

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report

Jan 3 1927

When handed in at Local Office

Jan 10 1927

Port of Trieste

Received at London Office

18 JAN 1927

No. in Survey held at

Venice (Mestre)

Date, First Survey

30 Dec 1925

Last Survey

20 Dec

1926

Reg. Book.

80181 on the S. P. Pleias

(Number of Visits 16)

Built at Venice (Mestre) By whom built Soc. Ital. E. Breda

Yard No. 20

Tons { Gross 416  
Net 194

Engines made at Altona-Ottensen

By whom made Ottensener Eisenwerk A.G.

Engine No. 1271

When built 1926

Boilers made at Milan

By whom made Soc. Ital. E. Breda

Boiler No. C/20

when made 1926

Registered Horse Power

Owners Soc. Ital. E. Breda

Port belonging to Venice

Nom. Horse Power as per Rule

162

Is Refrigerating Machinery fitted for cargo purposes

no

Is Electric Light fitted

yes

See also Hamburg Report N. 16684

ENGINES, &amp;c.—Description of Engines

One Triple expansion

Dia. of Cylinders 15 1/2 x 25 1/2 x 41 1/2

Length of Stroke 23 1/2

Revs. per minute 175

No. of Cylinders 3

No. of Cranks 3

Dia. of Crank shaft journals

as per rule 7.65"

as fitted 7.87"

Dia. of Crank pin 8.26"

Crank webs

Mid. length breadth 13.58"

Mid. length thickness 4.72"

shrunk

Thickness parallel to axis 4.72"

Thickness around eye-hole 3.74"

Diameter of Thrust shaft under collars

as per rule 7.65"

as fitted 7.87"

Diameter of Tunnel shaft

as per rule 7.29"

as fitted 7.48"

Diameter of Screw shaft

as per rule 8.31"

as fitted 8.46"

Is the Screw shaft

fitted with a continuous liner the whole length of the stern tube

no, 2 liners

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 it being efficiently lubricated

yes, oil gland Lederal

Length of Stern Bush 35"

Diameter of Propeller 102.36"

Pitch of Propeller 110.24"

No. of Blades 4

State whether Moveable

no

Total Surface 25.73

square feet.

No. of Feed Pumps fitted to the Main Engines

2

Diameter of ditto 2.56"

Stroke 11.81"

Can one be overhauled while the other is at work

yes

No. of Bilge Pumps fitted to the Main Engines

2

Diameter of ditto 2.56"

Stroke 11.81"

Can one be overhauled while the other is at work

yes

Total number and size of power driven Feed and Bilge Auxiliary Pumps

Three 6" x 4" x 6", 6" x 4" x 6" 9" x 7 1/2" x 9 7/8"

No. and size of Pumps connected to the Main Bilge Line

Three 6" x 4" x 6" 6" x 4" x 6" 9" x 7 1/2" x 9 7/8"

No. and size of Ballast Pumps

one 9" x 7 1/2" x 9 7/8"

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

two a 2" one direct a 2 3/4"

and in Holds, &amp;c. one in each hold a 2 1/4"

one in tunnel a 2"

No. and size of Main Water Circulating Pump Bilge Suctions

5" one

No. and size of Donkey Pump Direct Suctions

to the Engine Room Bilges

one 2 3/4"

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 and cocks

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

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 Hold and T.P. tanks

How are they protected

wood casing

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

yes

MAIN BOILERS, &amp;c.—(Letter for record 5)

Total Heating Surface of Boilers 2690

Is Forced Draft fitted

yes

No. and Description of Boilers

Two cyl. Marine

Working Pressure 200 lbs

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

yes

IS A DONKEY BOILER FITTED?

no

If so, is a report now forwarded?

yes

PLANS. Are approved plans forwarded herewith for Shafting

(If not state date of approval)

Main Boilers 4.6.25

Auxiliary Boilers

yes

Donkey Boilers

yes

General Pumping Arrangements

yes

Oil fuel Burning Piping Arrangements

yes

SPARE GEAR. State the articles supplied:—

One pair of bottom end brasses complete with bolts & nuts. Two pairs of cross head brasses complete with bolts & nuts. Two main bearing bolts. One set of coupling bolts. One set of feed and bilge pump valves. One set of Piston spring for each piston. One propeller. One set of pump links complete. Two sets of safety valves springs. One cylinder escape valve and spring. 24 condenser tubes. 24 Boiler tubes. Assorted quantity of bolts and nuts. Iron of various sizes.

The foregoing is a correct description

Manufacturer.



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