

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

29 NOV 1935

28 NOV 1935

Port of

Date of writing Report

19

When handed in at Local Office

No. in Survey held at
Reg. Book.

Hull.

Date, First Survey 11th Sept 1935. Last Survey 18th Nov. 1935

(Number of Visits 22.)

Gross

Tons

Net

on the Steam Trawler "Cape Corrientes"

Built at Selby.

By whom built

Cochrane & Sons Ltd.

Yard No.

1146

When built

1935

Engines made at

Hull

By whom made

C.D. Holmes & Co Ltd.

Engine No.

1484

When made

1935

Boilers made at

do

By whom made

do

Boiler No.

1484

When made

1935

Registered Horse Power

Owners

Charleson Steam Fishing Co Ltd.

Port belonging to

Hull

Nom. Horse Power as per Rule

105

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

Yes

Trade for which Vessel is intended

Fishing

ENGINES, &c.—Description of Engines Triple Expansion.

Revs. per minute 110

Dia. of Cylinders 13 1/2", 23", 43 1/2"

Length of Stroke 26"

No. of Cylinders 3

No. of Cranks 3

Crank shaft, dia. of journals

as per Rule 7.4"

as fitted 7 1/2"

Crank pin dia. 7 1/2"

Crank webs

Mid. length breadth 1 1/4"

shrunk

Thickness parallel to axis 4 7/8"

Thickness around eye-hole 3 3/8"

Intermediate Shafts, diameter

as per Rule 7.05"

as fitted 7 1/2"

Thrust shaft, diameter at collars

as per Rule 7.4"

as fitted 7 1/2"

Tube Shafts, diameter

as per Rule

as fitted

Screw Shaft, diameter

as per Rule 7.9"

as fitted 8 1/2"

Is the

Tube

screw

shaft fitted with a continuous liner

Yes

Bronze Liners, thickness in way of bushes

as per Rule

as fitted 7/16"

Thickness between bushes

as per Rule

as fitted 3/8"

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

Propeller, dia. 10'-3" Pitch 10'-6"

No. of Blades 4

Material C.I.

whether Moveable

No

Total Developed Surface 37 sq. feet

Feed Pumps worked from the Main Engines, No. 1

Diameter 2 3/4"

Stroke 14 3/4"

Can one be overhauled while the other is at work

Yes

Bilge Pumps worked from the Main Engines, No. 1

Diameter 2 3/4"

Stroke 14 3/4"

Can one be overhauled while the other is at work

Yes

Feed

No. and size One 6 x 3 1/2 x 6"

Pumps connected to the

Main Bilge Line

No. and size One 6 x 4 1/4 x 6" & one 3" ejector

How driven

Steam

Ballast Pumps, No. and size

Two 2' dia.

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

Two 2' dia.

Suctions, connected to both Main Bilge Pumps and Auxiliary

In Holds, etc. Five 2' dia.

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

Yes

Bilge Pumps;—In Engine and Boiler Room

Two 2' dia.

In Pump Room

Yes

Main Water Circulating Pump Direct Bilge Suctions, No. and size One 3 1/2"

Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size One 3" 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

Yes

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

What pipes pass through the deep tanks

Yes

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 1940 sq. ft.

Is Forced Draft fitted

No

No. and Description of Boilers One Single-ended

Working Pressure 200 lbs. sq. in.

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

Yes

PLANS.

Are approved plans forwarded herewith for Shafting

No

Main Boilers

Yes

Auxiliary Boilers

Yes

Donkey Boilers

Yes

Superheaters

Yes

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

Main & aux. feed check valves. Spare set of valves for aux. feed & donkey pumps. Spare length of feed pipe & bottom w.g. pipe. Feed pump plunger.

main engine ecc. straps. Centrifugal pump impeller shaft. 2 top & 2 bottom bolts for centrifugal pump engine.

The foregoing is a correct description,
For CHARLES D. HOLMES & CO., LTD.

Manufacturer.



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Lloyd's Register
Foundation

W1142-0210

Sept 11th 13th 17th 19th 24th 30th Oct 10th 11th 14th 17th 18th 21st 28th 30th
During progress of work in shops -- Nov. 4th 1935
Dates of Survey while building During erection on board vessel --- Nov. 8th 11th 13th 14th 15th 18th 1935
Total No. of visits 22

Dates of Examination of principal parts—Cylinders 14th 17/10/35 Slides 28/10/35 Covers 14/10/35
Pistons 17/10/35 Piston Rods 28/10/35 Connecting rods 17/10/35
Crank shaft 14/10/35 Thrust shaft 14/10/35 Intermediate shafts 24/9/35
Tube shaft ✓ Screw shaft 17th 19/9/35 Propeller 24/9/35
Stern tube 24/9/35 Engine and boiler seatings 4/10/35 + 8/11/35 Engines holding down bolts 8/11/35
Completion of fitting sea connections 11/10/35
Completion of pumping arrangements 18/11/35 Boilers fixed 8/11/35 Engines tried under steam 18/11/35
Main boiler safety valves adjusted 18/11/35 Thickness of adjusting washers F $\frac{1}{32}$ " A $\frac{5}{16}$ "
Crank shaft material Steel Identification Mark 984 Thrust shaft material Steel Identification Mark 984
Intermediate shafts, material Steel Identification Marks 984 Tube shaft, material — Identification Mark —
Screw shaft, material Steel Identification Mark 984 Steam Pipes, material S.D. Steel Test pressure 600 $\frac{lb}{sq}$ Date of Test 15/11/35
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 No If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c. The machinery of this vessel has been constructed under special survey in accordance with the approved plans, the materials and workmanship being sound and good. It has been satisfactorily fitted on board, tried under steam, and found good. It is eligible, in my opinion, to have record + LMC 11.35.T.S(EL)

The amount of Entry Fee ... £ 3 : - : When applied for,
Special ... £ 26 : 5 : 28 NOV 1935
Donkey Boiler Fee ... £ : : When received,
Travelling Expenses (if any) £ 3 : 12 : 19 35 4/12

A.W.B. Edwards.
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 3 DEC 1935

Assigned

+ LMC 11.35 (C.L.)



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