

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

-8 DEC 1926

Date of writing Report

19

When handed in at Local Office

6-12

1926

Port of

Glasgow.

No. in Survey held at

Renfrew

Date, First Survey

13th Nov 1925

Last Survey

5th Nov 1926

1926

Reg. Book.

on the *Steel Twin Screw Suction Dredger "Vizagapatam"*

(Number of Visits 69)

Gross

2682275

Built at

Renfrew

By whom built

W. Simons &amp; Co. Ltd.

Yard No.

680

When built

1926

Engines made at

Renfrew

By whom made

W. Simons &amp; Co. Ltd.

Engine No.

680

when made

1926

Boilers made at

Renfrew

By whom made

W. Simons &amp; Co. Ltd.

Boiler No.

680

when made

1926

Registered Horse Power

Owners

Port belonging to

Glasgow

Nom. Horse Power as per Rule

500 ✓

Is Refrigerating Machinery fitted for cargo purposes

no ✓

Is Electric Light fitted

yes ✓

Trade for which Vessel is intended

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

Twin Screw Triple Exp (4 sets) ✓

Revs. per minute

180 ✓

Dia. of Cylinders

12"-19"-32" ✓

Length of Stroke

22" ✓

No. of Cylinders

12 ✓

No. of Cranks

12 ✓

Crank shaft, dia. of journals

as per Rule

8" ✓

as fitted

8" ✓

Crank webs

Mid. length breadth

14 1/2" ✓

shrunk

Thickness parallel to axis

5" ✓

Intermediate Shafts, diameter

as per Rule

7 1/2" ✓

as fitted

7 1/2" ✓

Thrust shaft, diameter at collars

as per Rule

8" ✓

as fitted

8" ✓

Tube Shafts, diameter

as per Rule

8 1/2" ✓

as fitted

8 1/2" ✓

Screw Shaft, diameter

as per Rule

8 1/2" ✓

as fitted

8 1/2" ✓

Is the tube

shaft fitted with a continuous liner

no ✓

Bronze Liners, thickness in way of bushes

as per Rule

as fitted

Thickness between bushes

as per Rule

as fitted

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

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 ✓

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

end of the tube shaft

yes ✓

Propeller, dia.

8'-3" ✓

Pitch

7'-6" ✓

No. of Blades

4 ✓

Material

C.C. ✓

whether Moveable

no ✓

Total Developed Surface

34 ✓

sq. feet

Feed Pumps worked from the Main Engines, No.

none ✓

Diameter

Stroke

Can one be overhauled while the other is at work

yes ✓

Bilge Pumps worked from the Main Engines, No.

none ✓

Diameter

Stroke

Can one be overhauled while the other is at work

yes ✓

Feed Pumps

No. and size

2 off 10 1/2" x 8" x 22" ✓

How driven

Steam ✓

Pumps connected to the

Main Bilge Line

No. and size

2 off 6" x 5" x 9" ✓

How driven

Steam ✓

Ballast Pumps, No. and size

none ✓

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

none ✓

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

yes ✓

Bilge Pumps, In Engine and Boiler Room

4-3" E.R. ✓

5-3" B.R. ✓

In Holds, &amp;c.

2-2 1/4" ✓

Hopper wings

2-2 1/4" ✓

for

2-2 1/4" ✓

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

1-11" ✓

Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size

1-4" ✓

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

Rock ✓

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

yes ✓

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

yes ✓

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

none ✓

Is it fitted with a watertight door

yes ✓

worked from

yes ✓

MAIN BOILERS, &amp;c.—(Letter for record

8 ✓)

Total Heating Surface of Boilers

94000 ✓

Is Forced Draft fitted

yes ✓

No. and Description of Boilers

4-tubular ✓

Working Pressure

180 ✓

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

yes ✓

IS A DONKEY BOILER FITTED?

no ✓

If so, is a report now forwarded?

yes ✓

PLANS.

Are approved plans forwarded herewith for Shafting

yes ✓

Main Boilers

yes ✓

Auxiliary Boilers

none ✓

Donkey Boilers

none ✓

Superheaters

none ✓

General Pumping Arrangements

yes ✓

Oil fuel Burning Piping Arrangements

none ✓

SPARE GEAR. State the articles supplied:—

as per Rules, and in addition one screw shaft, 2 propellers, etc. ✓

The foregoing is a correct description,

FOR WM. SIMONS &amp; CO., LTD.

Jas McEldowney

Manufacturer.



© 2021

Lloyd's Register Foundation

011368-011377-0091



1925 Nov. 13-18-24 Dec 2-16-18-23 (1926) Jan 13-15-26-29 Feb 3-10-16-19-24-26 Mar 2-5-9-30 Apr 9-13-15  
During progress of work in shops - -  
20-28 May 11-14-18-21-26-28 June 1-7-15-18-23-29 July 6-14-18-30 Aug 3-7-10-13-14-20-24-31 Sep 2-6-8-10-14  
21-23-24-29 Oct 1-5-7-13-15-18-20-30 Nov 5  
Dates of Survey while building  
During erection on board vessel - - -  
Total No. of visits 69

Dates of Examination of principal parts—Cylinders 24-2-26 Slides 18-5-26 Covers 18-5-26  
Pistons 18-5-26 Piston Rods 5-3-26 Connecting rods 5-3-26  
Crank shaft 13-10-25 Thrust shaft 5-3-26 Intermediate shafts 15-4-26  
Tube shaft 15-4-26 Screw shaft 15-4-26, 7-8-26 Propeller 7-8-26  
Stern tube 30-7-26 Engine and boiler seatings 13-4-26 Engines holding down bolts 30-7-26  
Completion of pumping arrangements 20-10-26 Boilers fixed 21-5-26 Engines tried under steam 30-10-26  
Main boiler safety valves adjusted 20-10-26 Thickness of adjusting washers FOR BLR. S.V. 5/16 P.V. 1/32 CENT BLR 3/8, 3/8  
PORT " F.V. 3/8 A.V. 1/32 STAR " 3/8, 3/8  
Crank shaft material S Identification Mark 1360 A.F. Thrust shaft material S Identification Mark 1326, 1327  
Intermediate shafts, material S Identification Marks 1148, 1194, 1196 Tube shaft, material S Identification Mark see S. S.  
Screw shaft, material S Identification Mark 1174, 1175 Steam Pipes, material S Test pressure 540 Date of Test 6-7-26  
Is an installation fitted for burning oil fuel no Is the flash point of the oil to be used over 150° F. ✓

Have the requirements of the Rules for carrying and burning oil fuel been complied with

Is this machinery duplicate of a previous case no If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c.) These Engines and Boilers have been built under special survey, in accordance with the approved plans, and the Society's Rules and requirements, the materials, and workmanship are good, they have been securely fitted on board, and satisfactorily tried under steam, and in my opinion are eligible for the record + L. M. C. 11-26.

It is submitted that  
this vessel is eligible for  
THE RECORD. + LMC 11.26. FD. OG.

The amount of Entry Fee ... £ 6 : - : When applied for,  
Special ... £ 100 : - : 6/12/26  
Donkey Boiler Fee ... £ 2 : :  
Travelling Expenses (if any) £ 1 : : 11.12.26

Committee's Minute GLASGOW 7-DEC 1926

Assigned + L.M.C. 11.26.

Jas. Cairns,  
Engineer Surveyor to Lloyd's Register of Shipping.

CERTIFICATE WRITTEN  
8/12/26

© 2021  
Lloyd's Register  
Foundation