

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

27 MAR 1925

Date of writing Report 19 When handed in at Local Office 26/3/19 25 Port of Newcastle-on-Tyne
 No. in Survey held at Newcastle-on-Tyne Date, First Survey 11 Aug/1924 Last Survey 25 March 1925
 Reg. Book. 91253 on the WEST WALES (Number of Visits 38.)
 Built at Newcastle By whom built W.D. & H.O. Wills & Co. Yard No. 224 Tons Gross 4340 Net 2665
 Engines made at Newcastle By whom made North Eastern Marine Eng. Co. Ltd. Engine No. 2590 when made 1925
 Boilers made at Newcastle By whom made North Eastern Marine Eng. Co. Ltd. Boiler No. 2590 when made 1925
 Registered Horse Power Owners Giffels & Co. Port belonging to Cardiff
 Nom. Horse Power as per Rule 490 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines.

Inverted Triple Expansion

Dia. of Cylinders 27-45-75" Length of Stroke 48" Revs. per minute No. of Cylinders 3 No. of Cranks 3
 Dia. of Crank shaft journals as per rule 13.91" as fitted 14 1/2" Dia. of Crank pin 14 1/2" Crank webs Mid. length breadth 24 3/4" Thickness parallel to axis 9" shrunk Thickness around eye-hole 7 1/2"
 Diameter of Thrust shaft under collars as per rule 13.91" as fitted 14 1/2" Diameter of Tunnel shaft as per rule 13.25" as fitted 13 1/2" Diameter of Screw shaft as per rule 14.73" as fitted 15 1/2" Is the Screw shaft fitted with a continuous liner the whole length of the stern tube 1/4" 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 joints burned 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 appliance fitted at the after end of the shaft to permit of its being efficiently lubricated Length of Stern Bush 66" Diameter of Propeller 17'9" Pitch of Propeller 17'0" No. of Blades 4 State whether Moveable No Total Surface 100 square feet.
 No. of Feed Pumps fitted to the Main Engines 2 Diameter of ditto 4" Stroke 26" Can one be overhauled while the other is at work Yes
 No. of Bilge Pumps fitted to the Main Engines 2 Diameter of ditto 4 1/2" Stroke 26" Can one be overhauled while the other is at work Yes
 Total number and size of power driven Feed and Bilge Auxiliary Pumps 2 Feed 7"x5"x8" Ballast 8"x10"x10"
 No. and size of Pumps connected to the Main Bilge Line Two Main Engine Rams + Ballast pump
 No. and size of Ballast Pumps One 8"x10"x10" No. and size of Lubricating Oil Pumps, including Spare Pump None
 Are two independent means arranged for circulating water through the Oil Cooler No. and size of suction connected to both Main Bilge Pumps and Auxiliary Bilge Pumps;—In Engine and Boiler Room Three 2 1/2" and in Holds, &c. No. 1 Hold 2-2 3/4" No. 2 Hold 2-2 3/4" No. 3 Hold 2-2 3/4"
 Aft. Main Hold 2-2 3/4" Aft. Hold 2-2 3/4" Tunnel Well Suction 1-2 1/4"

No. and size of Main Water Circulating Pump Bilge Suctions One 9" No. and size of Donkey Pump Direct Suctions to the Engine Room Bilges One 4 1/2" 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 connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Discharge Pipes above or below the deep water line Above
 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 are carried through the bunkers Forward Bilge Suctions How are they protected Wood-covered
 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 Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Upper deck

MAIN BOILERS, &c.—(Letter for record 5) Total Heating Surface of Boilers 8460 sq ft

For ced Draft fitted No. No. and Description of Boilers 3 S.E. Cyl. 350" Working Pressure 180 lbs.

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS A DONKEY BOILER FITTED? Yes

If so, is a report now forwarded? Yes

PLANS. Are approved plans forwarded herewith for Shafting (If not state date of approval)

Main Boilers Yes

Auxiliary Boilers Yes

Donkey Boilers Yes

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

SPARE GEAR. State the articles supplied:—One Propeller Shaft, Cast Iron Propeller, Two Bottom End Bolts + Nuts, Two Top end Bolts + Nuts, Two Main Bearing Bolts + Nuts, Six Coupling Bolts, Two Feed pump valves, Two Bilge Pump valves, Three Main check valve lids, Three Auxiliary check valve lids, Six Condenser tubes + 50 Ferrules, Six Main Bolts + Nuts, Two safety Valve Springs, Set of Air pump valves, Set Auxiliary Feed pump valves, Set Ballast Pump valves, Twelve Piston Bolts, Assorted Bolts, Nuts + Iron.

The foregoing is a correct description

THE NORTH EASTERN MARINE ENGINEERING CO., LTD.

Manufacturers

Secretary.



© 2020

Lloyd's Register Foundation

W1139-0123

CERTIFICATE WRITTEN 27

Lloyd's Register
Foundation