

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

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Date of writing Report 25th May, 1944 When handed in at Local Office June 5th, 1944 Port of Halifax, Nova Scotia,

No. in Survey held at Pictou, N. S., Date, First Survey 12th January Last Survey 25th April, 1944. Reg. Book. (Number of Visits 35)

on the S. S. "BERESFORD PARK" Tons (Gross 2878 Net 1653)

Built at PICTOU, N. S., By whom built FOUNDATION MARITIME LD. Yard No. 11 When built 1944

Engines made at THREE RIVERS, P. Q., By whom made CANADA IRON FOUNDRIES LD Engine No. 2017 When made 1943.

Boilers made at LACHINE, P. Q., By whom made DOMINION BRIDGE CO. LD. Boiler No. B1147 P5 S8. When made 1943.

Registered Horse Power - Owners CANADIAN GOVERNMENT Port belonging to MONTREAL

Nom. Horse Power as per Rule 269. 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 Cylinders. Revs. per minute 72

Dia of Cylinders 20" 31" 55" Length of Stroke 39" No. of Cylinders THREE No. of Cranks THREE

Crank shaft, dia. of journals as per Rule 10.99" Mid. length breadth 16.25" Thickness parallel to axis 6.875"

as fitted 11.25" Crank pin dia. 11.25" Crank webs 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"

as fitted - as fitted 12.25" Is the tube 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"

as fitted .6875" as fitted .532" Is the after end of the liner made watertight in the propeller boss Yes

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner -

If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive -

If two liners are fitted, is the shaft lapped or protected between the liners - Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft No

Propeller, dia. 15.75 ft. 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 1-6" Simplex; 1-2" Injector pumps connected to the Main Bilge Line No. and size Main Engine pumps and ballast pump.

How driven Indep't. Steam Main Engine pumps and ballast pump. How driven Main Engine Indep't Steam.

Ballast Pumps, No. and size One Duplex 12" Dia. 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 Five 3" dia. & two bilge suction from dry tanks, under boilers.

In Pump Room - In Holds, &c. Nos. 1 & 2 - 3" dia. Nos. 3 & 4 - 2 1/2" dia. 2 each.

Main Water Circulating Pump Direct Bilge Suctions, No. and size One - 6" dia. Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size One - 6"; One - 4"; 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 Yes Are they fitted with Valves or Cocks Valves

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 Perm. Closed.

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 3854 sq. ft.

Which Boilers are fitted with Forced Draft Port & Stbd. Which Boilers are fitted with Superheaters Port & Stbd.

No. and Description of Boilers TWO multitubular Scotch Type Working Pressure 200 lbs.

IS A REPORT ON MAIN BOILERS NOW FORWARDED? YES

IS A DONKEY BOILER FITTED? NO 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 App. London. Main Boilers App. New York. Auxiliary Boilers - Donkey Boilers -

(If not state date of approval) See copies sent for "ROCKCLIFFE PARK" Oil fuel Burning Piping Arrangements -

Superheaters. General Pumping Arrangements -

SPARE GEAR.

Has the spare gear required by the Rules been supplied Yes

State the principal additional spare gear supplied One set packing wearing segments for all piston rods and valve spindles.

25 condenser tubes and 50 ferrules.

10 plain boiler tubes, one furnace door and 2 ash pit doors and spare gear

for forced draught fronts.

The foregoing is a correct description

R. S. Shaw.

Manufacturer.



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