

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report

19

When handed in at Local Office

20714 1926. Port of

Received at London Office

13 AUG 1926

No. in Survey held at
Reg. Book.

Newcastle-on-Tyne

Date, First Survey

March

Last Survey

23 July 1926.

38028 on the
87910

steel sc.

ANGLO-PERUVIAN

(Number of Visits)

39

Gross 5530

Net 3563

When built 1926

when made 1926

when made 1926

Built at Sunderland

By whom built

Short Brothers Ltd.

Yard No. 423

Engines made at Newcastle

By whom made Rank Eastern Marine Eng. Co. Ltd. Engine No. 2626

Boilers made at Newcastle

By whom made Rank Eastern Marine Eng. Co. Ltd. Boiler No. 2626

Registered Horse Power

Owners Nitrate Producers S.S. Co. Ltd. (Lawther, Latta & Co. Ltd. Mgrs)

Port belonging to

Nom. Horse Power as per Rule 453

Is Refrigerating Machinery fitted for cargo purposes

No.

Is Electric Light fitted

Yes

Trade for which Vessel is intended

Ocean-going

ENGINES, &c.—Description of Engines Inverted Quadruple Expansion

Dia. of Cylinders 23½" 32½" 47" 68" Length of Stroke 48"

No. of Cylinders 4

Revs. per minute 64

Crank shaft, dia. of journals as per Rule 13.73"

as fitted 13.73"

Crank pin dia. 14½"

Crank webs

Mid. length breadth 24"

No. of Cranks 4

Thickness parallel to axis 8½"

Mid. length thickness 8½"

Thickness around eye-hole 7½"

Intermediate Shafts, diameter as per Rule 13.08"

as fitted 13.08"

Thrust shaft, diameter at collars

as per Rule 13.73"

as fitted 13.73"

Tube Shafts, diameter as per Rule

as fitted

Screw Shaft, diameter as per Rule 14.58"

as fitted 14.58"

Is the

screw

shaft fitted with a continuous liner

Yes

Bronze Liners, thickness in way of bushes as per Rule 3.4"

as fitted 3.4"

Thickness between bushes as per Rule 3.4"

as fitted 3.4"

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 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

No

Length of Bearing in Stern Bush next to and supporting propeller

66"

Propeller, dia. 18'0"

Pitch 18'0"

No. of Blades 4

Material

whether Movable

No.

Total Developed Surface 100 sq. feet

Feed Pumps worked from the Main Engines, No. 2

Diameter 4½"

Stroke 26"

Can one be overhauled while the other is at work

Bilge Pumps worked from the Main Engines, No. 2

Diameter 4½"

Stroke 26"

Can one be overhauled while the other is at work

Feed Pumps

No. and size

Two 7" x 9½" x 2"

Pumps connected to the

No. and size

Two main Engine Rams & Ballast pumps

How driven

Steam

Main Bilge Line

How driven

Steam

Ballast Pumps, No. and size

One 10" x 11" x 10"

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

None

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

Three - 3" dia.

Dry Tank 1-2½"

In Holds, &c. No. 1 Hold 2-2½"

No. 2 Hold 2-3"

No. 3 Hold 2-3"

No. 4 Hold 2-3"

No. 5 Hold 2-2½"

No. 6 Hold 2-2½"

Sunnel well 1-2½"

Main Water Circulating Pump Direct Bilge Suctions, No. and size

One 9"

Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size

One 5"

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 stokehold plates

Yes

Are the Overboard Discharges 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 tankers

Forward Bilge Suctions

How are they protected

wood-cased

What pipes pass through the deep tanks

None

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

MAIN BOILERS, &c.—(Letter for record S)

Total Heating Surface of Boilers

6216 sq. ft.

Is Forced Draft fitted

Yes

No. and Description of Boilers 3 S. & C. Cyl. multi-¹ 100

Working Pressure 220 lbs.

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

Yes

IS A DONKEY BOILER FITTED?

Yes

If so, is a report now forwarded?

Yes

PLANS.

Are approved plans forwarded herewith for Shafting

Main Boilers

Yes

Auxiliary Boilers

Yes

Donkey Boilers

Yes

(If not state date of approval)

Superheaters

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

SPARE GEAR.

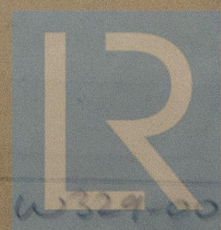
State the articles supplied:— One C.I. Propeller, one Screw Shaft, 2 Top End Bolts & Nuts, 2 Bottom End Bolts & Nuts, 2 Main Bearing Bolt & Nuts, 6 Coupling Bolt & Nuts, one set Feed Pump valves, 2 Bilge pump valves, one set aux. feed pump valves, one set ballast pump valves, 10 Brass Condenser pernoles, 12 piston studs, one set each packing for HP & 1st HP pistons & valves, one set piston & bucket rings for each main engine, set brasses & bolts, eccentric Chap, piston valve, packing for rods of fan engine & centrifugal pump & fan engine, one crank shaft for fan engine, set of six Thrust pads, Assorted Bolt, Nuts, Bars & plates.

The foregoing is a correct description.

THE NORTH EASTERN MARINE ENGINEERING CO. LTD.

Secretary.

Manufacturer.



© 2020

Lloyd's Register
Foundation

