

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

20 SEP 1933

Date of writing Report

19

When handed in at Local Office

19 SEP 1933

Port of

No. in Survey held at  
Reg. Book.

Hull

Date, First Survey

20<sup>th</sup> near

Last Survey

12<sup>th</sup> Sep 1933

(Number of Voids)

27

Gross 396

Net 153

When built 1933

Built at

Selly.

By whom built

Cochrane &amp; Sons Ltd

Yard No.

1115

When made

1933

Engines made at

Hull

By whom made

Amos &amp; Smith Ltd

Engine No.

632

When made

1933

Boilers made at

Hull

By whom made

do

Boiler No.

632

When made

1933

Registered Horse Power

Owners

Pickering &amp; Sons Ltd

Port belonging to

Hull

Nom. Horse Power as per Rule

101

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

Yes

Trade for which Vessel is intended

Fishing

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

Triple Expansion

Revs. per minute

Dia. of Cylinders

13" 22 3/4" 34"

Length of Stroke

26"

No. of Cylinders

3

No. of Cranks

3

Crank shaft, dia. of journals

as per Rule 7 1/2"

Crank pin dia.

4 1/2"

Crank webs

Mid. length breadth

14 3/4"

Thrust shaft, diameter at collars

as per Rule 7 1/2"

as fitted 7 1/2"

Intermediate Shafts, diameter

as per Rule 7 1/2"

as fitted 7 1/2"

Screw Shaft, diameter

as per Rule 8 1/2"

as fitted 8 1/2"

Is the lube

shaft fitted with a continuous liner

Yes

Tube Shafts, diameter

as per Rule 7 1/2"

as fitted 7 1/2"

Screw Shaft, diameter

as per Rule 8 1/2"

as fitted 8 1/2"

Is the lube

shaft fitted with a continuous liner

Yes

Bronze Liners, thickness in way of bushes

as per Rule 9/16"

as fitted 9/16"

Thickness between bushes

as per Rule 9/16"

as fitted 9/16"

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

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

Yes

If so, state type

Yes

Length of Bearing in Stern Bush next to and supporting propeller

36"

Propeller, dia.

10'-3"

Pitch

11'-0"

No. of Blades

4

Material

Cast

whether Movable

No

Total Developed Surface

38 sq. feet

Feed Pumps worked from the Main Engines, No.

one

Diameter

2 7/8"

Stroke

13"

Can one be overhauled while the other is at work

Yes

Bilge Pumps worked from the Main Engines, No.

one

Diameter

2 7/8"

Stroke

13"

Can one be overhauled while the other is at work

Yes

Feed Pumps

No. and size

one 6 1/2" x 4 3/4" x 6"

Pumps connected to the Main Bilge Line

No. and size

one 6 1/2" x 4 3/4" x 6"

How driven

Steam

one gear

Ballast Pumps, No. and size

one

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

one

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

2 @ 2"

In Pump Room

In Holds, &amp;c.

3 @ 2"

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

one @ 3"

Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size

one 2"

Ejector

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

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 Suctions

How are they protected

Wood casings

Have they been tested as per Rule

Yes

What pipes pass through the deep tanks

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

Yes

Yes

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

Total Heating Surface of Boilers

1804 sq. ft.

Is Forced Draft fitted

No

No. and Description of Boilers

one single ended

Working Pressure

210 Lbs.

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

Yes

IS A DONKEY BOILER FITTED?

No

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

(If not state date of approval)

Main Boilers

Yes

Auxiliary Boilers

Yes

Donkey Boilers

Yes

Superheaters

General Pumping Arrangements

Yes

Oil fuel Burning Piping Arrangements

Yes

## SPARE GEAR.

Has the spare gear required by the Rules been supplied

Yes

State the principal additional spare gear supplied

Set of air pump valves. Safety valve spring. Main &amp; donkey check valves &amp; seats. Feed pump plungers. Circ. pump impeller and shaft.

The foregoing is a correct description,

FOR AMOS &amp; SMITH LTD.

A. R. Kewney

Manufacturer.

MANAGER.



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Lloyd's Register  
Foundation

003698-003705-0033



During progress of work in shops - - Mar. 20. 28. 30. Apr. 3. 7. 13. 19. 25. May. 1. 9. 15. 22. 26. 30. June 8. 13. 23. 28. 30. July 5. 7. 12.  
During erection on board vessel - - Sep. 4. 5. 6. 8. 12.  
Total No. of visits 27.

Dates of Examination of principal parts—Cylinders 13. 6. 33 Slides 23. 6. 33 Covers 13. 6. 33  
Pistons 23. 6. 33 Piston Rods 13. 6. 33 Connecting rods 13. 6. 33  
Crank shaft 23. 6. 33 Thrust shaft 1. 5. 33 Intermediate shafts 1. 5. 33  
Tube shaft 1. 5. 33 Screw shaft 1. 5. 33 Propeller 28. 6. 33  
Stern tube 28. 6. 33 Engine and boiler seatings 6. 9. 33 Engines holding down bolts 6. 9. 33  
Completion of fitting sea connections 5. 4. 33  
Completion of pumping arrangements 8. 9. 33 Boilers fixed 6. 9. 33 Engines tried under steam 8. 9. 33  
Main boiler safety valves adjusted 8. 9. 33 Thickness of adjusting washers 4 1/2 P. & S.  
Crank shaft material Steel Identification Mark Lloyd 711 Thrust shaft material Steel Identification Mark Lloyd 711  
Intermediate shafts, material Steel Identification Marks Lloyd 711 Tube shaft, material Steel Identification Mark  
Screw shaft, material Steel Identification Mark Lloyd 711 Steam Pipes, material S.S. Steel Test pressure 630 lbs. Date of Test 6. 9. 33  
Is an installation fitted for burning oil fuel. Is the flash point of the oil to be used over 150°F.  
Have the requirements of the Rules for the use of oil as fuel been complied with.  
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo. If so, have the requirements of the Rules been complied with.  
If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with.  
Is this machinery duplicate of a previous case. Yes. If so, state name of vessel Bay flower 45901.

General Remarks (State quality of workmanship, opinions as to class, &c.)  
The machinery of this vessel has been built under special survey & the materials & workmanship are sound & good. It has been satisfactorily fitted on board, tried under steam & found in good order.  
It is my opinion to have record of F.L.M.C. 9.33 C.L.

Handwritten notes and signatures in the lower section of the form, including "John A. Shackirdy" and "Engineer Surveyor to Lloyd's Register of Shipping."

The amount of Entry Fee ... £ 3 : :  
Special ... £ 25 : 5 :  
Donkey Boiler Fee ... £ : :  
Travelling Expenses (if any) £ : :  
When applied for, 19 SEP 1933  
When received, 22.9.19.33

Committee's Minute FRI. 22 SEP 1933  
Assigned + L.M.C. 9.33 C.L.