

Lab. Rpt.
No. 6404

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 22 FEB 1945

Port of writing Report **Nov. 9th, 1944** When handed in at Local Office **Oct. 12th, 1944** Port of **Montreal, Que.**
Survey held at **Three Rivers, Que.** Date, First Survey **April 10th, 1944** Last Survey **Sept. 29th, 1944**
on the **S.S. "ASHBY PARK"** Constant attendance **Gross 2894 Tons Net 1657**
By whom built **FOUNDATION MARITIME LTD** Yard No. **20** When built **1944**
By whom made **Canada Iron Foundries Ltd** Engine No. **2032** When made **1944**
By whom made **DOMINION BRIDGE CO LTD** Boiler No. **1421 1/4** When made **1944**
Registered Horse Power **268.81** Owners **Port belonging to**
Is Refrigerating Machinery fitted for cargo purposes **No** Is Electric Light fitted **Yes**
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 collar as per Rule **10.99"**
as fitted **10.75"** as fitted **11.25"**
Screw Shaft, diameter as per Rule **11.78"** Is the screw shaft fitted with a continuous liner **Yes**
as fitted **12.25"**
Bronze Liners, thickness in way of bushes as per Rule **.657"** Thickness between bushes as per Rule **.493"**
as fitted **.6875"** as fitted **.53125"** Is the after end of the liner made watertight in the
propeller boss **Yes**
Length of Bearing in Stern Bush next to and supporting propeller **51 3/8"**
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)
How driven 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.
A Pump Room

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.
APPROVED **APPROVED**
PLANS. Are approved plans forwarded herewith for Shafting **London** Main Boiler **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

Shipping.
The foregoing is a correct description
Canada Iron Foundries Limited
Per **Manufacturer.**
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Lloyd's Register
Foundation
011646-011656-0172

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Constant attendance - from April 10th, 1944 to September 29th, 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 7.8.44 23.8.44 Slides 31.7.44 17.8.44 Covers 4.8.44 25.8.44

Pistons 15.7.44 12.8.44 29.9.44 Piston Rods 10.8.44 24.8.44 29.9.44 Connecting rods 21.8.44 7.9.44 18.8.44

Crank shaft 22.8.44 21.9.44 Thrust shaft 12.6.44 21.9.44 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 Pins & Journals Identification Mark Lloyd's 3326

Intermediate shafts, material O.H. Steel Identification Marks Thrust shaft material O.H. Steel Identification Mark Lloyd's T.C. 21.

Screw shaft, material Identification Mark Tube 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

official trials.

It is recommended for the favourable consideration of the Committee that the record of * L.M.C. (V

date) be made in the Register Book in the case of the Vessel, subject to satisfactory installation

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 : 15th Dec. 1944
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ 19:00 :
When received,
19.

Committee's Minute FRI. 2 MAR 1945

Assigned Su F.E. machy opt.

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

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