

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

9 SEP 1948

Received at London Office

11 SEP 1948

Date of writing Report

19

When handed in at Local Office

19

Port of

HULL.

No. in Survey held at
Reg. Book.

Beverley & Hull.

Date, First Survey

18. 2. 48

Last Survey

19. 8. 1948

(Number of Visits 32.)

73656 on the Steam Trawler "ST. CHAD".

Built at Beverley

By whom built Cook, Welton & Gemmell Ltd.

Yard No. 794

Tons { Gross 689.
Net 249

Engines made at Hull

By whom made C. D. Holmes & Co., Ltd.

Engine No. 1763

When built 1948

Boilers made at -do-

By whom made -do-

Boiler No. 1763

When made -do-

Registered Horse Power -

Owners Saint Andrew's Steam Fishing Co., Ltd.

Port belonging to Hull

Is Refrigerating Machinery fitted for cargo purposes small

Is Electric Light fitted machine to reduce temp. of fish room. Yes

Trade for which Vessel is intended Ocean-going trawler.

ENGINES, &c.—Description of Engines Steam reciprocating. Triple expansion.

Dia. of Cylinders 15-25-42"

Length of Stroke 27"

No. of Cylinders 3

Revs. per minute 130

Crank shaft, dia. of journals as per Rule approd. 8 1/2"

Crank pin dia. 8 1/2"

Crank webs Mid. length breadth 16 1/2"

No. of Cranks 3

Intermediate Shafts, diameter as per Rule approd. 8 1/2"

as fitted 8 1/2"

Thrust shaft, diameter at collars as per Rule approd. 8 1/2"

as fitted 8 1/2"

Tube Shafts, diameter as per Rule -

as fitted -

Screw Shaft, diameter as per Rule approd. 9"

as fitted 9"

Bronze Liners, thickness in way of bushes as per Rule approd. 5/8"

as fitted 5/8"

Is the (taper) shaft fitted with a continuous liner? Yes

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

fit

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

If so, state type

Length of Bearing in Stern Bush next to and supporting propeller 41 1/2"

Propeller, dia. 11' 0"

No. of Blades 4

Material M.B. whether Moveable No

Feed Pumps worked from the Main Engines, No. 2

Diameter 2 1/2" Stroke 16"

Total Developed Surface 40.2 sq. feet

Bilge Pumps worked from the Main Engines, No. 2

Diameter 2 1/2" Stroke 16"

Can one be overhauled while the other is at work Yes

Feed Pumps { No. and size 2-2 1/2" x 16", 1-7 x 5 x 6 Duplex

How driven M.E. Steam

Can one be overhauled while the other is at work Yes

Ballast Pumps, No. and size as above

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

No. and size 2-2 1/2" x 16"

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 2" aft cofferdam, 2" B.R. bilge, 2" F.E.R., 2" A.E.R.

In Holds, &c. 2" each to ford hold, fishroom, slushwell & forward cofferdam.

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1 @ 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 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

That Pipes pass through the bunkers

How are they protected

That pipes pass through the deep tanks

Have they been tested as per Rule

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

part of ERs it fitted with a watertight door

11N BOILERS, &c.—(Letter for record S)

Total Heating Surface of Boilers 2831 sq.ft. + 1140 sq.ft. = 3971 sq.ft.

Which Boilers are fitted with Forced Draft

Sole Boiler

and Description of Boilers 1 - S.E. multitubular

Which Boilers are fitted with Superheaters

S A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

Working Pressure 225 lb/sq.in.

S A DONKEY BOILER FITTED? No

If so, is a report now forwarded?

Are approved plans forwarded herewith for Shafting 8.1.48.

Main Boilers 16.10.47

General Pumping Arrangements 12.9.48.

Auxiliary Boilers -

Oil fuel Burning Piping Arrangements 25.2.48.

Donkey Boilers -

SPARE GEAR.

Yes

the spare gear required by the Rules been supplied

No major items.

the principal additional spare gear supplied

The foregoing is a correct description.

Manufacturer.

© 2021

Lloyd's Register

Foundation

012678-012685-0113

1948. Feb. 18. Mar. 2. 9. 30, Apr. 23. 24. 24, May 4. 5. 6. 7. 10. 19. 21. 25, June 3. 4. 15, 24. 28
During progress of work in shops - -
July 16, 22. Aug 6, 10, 12. 13.
1948. June 29. July 1, 8, Aug 11, 17, 19.
During erection on board vessel - - -
Total No. of visits 32.

Dates of Examination of principal parts—Cylinders 6.5.48, 5.5.48, 10.5.48, 25.5.48. Slides 25.5.48. Covers 25.5.48.
Pistons 25.5.48. Piston Rods 25.5.48. Connecting rods 15.6.48.
Crank shaft 21.5.48. Thrust shaft 9.3.48. Intermediate shafts 24.6.48.
Tube shaft - Screw shaft 30.3.48. Propeller 24.4.48.
Stern tube 21.4.48. Engine and boiler seatings 29.6.48. Engines holding down bolts 8.7.48.
Completion of fitting sea connections 24.4.48.
Completion of pumping arrangements 19.8.48. Boilers fixed 17.8.48. Engines tried under steam 23.8.48.
Main boiler safety valves adjusted 19.8.48. Thickness of adjusting washers P. 3/8", S. 7/16", Spt. 1/4"
Crank shaft material SM Steel Identification Mark LLOYD'S 421/2, 1268 DAC 21.5.48. Thrust shaft material SM STL. Identification Mark LLOYD'S 423 CP 22.8.48.
Intermediate shafts, material -do- LLOYD'S 420 CP 11.9.47 Identification Marks NS 24.6.48. Tube shaft, material - Identification Mark -
Screw shaft, material -do- Identification Mark LLOYD'S 419 CP 22.8.47. Steam Pipes, material Steel Test pressure 675 lb. Date of Test 12.8.48.
Is an installation fitted for burning oil fuel Yes ✓ Is the flash point of the oil to be used over 150°F. ✓ Yes
Have the requirements of the Rules for the use of oil as fuel been complied with Yes ✓
Is the vessel (not being an oil tanker) fitted for carrying oil as cargo No ✓ 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 and installed under Special Survey in accordance with the Secretary's letters, approved plans and the Rules.

The materials and workmanship are good.

On completion the main and auxiliary machinery was examined under working conditions and found in order.

The machinery is eligible in my opinion to have the Notation:-

4 L.M.C. 8,48 C.L. 3 cyl. 15", 25", 42" - 27".

225 lb/sq.in. 1 S.B. (spt.)

3 cf. H.S. 3971 sq.ft. F.D.

Fitted for oil fuel 8,48 F.P. above 150°F.

The amount of Entry Fee ... £ 69 ✓
Special ... £ : :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for 9 SEP 1948
When received, 19

M. Chambers.
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

+ LMC 8,48

FITTED FOR OIL FUEL 8,48 FLASH POINT ABOVE 100°F.

F.D. C.L. 15B 225 lb Spt.



© 2021

Lloyd's Register
Foundation