

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

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Date of writing Report JUNE 10th 1942 When handed in at Local Office JUNE 10th 1942 Port of VANCOUVER B.C.
 No. in Survey held at VANCOUVER B.C. Date, First Survey MAY 26th 1942 Last Survey JUNE 4th 1942
 Reg. Book. on the STEEL SINGLE SCREW STEAMER "FORT ELLICE" (Number of Visits 23) Tons {Gross 7129.24
 Net 4254.74
 Built at VANCOUVER B.C. By whom built BURRAD DRY DOCK CO LTD Yard No. 155 When built 1942
 Engines made at MONTREAL P.Q. By whom made DOMINION ENGINEERING WORKS LTD Engine No. 14 When made 1942
 Boilers made at VANCOUVER B.C. By whom made DOMINION BRIDGE CO LTD Boiler No. 162 When made 1942
 Registered Horse Power 229 Owners H.M. GOVERNMENT, UNITED KINGDOM Port belonging to
 Nom. Horse Power as per Rule 504 505 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted YES
 Trade for which Vessel is intended

ENGINES, &c.—Description of Engines TRIPLE EXPANSION Revs. per minute 80
 Dia of Cylinders 24 1/2" x 37" x 70" Length of Stroke 48" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 14.07 14.00 Mid. length breadth - Thickness parallel to axis 9" 9/16"
 as fitted 14 1/2" Crank pin dia. 14 1/4" Crank webs shrunk Mid. length thickness - Thickness around eye-hole 6.625"
 Intermediate Shafts, diameter as per Rule 13.5 13.5 Thrust shaft, diameter at collars as per Rule 14.00 14.00
 as fitted 13.5 as fitted 14.25 Is the {tube} shaft fitted with a continuous liner { YES
 Tube Shafts, diameter as per Rule - Screw Shaft, diameter as per Rule 14.25 14.80 as fitted 16.25
 as fitted - as fitted 16.25 Is the {screw} shaft fitted with a continuous liner { YES
 Bronze Liners, thickness in way of bushes as per Rule .78 .78 Thickness between bushes as per Rule .68 .68 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 NO
 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 TIGHT FIT
 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 If so, state type - Length of Bearing in Stern Bush next to and supporting propeller 61"
 Propeller, dia. 18.6" Pitch 16.0" No. of Blades 4 Material BRONZE whether Moveable NO Total Developed Surface 147 sq. ft.
 Feed Pumps worked from the Main Engines, No. NONE Diameter - Stroke - Can one be overhauled while the other is at work NO
 Bilge Pumps worked from the Main Engines, No. TWO Diameter 4 1/2" Stroke 26" Can one be overhauled while the other is at work YES
 Feed {No. and size TWO 8" x 10 1/2" x 22" Pumps connected to the Main Bilge Line {No. and size (FOUR) ONE 10" x 10" ONE 9" x 10" TWO 8" x 10"
 Pumps {How driven STEAM STEAM How driven STEAM DUPLEX STEAM DUPLEX M.E.
 Ballast Pumps, No. and size ONE 10" x 12" x 10" duplex Lubricating Oil Pumps, including Spare Pump, No. and size NONE
 Are two independent means arranged for circulating water through the Oil Cooler YES Suctions, connected to both Main Bilge Pumps and Auxiliary
 Bilge Pumps;—In Engine and Boiler Room 1-3" DIA. PORT STAR. IN ENGRM. 1-3" DIA. PORT STAR. IN BILRM. 1-2" DIA. IN THRUST BEARING
 In Pump Room 1-4" DIA. TO R.P. 1-2 1/2" DIA. TO TUNNEL WELL In Holds, &c. 1-4" DIA. TO R.P. 1-3" DIA. PORT STAR. TO NO 1-2-3-4-5 HOLDS

Main Water Circulating Pump Direct Bilge Suctions, No. and size ONE 9" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size ONE 1" DIA. 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 STEEL AIR PIPES TO NO 4. 5 & 6 TANKS How are they protected STEEL SHEETS WELDED ACROSS FRAMES
 What pipes pass through the deep tanks NO 7. 0. 8. AIR PIPES Have they been tested as per Rule YES
 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 worked from -

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 7140 SQ. FT.
 Which Boilers are fitted with Forced Draft ALL THREE Which Boilers are fitted with Superheaters ALL THREE
 No. and Description of Boilers 3 SINGLE ENDED MULTITUBULAR Working Pressure 225 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 IN U.K. Main Boilers Auxiliary Boilers Donkey Boilers
 (If not state date of approval)
 Superheaters APPROVED PLANS IN U.K. 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

AS PER LIST FORWARDED WITH VANNER REPORT NO 5713. 1/2 FORT ST JAMES.

The foregoing is a correct description
Burrard Dry Dock Company, Limited

Caution
President

Manufacturer.



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