

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

30 JAN 1931

Date of writing Report 27th Jan 1931 When handed in at Local Office 27th Jan 1931 Port of HELSINGBORG.

No. in Survey held at HELSINGBORG. Date, First Survey 6th Sept. 1929 Last Survey 20th Jan. 1931

Reg. Book. 71182 on the SINGLE SCREW STEEL STEAMER "KALMARUND IX" (Number of Visits 84.)

Built at Helsingborg By whom built Helsingborgs Varvs- & Sverns AB Yard No. 53 Tons { Gross 1154.16 Net 612.50

Engines made at Helsingborg By whom made Hbgs Varvs- & Sverns AB Engine No. 27 When built 1931

Boilers made at Helsingborg By whom made Hbgs Varvs- & Sverns AB Boiler No. 30.131 when made 1931

Registered Horse Power Owners ANGBÄTS AB KALMARUND. Port belonging to KALMAR.

Nom. Horse Power as per Rule 114 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes.

Trade for which Vessel is intended General Trade.

ENGINES, &c.—Description of Engines Triple expansion. Revs. per minute 90.

Dia. of Cylinders 16 1/2" - 24 1/4" - 42 1/8" Length of Stroke 27 1/16" No. of Cylinders 3 No. of Cranks 3

Crank shaft, dia. of journals as per Rule 212 mm Crank pin dia. 220 mm Crank webs Mid. length breadth 256 mm Thickness parallel to axis as approved

Intermediate Shafts, diameter as per Rule 202 mm Thrust shaft, diameter at collars as per Rule 212 mm Thickness around eye-hole " " "

Tube Shafts, diameter as per Rule 202 mm Screw Shaft, diameter as per Rule 246 mm Is the screw shaft fitted with a continuous liner No.

Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes as per Rule Is the after end of the liner made watertight in the propeller boss

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 Yes. Cdw Pat. No. 10. adjustable Length of Bearing in Stern Bush next to and supporting propeller 1147 mm

Propeller, dia. 3330 mm Pitch 3736 mm No. of Blades 4 Material Steel whether Moveable No Total Developed Surface 3.74 sq. feet

Feed Pumps worked from the Main Engines, No. 2 Diameter 70 mm Stroke 350 mm Can one be overhauled while the other is at work Yes

Bilge Pumps worked from the Main Engines, No. 2 Diameter 76 mm Stroke 350 mm Can one be overhauled while the other is at work Yes

Feed Pumps No. and size 1. 150 x 100 x 150 DBL. Pumps connected to the Main Bilge Line No. and size See feed pump

How driven By steam. Lubricating Oil Pumps, including Spare Pump, No. and size 1. to HP cyl.

Ballast Pumps, No. and size 1. 150 x 200 x 250 DBL. 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. 63 mm. (2) direct 90 mm. 1 in tunnel well 63 mm.

In Holds, &c. 2 in each hold. 63 mm.

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1. 90 mm. Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 1. 90 mm.

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 Both.

Are they fixed sufficiently high on the ship's side to be seen without lifting the stowhold plates Yes. 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 Yes. Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes.

What Pipes pass through the bunkers Bottom tank air pipes. How are they protected By steel and steel casings.

What pipes pass through the deep tanks No deep tanks. 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 Yes. worked from upper E. Room platform.

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 176.46 m² = 1894.1 sq. feet.

Is Forced Draft fitted No No. and Description of Boilers 2 multitubular. 2SB Working Pressure 192 lbs/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)

Superheaters yes. General Pumping Arrangements yes. Oil fuel Burning Piping Arrangements

SPARE GEAR. State the articles supplied:—

2 connecting rod top end bolts & nuts.

2 " " bottom " " "

2 main bearing bolts & nuts. 1 set of coupling bolts & nuts.

1 set of bilge & feed pump valves. 1 " " feed check valves.

1 " " piston rings for all main engine cylinders (Common springs not used.)

A number of cylinder & slide valve cover studs and junkring bolts.

A quantity of assorted bolts & nuts.

Iron & steel of various sizes.

10 ordinary boiler tubes. 12 condenser tubes.

1 spare propeller will be placed on board when the result of the now used will be ascertained.

The foregoing is a correct description,

Helsingborgs Varvs- & Sverns Aktiebolag


Manufacturer.



© 2021

Lloyd's Register

Foundation

CERTIFICATE WRITTEN.  Foundation

CERTIFICATE WRITTEN.

Lloyd's Register
Foundation