

20 AUG 1945

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

June 20th. 45
Sept. 30, 1944 When handed in at Local Office. Sept. 18, 44 Port of Montreal, Que. & Quebec, P.Q.

Survey held at Three Rivers, Que. & Quebec, P.Q. Date, First Survey March 28, 1944 Last Survey Sept. 11, 1944

on the Steel Single Screw Steamer "ROCKLAND PARK" Constant attendance (Number of Visits)

By whom built Morton Engineering & Dry Dock Co. Ltd. Card No. 61 When built 1945

By whom made CANADA IRON FOUNDRIES LTD Engine No. 2031 When made 1944

By whom made Dominion Bridge Co. Ltd. Boiler No. B1421-P5 B1421-S6 When made 1944

Registered Horse Power 1168 Owners Canadian Government (Mgrs.) Park S.S.Co.Ltd. Port belonging to Montréal

Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

For which Vessel is intended Ocean Going

ENGINES, &c.—Description of Engines Triple Expansion 3 Cylinder Revs. per minute 72

Number 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 collar as per Rule 10.99"

Intermediate Shafts, diameter as fitted 10.75" as fitted 11.25"

Intermediate Shafts, diameter as per Rule -- Screw Shaft, diameter as per Rule 11.78"

Intermediate Shafts, diameter as fitted -- as fitted 12.25" Is the screw 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"

Bronze Liners, thickness in way of bushes as fitted .6875" as fitted .53125" 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 75 sq. ft.

Propeller 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

How driven Main Eng. Weirs Steam Single Main Bilge Line No. and size Two X 4.25, One X10"X12"X10" How driven Main Engine, Steam duplex

Lubricating Oil Pumps, including Spare Pump, No. and size --

Oil Cooler -- Suctions, connected to both Main Bilge Pumps and Auxiliary

In Engine and Boiler Room E.R. 3-3"; 1-4" Direct; BR 2-3";

In Holds, &c. No.1 and No.2 one 3" P&S each; No.3 one ford. and one

Direct Bilge Suctions, No. and size One X 6" Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size One X 4" and one X 3"

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Yes

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 Yes

Are all Sea Connections fitted direct on the skin of the ship No, fitted on Steel stools they fitted with Valves or Cocks Valves, cocks attached. Shipside

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Overboard Discharges above or below the deep water line below

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes

What Pipes pass through the bunkers None 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 Yes

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 Yes Is the Shaft Tunnel watertight Yes Is it fitted with a watertight door No, Welded plate fitted

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? NO If so, is a report now forwarded? --

Are approved plans forwarded herewith for Shafting London Main Boilers New York Auxiliary Boilers -- Donkey Boilers --

Superheaters Approved General Pumping Arrangements Approved 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 W. Bennett

Manufacturer.



Constant attendance - from March 28, 1944 to September 11, 1944.

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits

8th. October 1944 to 15th. June 1945

Continuous attendance

Dates of Examination of principal parts - Cylinders 26.7.44 10.8.44 Slides 15.7.44 29.7.44 Covers 22.7.44 12.8.44
Pistons 4.7.44 30.7.44 11.9.44 Piston Rods 25.7.44 2.8.44 11.9.44 Connecting rods 4.8.44 19.8.44 4.9.44
Crank shaft 14.8.44 5.9.44 Thrust shaft 8.6.44 5.9.44 Intermediate shafts 8-3-45
Tube shaft - Screw shaft 8-3-45 Propeller LR 2556 WFM 27-9-44
Stern tube LR 32 BH 3-10-44 Engine and boiler seatings 13-10-44 Engines holding down bolts 16-3-45
Completion of fitting sea connections 1-11-44

Completion of pumping arrangements 30-5-45 Boilers fixed 9-4-45 Engines tried under steam 21-5-45
Main boiler safety valves adjusted 19-5-45 Thickness of adjusting washers P 25/64 P 3/8 S S 3/8 S S 27/64
Crank shaft material Crank Webs Cast Steel Lloyd's 3325 Thrust shaft material O.H. Steel Identification Mark T.C. 5.9
Intermediate shafts, material O.H. Steel Identification Marks Lloyd's 9174; 9175; 9155; 9205; 9206 Tube shaft, material OH Steel Identification Mark -
Screw shaft, material OH Steel Identification Mark Lloyd's 8925 Steam Pipes, material SDCR Test pressure 600Lbs Date of Test 4-4-45

Is an installation fitted for burning oil fuel NO 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 NO 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 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 MORTON ENGINEERING & DRYDOCK COMPANY LIMITED, QUEBEC, Que. 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 MACHINERY of this Vessel has now been properly fitted on board, and on completion tried under full working conditions, & found satisfactory.

The Safety Valves have been adjusted under steam & tested for accumulation.

In my opinion the Vessel is eligible for a record of LMC 6-45, and notation TS(CL).

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 ... \$ 325.⁰⁰ : } 30th July 1945
Donkey Boiler Fee ... \$: :
Travelling Expenses (if any) \$ Incl. : :
in Hull Rpt. : :
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R. H. Hawley, Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FM, 31 AUG 1945

Assigned + LMC 6, 45 Sph. F.D. C.L.

