

Rpt. 4.

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REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report Feb. 14, 1944 When handed in at Local Office Jan. 7, 1944 Port of Montreal, Que.
No. in Survey held at Three Rivers, P.Q. Date, First Survey July 12th, 1943 Last Survey Dec. 28th, 1943
Reg. Book. on the S.S. BERESFORD PARK. (Number of Visits. Constant attendance)
Built at By whom built Yard No. When built
Engines made at Three Rivers, P.Q. By whom made Canada Iron Foundries Ltd. Engine No. 2017 When made 1943
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"
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 screw 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
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 {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

Per

Manufacturer.



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Lloyd's Register
Foundation

012446 - 012459 - 0108

Dates of Survey while building
During progress of work in shops - - - Constant attendance - from July 12th to Dec. 28th, 1943
During erection on board vessel - - -
Total No. of visits

Dates of Examination of principal parts - Cylinders 15.9.43 3.12.43 Slides 13.9.43 30.11.43 Covers 2.9.43 9.11.43
Pistons 5.10.43 15.10.43 16.11.43 Piston Rods 4.9.43 18.10.43 11.11.43 Connecting rods 7.9.43 12.10.43 1.11.43
Crank shaft 1.10.43 21.10.43 Thrust shaft 5.5.43 28.10.43 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 Crank Webs Cast Steel Thickness of adjusting washers LLOYD'S No. 8597
Crank shaft material Pins & Journals Identification Mark T.C. 28.10.43 Thrust shaft material O.H. Steel Identification Mark LLOYD'S No. 51
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.

The amount of Entry Fee ... \$ 20:00 : When applied for,
Special ... \$ 200:00 :
Donkey Boiler Fee ... \$ 50:00 :
Travelling Expenses (if any) \$ 14:00 :
When received,
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Thomas Clark
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute THURS 29 JUN 1944

Assigned
see minute
on Hfr J.E. Rpt



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