

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 7120.

Date of writing Report 5/10 1925. When handed in at Local Office to Port of Copenhagen
 Received at London Office 15 OCT 1925
 No. in Survey held at Elsinore Date, First Survey 26/11 24 Last Survey 26/9 1925.
 Reg. Book. on the Shul L. L. "Aaro" (Number of Visits 24)
 Built at Elsinore By whom built Helsingørsk Jernskibs- og Maskinbyggeri Yard No. 174 Tons { Gross 1426.26
 Engines made at Elsinore By whom made Helsingørsk Jernskibs- og Maskinbyggeri Engine No. 239 When built 1925
 Boilers made at Elsinore By whom made Helsingørsk Jernskibs- og Maskinbyggeri Boilers No. 704-705 when made 1925
 Registered Horse Power 700 Owners Dampskibsselskabet Haindal Port belonging to Elsinore
 Nom. Horse Power as per Rule 161 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

ENGINES, &c.—Description of Engines Triple expansion, surface condensing
 Dia. of Cylinders 18" 30" 50" Length of Stroke 36" Revs. per minute 75 No. of Cylinders 3 No. of Cranks 3
 Dia. of Crank shaft journals as per rule 7.737 Dia. of Crank pin 10" Crank webs Mid. length breadth ca. 15 3/4" Thickness parallel to axis 6 1/2"
 as fitted 10" Mid. length thickness 6 1/2" shrunk Thickness around eye-hole 4 3/4"
 Diameter of Thrust shaft under collars as per rule 9.737 Diameter of Tunnel shaft as per rule 7.27 Diameter of Screw shaft as per rule 10.87
 as fitted 10 1/16" as fitted 9 3/8" as fitted 11 5/16" Is the Screw shaft fitted with a continuous liner the whole length of the stern tube No liner Is the after end of the liner made watertight in the propeller boss ✓
 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 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 it being efficiently lubricated yes, Edwards's pat. Length of Stern Bush 3'-9 1/2" Diameter of Propeller 13'-6"
 Pitch of Propeller 14'-0" No. of Blades 4 State whether Movable No Total Surface 58 square feet.
 No. of Feed Pumps fitted to the Main Engines 2 Diameter of ditto 3" Stroke 18" Can one be overhauled while the other is at work yes
 No. of Bilge Pumps fitted to the Main Engines 2 Diameter of ditto 3 3/4" Stroke 18" Can one be overhauled while the other is at work yes
 Total number and size of power driven Feed and Bilge Auxiliary Pumps 1 off 13 1/2" x 9 1/2" x 12 1/2" duplex feed p., 1 off 1 1/2" injector, 1 off 7 1/2" x 7 1/2" x 9 1/2" ballast p.
 No. and size of Pumps connected to the Main Bilge Line 2 off 3 3/4" x 18" (main eng.), 1 off 7 1/2" x 7 1/2" x 9 1/2" (S pipe), 1 off 13 1/2" x 9 1/2" (2 1/2" pipe)
 No. and size of Ballast Pumps 1 off 7 1/2" x 7 1/2" x 9 1/2" duplex No. and size of Lubricating Oil Pumps, including Spare Pump ✓
 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 1 off 3 1/2", 3 off 2 3/4" and in Holds, &c. For hold 2 off 3" & for hold 2 off 2 3/4"
 Tunnel well 1 off 2"

No. and size of Main Water Circulating Pump Bilge Suctions 1 off 5" No. and size of Donkey Pump Direct Suctions ✓
 to the Engine Room Bilges 1 off 3 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 Valves, except boiler blow off cock
 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 None How are they protected ✓
 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 main deck

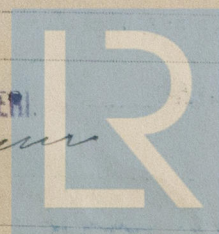
MAIN BOILERS, &c.—(Letter for record 5) Total Heating Surface of Boilers 2430 sq. ft.
 Is Forced Draft fitted No No. and Description of Boilers 2 off, single ended Working Pressure 185 lbs. per sq. in.
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? yes
 IS A DONKEY BOILER FITTED? No If so, is a report now forwarded? ✓

PLANS. Are approved plans forwarded herewith for Shafting yes Main Boilers yes Auxiliary Boilers ✓ Donkey Boilers ✓
 (If not state date of approval)
 General Pumping Arrangements yes Oil fuel Burning Piping Arrangements ✓

SPARE GEAR. State the articles supplied: 2 connecting rod top end bolts, 2 connecting rod bottom end bolts, 2 main bearing bolts, 1 set coupling bolts for 1 coupling, 1 pair of crank pin brasses, 1 pair of crosshead brasses, 1 slide valve spindle, 1 air pump rod, 1 circulating pump rod, 1 link block, 3 piston packing rings for each piston, 15 pinning screws, 1 set engine feed pump valves, 1 set engine bilge pump valves, 1 set circulating pump valves, 1 set ballast pump valves, 1 set donkey feed pump valves, 1 set air pump valves, 1 set main & donkey feed check valves, 15 condenser bolts & 30 screw ferrules, 16 boiler tubes, 2 safety valve springs, 1 spring for each cylinder escape valve, 12 water gauge glasses, 1/2 set fire bars, 1 cast iron propeller, 20 bolts with nuts & washers of various sizes, 400 lbs. wrought iron in bars of various shape and size

The foregoing is a correct description,

Helsingørsk Jernskibs- og Maskinbyggeri
 Valde Jørgensen
 Manufacturer.



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Foundation

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