

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY

28 NOV 1923

Received at London Office

Date of writing Report

19

When handed in at Local Office

19

Port of

LIVERPOOL

No. 33 Survey held at

Queensferry

Date, First Survey

4th Sept

Last Survey

3rd Nov 1923

Reg. Book.

on the

SS "CORNISH MERCHANT"

(Number of Visits)

7

Tons

Gross

Net

Built at Queensferry

By whom built I. J. Abдела &amp; Mitchell Ltd.

Yard No. A 63

When built 1923

Engines made at Brimscombe

By whom made I. J. Abдела &amp; Mitchell Ltd.

Engine No. 1447

when made 1923

Boilers made at Birkenhead

By whom made Cammell Laird &amp; Co Ltd.

Boiler No. 2074

when made 1921

Registered Horse Power

Owners Cornish Leaders Ltd.

Port belonging to

Falmouth

Nom. Horse Power as per Rule

80

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

No

## ENGINES, &amp;c.—Description of Engines

Dia. of Cylinders Length of Stroke Revs. per minute No. of Cylinders No. of Cranks

Dia. of Crank shaft journals as per rule as fitted Dia. of Crank pin Crank webs Mid. length breadth If shrunk Thickness parallel to axis Thickness around eye-hole

Diameter of Thrust shaft under collars as per rule as fitted Diameter of Tunnel shaft as per rule as fitted Diameter of Screw shaft as per rule as fitted Is the Screw shaft fitted with a continuous liner the whole length of the stern tube 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 between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive 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

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

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

No. of Bilge Pumps fitted to the Main Engines Diameter of ditto Stroke Can one be overhauled while the other is at work

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 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 5. 1-2 1/2", 1-3" and 3-2" and in Holds, &c. 3. 2-2" power 1-2" hand

No. and size of Main Water Circulating Pump Bilge Suctions 1 - 3" dia

No. and size of Donkey Pump Direct Suctions

to the Engine Room Bilges 1 - 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 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 Fore Peak & Hold port and star suction How are they protected 2 1/2" wood sheathing

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 worked from

## MAIN BOILERS, &amp;c.—(Letter for record S) Total Heating Surface of Boilers

1400 sq feet

Is Forced Draft fitted

No

No. and Description of Boilers

One cylindrical Multitubular

Working Pressure

130 lb

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

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

Auxiliary Boilers

Donkey Boilers

General Pumping Arrangements

Yes

Oil Fuel Burning Piping Arrangements

Yes

## SPARE GEAR.

State the articles supplied:—

2 main bearing bolts and nuts

2 top end bolts and nuts

2 bottom end bolts and nuts

6 coupling bolts and nuts

6 junk ring bolts

assorted bolts and nuts

1 main check valve

1 set feed pump valves

1 set bilge pump valves

3 condenser tubes

2 condenser fanucles

Box of assorted sizes

The foregoing is a correct description,

ISAAC J. ABDELA &amp; MITCHELL, LTD.,

SHIPBUILDING WORKS,

Manufacturer.

QUEEN'S BUILDING,

CHESTER.

FRI. 22 FEB. 1924

TUES. 30 MAR 1924

FRI. 23 APR 1924

TUE. 4 DEC 1923

© 2021

The Register Foundation

6500-2211M



