.44 Connecting rods 16.8.44 7.10.44 31.10.44
Crank shaft 26.9.44 23.10.44 Thrust shaft 27.7.44 25.10.44 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 Pins & Journals Identification Mark Crank Webs Cast Steel Lloyd's 3328 Lloyd's 46
O.H. Steel T.C. 25.10.44 Thrust shaft material O.H. Steel Identification Mark T.C. 25.10

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, 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.

MULTITUR
Manufacturers
Total Heating
No. and De
Tested by hyc
Area of Fir
Area of each
In case of d
Smallest dis
Smallest dis
Largest inte
Thickness
long. seams
Percentage
Percentage
Thickness
Material
Length of
Dimension
End plat
How are s
Tube pla
Mean pit
Girders
at centre
in each
Tensile
Pitch of
Working
Thicknes
Pitch of
Working
Diamete
Working
Diamete

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 :
Special ... \$ 200 : 00 :
Donkey Boiler Fee ... \$: 60 :
Travelling Expenses (if any) \$ 19 : 00 :
When applied for, 15 Dec. 1944
When received, 19

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

Committee's Minute FRI. 15 JUN 1945

Assigned

see minute
on 15 Dec 1944



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