

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

23 DEC 1931

Date of writing Report

19

When handed in at Local Office

19

Port of

Liverpool

No. in Survey held at
Reg. Book.Saltney, Chester
on the S. S. 'Maria'

Date, First Survey

13/10/31

Last Survey

9/12/ 1931

(Number of Visits

5

Built at

Saltney

By whom built

Messrs. J. Crichton & Co. Ltd. Yard No. 578

Engines made at

Newbury

By whom made

Messrs. Plenty & Sons Ltd. Engine No. 2678

Gross 57.73
Tons Net 1.69

When built

1931

Boilers made at

Cowes & W.

By whom made

J. Samuel White & Co. Boiler No. 5555

when made

1931

Registered Horse Power

57

Owners Rio de Janeiro City Improvement Co.

Port belonging to

Rio de Janeiro

Horse Power as per Rule

57

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

No

Trade for which Vessel is intended

Travelling Services in the Bay of Rio de Janeiro

GINES, &c.—Description of Engines

Vertical Reciprocating

Revs. per minute 180

No. of Cylinders

10 1/2 x 7 1/2 x 27 1/2

Length of Stroke

16"

No. of Cranks

3

Crank shaft, dia. of journals

as per Rule 5 3/8"

Crank pin dia.

5 3/8"

Mid. length breadth

10"

Mid. length thickness

3 7/8"

Thrust shaft, diameter at collars

as per Rule 5 7/8"

Intermediate Shafts, diameter

as per Rule 5 7/8"

Screw Shaft, diameter

as per Rule 5 9/16"

Is the screw shaft fitted with a continuous liner

Yes

Main Shafts, diameter

as per Rule 5 7/8"

Screw Shaft, diameter

as per Rule 5 9/16"

Is the screw shaft fitted with a continuous liner

Yes

Liner Liners, thickness in way of bushes

as per Rule 15/32"

Thickness between bushes

as per Rule 7/16"

Is the after end of the liner made watertight in the

Yes

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

No

Is the space charged with a plastic material insoluble in water and non-corrosive

No

Is an approved Oil Gland or other appliance fitted at the after end of the tube

Yes

Length of Bearing in Stern Bush next to and supporting propeller

22 3/8"

Total Developed Surface

11 sq. feet

Is the after end of the liner made watertight in the

Yes

If so, state type

No

Is an approved Oil Gland or other appliance fitted at the after end of the tube

Yes

Length of Bearing in Stern Bush next to and supporting propeller

22 3/8"

Total Developed Surface

11 sq. feet

Is the after end of the liner made watertight in the

Yes

Is an approved Oil Gland or other appliance fitted at the after end of the tube

Yes

Propeller, dia.

6'-1"

Pitch

6'-0"

No. of Blades

3

Material

Brass

Whether Moveable

Yes

Total Developed Surface

11 sq. feet

Pumps worked from the Main Engines, No.

None

Diameter

Stroke

Can one be overhauled while the other is at work

Yes

Pumps worked from the Main Engines, No.

None

Diameter

Stroke

Can one be overhauled while the other is at work

Yes

No. and size

2-4 1/2 x 3 x 10"

Pumps connected to the

No. and size

One-4 x 4 x 5"

How driven

Steam

Main Bilge Line

How driven

Steam

Lubricating Oil Pumps, including Spare Pump, No. and size

One-4 x 4 x 5"

Independent means arranged for circulating water through the

Oil Cooler

Suctions, connected to both Main Bilge Pumps and Auxiliary

Pumps

In Engine and Boiler Room

Three 2"

In Hold one 2"

In Cabin one 2"

In Hold one 2"

In Cabin one 2"

Water Circulating Pump Direct Bilge Suctions, No. and size

One 4"

Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size

One 2 1/2"

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes

Yes

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 they fitted with Valves or Cocks

Yes

Are the Overboard Discharges above or below the deep water line

Above

Are the Blow Off Cocks fitted with a spigot and brass covering plate

Yes

How are they protected

None required

Have they been tested as per Rule

Yes

Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

Yes

Is the Shaft Tunnel watertight

No Tunnel

Is it fitted with a watertight door

Yes

BOILERS, &c.—(Letter for record S.)

Total Heating Surface of Boilers

900 sq. ft.

No. and Description of Boilers

One water tube

Working Pressure

200 lb. sq. in.

REPORT ON MAIN BOILERS NOW FORWARDED?

Yes

DONKEY BOILER FITTED?

No

If so, is a report now forwarded?

Yes

Are approved plans forwarded herewith for Shafting

Main Boilers

Auxiliary Boilers

Donkey Boilers

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

GEAR. State the articles supplied:—

Two top & two bottom end bolts & nuts, two main bearing

bolts & nuts, one set of coupling bolts, one set of feed & bilge pump valves, Cylinders

packing rings and other items in accordance with spare gear list attached

The foregoing is a correct description,

For & ORIENTON & CO., LTD.

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J. D. Milton
Engineer Surveyor to Lloyd's Register of Shipping

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