

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 11031

Date of writing Report Oct 16th 1922 When handed in at Local Office Oct 16th 1922 Port of Bristol Received at London Office TUE. OCT. 17 1922

No. in Survey held at Sharpness Date, First Survey Aug 22nd Last Survey Sept 26th 1922
 Reg. Book. on the S/S MAID OF ATHENS (Number of Visits 11)

Built at Stettin By whom built Stettin Ironworks Yard No. Tons 1433
 Engines made at B By whom made B Engine No. 5 When built 1906
 Boilers made at B By whom made B Boiler No. 5 when made 5

Registered Horse Power 1024 Owners Bayn & Co Ltd Port belonging to London
 Nom. Horse Power as per Rule 1024 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

ENGINES, &c.—Description of Engines Inverted triple expansion

Dia. of Cylinders 17 1/2 x 27 3/4 x 43 1/2 Length of Stroke 31 1/2 Revs. per minute 3 No. of Cylinders 3 No. of Cranks 3

Dia. of Crank shaft journals as per rule 9.01 as fitted 9 1/2 Dia. of Crank pin 9 1/2 Crank webs Mid. length breadth 14 3/4 Mid. length thickness 6 1/4 Thickness parallel to axis shrunk Thickness around eye-hole shrunk

Diameter of Thrust shaft under collars as per rule 9.01 as fitted 8 1/2 Diameter of Tunnel shaft as per rule 8.5 as fitted 8.4 Diameter of Screw shaft as per rule 9.5 as fitted 10 1/2 Is the Screw shaft fitted with a continuous liner the whole length of the stern tube No 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 Yes 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 Yes

If two liners are fitted, is the shaft lapped or protected between the liners Submarine Ap 11577 Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated Yes Length of Stern Bush 45 Diameter of Propeller 12.0

Pitch of Propeller 10 No. of Blades 4 State whether Moveable No Total Surface square feet

No. of Feed Pumps fitted to the Main Engines 2 Diameter of ditto 2 1/2 Stroke 15 1/2 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 Stroke 15 1/2 Can one be overhauled while the other is at work Yes

Total number and size of power driven Feed and Bilge Auxiliary Pumps one 5 1/2 x 3 1/2 x 5

No. and size of Pumps connected to the Main Bilge Line one 5 1/2 x 3 1/2 x 5

No. and size of Ballast Pumps one 6 x 8 1/2 x 6 No. and size of Lubricating Oil Pumps, including Spare Pump one

Are two independent means arranged for circulating water through the Oil Cooler Yes No. and size of suction connections to both Main Bilge Pumps and Auxiliary Bilge Pumps;—In Engine and Boiler Room 4-2 1/2 and in Holds, &c. 2-2 1/2 in each hold

No. and size of Main Water Circulating Pump Bilge Suctions one 4 1/2 No. and size of Donkey Pump Direct Suctions one 4 1/2

to the Engine Room Bilges one 2 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 Both

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 None

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 Top platform

MAIN BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers 2. S. E.

Is Forced Draft fitted No No. and Description of Boilers 2. S. E. Working Pressure 185 lbs.

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS A DONKEY BOILER FITTED? No If so, is a report now forwarded? No

PLANS. Are approved plans forwarded herewith for Shafting — Main Boilers — Auxiliary Boilers — Donkey Boilers —

General Pumping Arrangements — Oil fuel Burning Piping Arrangements —

SPARE GEAR. State the articles supplied:— Two top end & two bottom end bolts & nuts
Two main bearing bolts. One set of coupling bolts, one set of feed
bilge pump valves, one crank shaft, assorted bolts & nuts & tube
bolts & nuts etc. set of air circulating pump valves

The foregoing is a correct description

Manufacturer.

FRI. 15 DEC. 1922

FRI. SEP. 7 1923

TUE. SEP. 25 1923



