

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 31972

Date of writing Report

19

When handed in at Local Office

20 NOV. 1936

Port of

Received at London Office

5 DEC 1936

No. in Survey held at

Sunderland.

Date, First Survey

23rd Apr

Last Survey

18 Nov 1936

Reg. Book

on the Steel Screw Steamer "LANASHE"

(Number of Visits 47)

Built at

Sunderland

By whom built

Bartram & Sons Ld.

Yard No.

243.

Tons

Gross 4836

Net 2911

When built

1936.

Engines made at

Newcastle on Tyne

By whom made

White, Mansing, & Co. Ld.

Engine No.

60.

When made

1936.

Boilers made at

Sunderland

By whom made

G. Black (1936) Ld.

Boiler No.

1200

When made

1936.

Registered Horse Power

Owners

Clarina Radcliffe Steam Ship Co. Ld.

Port belonging to

London.

Nom. Horse Power as per Rule

348.

Is Refrigerating Machinery fitted for cargo purposes

no.

Is Electric Light fitted

Yes.

Trade for which Vessel is intended

ENGINES, &c.—Description of Engines

Please see NWC Rpt. 94262.

Prop. Revs. per minute 61

Dia. of Cylinders

Length of Stroke

No. of Cylinders

No. of Cranks

Crank shaft, d.a. of journals

as per Rule

Crank pin dia.

Crank webs

Mid. length breadth

Thickness parallel to axis

Intermediate Shafts, diameter

as fitted

12"

Mid. length thickness

Thickness around eye-hole

Tube Shafts, diameter

as per Rule

12"

Thrust shaft, diameter at collars

as fitted

13 1/4"

Screw Shaft, diameter

as fitted

2 3/32"

Is the shaft fitted with a continuous liner

Yes.

Bronze Liners, thickness in way of bushes

as per Rule

3/4"

Thickness between bushes

as per Rule

2 3/32"

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

one length.

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

Yes.

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

shaft

No.

If so, state type

Variable

Propeller, dia.

18'-0"

Pitch

19'-9"

No. of Blades

4

Material

Bronze

Whether Movable

No.

Total Developed Surface

106 sq. feet

Feed Pumps worked from the Main Engines, No.

none

Diameter

Stroke

Can one be overhauled while the other is at work

Bilge Pumps worked from the Main Engines, No.

none

Diameter

Stroke

Can one be overhauled while the other is at work

Feed Pumps

No. and size

2 @ 6" x 8 1/2" x 18"

How driven

Steam

Pumps connected to the

Main Bilge Line

No. and size

2 @ 10" x 12" x 12"

How driven

Steam

1 @ 6" x 6" x 6"

Ballast Pumps, No. and size

2 @ 10" x 12" x 12"

How driven

Steam

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

2 @ 6" x 5 1/2" x 15"

Are two independent means arranged for circulating water through the Oil Cooler

Yes.

Suctions, connected to both Main Bilge Pumps and Auxiliary

Bilge Pumps;—In Engine and Boiler Room

3 @ 3" E.R.

In Holds, &c.

Forehold 3 1/2" φ r.s.

Fore main hold 3 1/2" φ r.s.

In Pump Room

Fore bunker 2" φ r.s.

Aft main hold 3" φ r.s.

Aft hold 3" φ r.s.

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

2 @ 4 1/2"

Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size

2 @ 4 1/2"

Are all the Bilge Suction Pipes in holds and turn l 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

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 pass through the bunkers

Forward Bilge Suctions.

How are they protected

Wood Casing.

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

E.R. Life

Grating.

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

Total Heating Surface of Boilers

4837 1/2 sq. ft. (3540 of main & 1297 of aux.)

Is Forced Draft fitted

Yes (on main)

No. and Description of Boilers

2 S.B. & 1 aux. S.B.

Working Pressure

230 lbs/sq. in.

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

Yes.

IS AN AUXILIARY BOILER FITTED?

Yes.

If so, is a report now forwarded?

Yes.

Is the donkey boiler intended to be used for domestic purposes only

PLANS.

Are approved plans forwarded herewith for Shafting

NWC.

Main Boilers

Retained for

Auxiliary Boilers

Retained for

Donkey Boilers

Retained for

Retained for

Superheaters

(Manchester)

General Pumping Arrangements

Retained for

Retained for

Oil fuel Burning Piping Arrangements

Retained for

Retained for

Retained for

Retained for

Retained for

SPARE GEAR.

Has the spare gear required by the Rules been supplied

Yes.

State the principal additional spare gear supplied

Please see NWC Rpt. N° 94262.

One Cast iron Propeller, one propeller Shaft, 4 main Check Valve
 lids, 4 auxiliary Check valve lids, 12 Condenser tubes, 6 plain boiler tubes,
 1 set valves for Suct. & Del. Chest of ballast pump, 2 main boiler Safety
 Valve Springs, one Superheater Safety Valve Spring, one top & one bottom
 end bearings & shells for fan engine.

The foregoing is a correct description,

FOR GEORGE CLARK (1936) LTD.

G. Clark

Manufacturer.



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