

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report 24. 5. 1930 When handed in at Local Office 24. 5. 1930 Port of MIDDLESBROUGH
 No. in Survey held at SOUTH BANK ON TEES. Date, First Survey 12 Dec/29 Last Survey 22. 5. 1930.
 Reg. Book. on the "PORT ALFRED" (Number of Visits)
 Built at South Bank By whom built Smiths Dock Co Ltd Yard No. 912. Tons { Gross 4918
 Engines made at do. By whom made do. Engine No. 381. Net 3005
 Boilers made at Stockton By whom made Blain & Co (1926) Ltd Boiler No. C. 780 When built 1930.
 Registered Horse Power Owners The Anticosti Shipping Co. Port belonging to Middlesbrough.
 Nom. Horse Power as per Rule 469.6 470 Is Refrigerating Machinery fitted for cargo purposes no. Is Electric Light fitted Ye.
 Trade for which Vessel is intended Timber carrier

ENGINES, &c.—Description of Engines Triple Expansion Revs. per minute 57.
 Dia. of Cylinders 25" 42" 70" Length of Stroke 48" No. of Cylinders 3. No. of Cranks 3.
 Crank shaft, dia. of journals as per Rule 13.7" Crank pin dia. 14" Mid. length breadth 22 1/2" Thickness parallel to axis 8 7/8"
 as fitted 14" Mid. length thickness 8 7/8" shrunk Thickness around eye-hole 6 7/8"
 Intermediate Shafts, diameter as per Rule 13.05" Thrust shaft, diameter at collars as per Rule 13.7"
 as fitted 13 1/2" as fitted 14"
 Tube Shafts, diameter as per Rule 14.46" Is the tube shaft fitted with a continuous liner? Ye.
 as fitted 15 1/2" Is the after end of the liner made watertight in the propeller boss Ye.
 Bronze Liners, thickness in way of bushes as per Rule 3/4" Thickness between bushes as per Rule 7/16" If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner Ye.
 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 Ye.
 If two liners are fitted, is the shaft lapped or protected between the liners Ye. 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 5' 11 1/2"
 Propeller, dia. 17' 0" Pitch 19' 6" No. of Blades 4. Material C.S. whether Moveable no. Total Developed Surface 100 sq. feet
 Feed Pumps worked from the Main Engines, No. none Diameter 4" Stroke 28" Can one be overhauled while the other is at work Ye.
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 28" Can one be overhauled while the other is at work Ye.
 Feed Pumps { No. and size 2-7' x 9 1/2' x 21" Weir / Steam Pumps connected to the { No. and size 1-10' x 11' x 10" Duplex.
 How driven 1-6' x 8' x 8" Duplex Main Bilge Line How driven Steam
 Ballast Pumps, No. and size 1-10' x 11' x 10" Duplex Lubricating Oil Pumps, including Spare Pump, No. and size Ye.
 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 3-2 1/2" 1-2 1/2" in Tunnel; 1-2 1/2" Tunnel well.
 In Holds, &c. 2-3 1/2" in each of Nos 1, 2 & 3 holds.

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1-7 1/2" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size 1-4 1/2" Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Ye.
 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 Ye.
 Are all Sea Connections fitted direct on the skin of the ship Ye. Are they fitted with Valves or Cocks Both.
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Ye. Are the Overboard Discharges above or below the deep water line above.
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Ye. Are the Blow Off Cocks fitted with a spigot and brass covering plate Ye.
 What Pipes pass through the bunkers Forward Bilge Suctions How are they protected Wood ceiling
 What pipes pass through the deep tanks none Have they been tested as per Rule Ye.
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Ye.
 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 Ye. Is the Shaft Tunnel watertight Ye. Is it fitted with a watertight door Ye. worked from E.R. Indication Platform

MAIN BOILERS, &c.—(Letter for record S.) Total Heating Surface of Boilers 6626 ft²
 Is Forced Draft fitted Ye. No. and Description of Boilers 3 S.B. Working Pressure 200 lbs.
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Ye.
 IS A DONKEY BOILER FITTED? no. If so, is a report now forwarded? Ye.

PLANS. Are approved plans forwarded herewith for Shafting 31. 10. 29 Main Boilers 12. 11. 29 Auxiliary Boilers Ye. Donkey Boilers Ye.
 Superheaters app'd to Glasgow General Pumping Arrangements 14. 11. 29 Oil fuel Burning Piping Arrangements Ye.
 SPARE GEAR. State the articles supplied:—As per Rule + 1 tail shaft, 1 C.D. Propeller;

25 CONDENSER TUBES, 24 BOILER TUBES 50 CONDENSER FERRULES. 2 AIR PUMP GUARDS & STUDS. 2 BOLTS & NUTS FOR ECCENTRIC STRAPS.
 12 JUNK RING BOLTS. 4 STUDS & NUTS FOR VALVE SPINDLE GLANDS. SET STUDS & NUTS FOR AIR & BILGE PUMP GLANDS.
 6 CYLR. COVER STUDS. 6 VALVE COVER STUDS. 2 CYLR. ESCAPE VALVES & SPRINGS. 2 SAFETY VALVE SPRINGS.
 FOR CENTRIFUGAL PUMP: 1 PISTON VALVE. 1 SET PISTON RINGS. 1 SLIDE ROD. 1 ECC. STRAP. 1 SET CONNECTING ROD BOLTS & NUTS
 1 MAIN BEARING BOLT & NUT OF EACH SIZE. FOR FAN ENGINE: 1 SET MAIN BEARINGS WITH BOLTS & NUTS. 1 SET
 CONNECTING ROD BRASSES WITH BOLTS & NUTS. 1 ECCENTRIC & STRAP. 1 PISTON ROD. 1 SLIDE ROD. 1 PISTON WITH RINGS
 2 SETS PISTON RINGS. FOR FEED PUMPS. 1 SHUTTLE VALVE. 1 SET VALVES, SEATS, GUARDS & SPRINGS.
 FOR BALLAST PUMP: 1 PISTON RING. 1 BUCKET RING. 1/2 SET VALVES & SPRINGS.
 FOR DONKEY PUMP. 1 PISTON RING. 1 BUCKET RING. 1/2 SET VALVES & SPRINGS.

FOR SMITH'S DOCK COMPANY, LTD.
 The foregoing is a correct description,

S. D. 23/5/30.

Manufacturer.



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Lloyd's Register
Foundation

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