

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

24 DEC 1929

Date of writing Report 23.12.29 When handed in at Local Office 23 Dec 29 Port of HULL
 No. in Survey held at Hull Date, First Survey 31 July Last Survey 13 Dec 1929
 Reg. Book. 0707 on the Steam Trawler - CAPE MELVILLE (Number of Visits 8)
 Built at Selly By whom built Cochrane & Sons Ltd Yard No. 1064 Tons { Gross 342.99
 Engines made at Hull By whom made Charles & Holmes & Co Ltd Engine No. 1379 Net 135.94
 When built 1929
 Boilers made at Hull By whom made do Boiler No. 1379 when made 1929
 Registered Horse Power 111 Owners Hudson & Son Fishing Co Ltd Port belonging to Hull
 m. Horse Power as per Rule 96 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
 made for which Vessel is intended Fishing.

GINES, &c.—Description of Engines Triple Expansion Revs. per minute 3
 No. of Cylinders 3 Length of Stroke 26 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 4 1/2 Crank pin dia. 4 1/2 Crank webs Mid. length breadth 4 1/2 Thickness parallel to axis 4 1/2
 as fitted 4 1/2 Mid. length thickness 4 1/2 Thickness around eye-hole 3 1/2
 Intermediate Shafts, diameter as per Rule 7 1/2 Thrust shaft, diameter at collars as per Rule 7 1/2
 as fitted 7 1/2 as fitted 7 1/2
 Main Shafts, diameter as per Rule 8 1/2 Screw Shaft, diameter as per Rule 8 1/2 Is the { tube } shaft fitted with a continuous liner { yes
 as fitted 8 1/2 as fitted 8 1/2 { screw }
 Liners, thickness in way of bushes as per Rule 7/16 Thickness between bushes as per Rule 3/8 Is the after end of the liner made watertight in the
 as fitted 7/16 as fitted 3/8 yes
 If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner yes
 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
 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
 of the tube shaft yes Length of Bearing in Stern Bush next to and supporting propeller 36
 Propeller, dia. 9' 10 1/2" Pitch 10' 10 1/2" No. of Blades 4 Material CS whether Moveable no Total Developed Surface 34.75 sq. feet
 Main Engines, No. one Diameter 23 1/4" Stroke 14 3/4" Can one be overhauled while the other is at work yes
 Main Engines, No. one Diameter 23 1/4" Stroke 14 3/4" Can one be overhauled while the other is at work yes
 No. and size 6 x 3 1/2 x 6 Pumps connected to the { No. and size 6 x 4 1/2 x 6 }
 How driven Steam Main Bilge Line { How driven Steam }
 Last Pumps, No. and size 2 @ 2" Lubricating Oil Pumps, including Spare Pump, No. and size 5 @ 2"
 two independent means arranged for circulating water through the Oil Cooler yes Suctions, connected to both Main Bilge Pumps and Auxiliary
 Pumps, In Engine and Boiler Room yes
 Tolds, &c. yes

Water Circulating Pump Direct Bilge Suctions, No. and size one 3 1/2" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 and size one 3 1/2" Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes yes
 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
 all Sea Connections fitted direct on the skin of the ship yes Are they fitted with Valves or Cocks both
 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
 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
 Pipes pass through the bunkers yes How are they protected wood casing
 pipes pass through the deep tanks yes Have they been tested as per Rule yes
 all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes
 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
 rtment to another yes Is the Shaft Tunnel watertight yes Is it fitted with a watertight door yes worked from yes

MAIN BOILERS, &c.—(Letter for record (S)) Total Heating Surface of Boilers 1698 sq. ft.
 forced Draft fitted no No. and Description of Boilers one single ended Working Pressure 200 lbs

A REPORT ON MAIN BOILERS NOW FORWARDED? yesA DONKEY BOILER FITTED? noIf so, is a report now forwarded? yes

PLANS. Are approved plans forwarded herewith for Shafting yes Main Boilers yes Auxiliary Boilers yes Donkey Boilers yes
 (If not state date of approval)

General Pumping Arrangements yes Oil fuel Burning Piping Arrangements yes

RE GEAR. State the articles supplied:— 2 Bolts & nuts for top ends, bottom ends and
in bearings. Set of coupling bolts & nuts. Air, fuel and
of pump valves & main & donkey check valves. Safety
of spring. Feed pump pump. Impeller shaft.
Bolts & iron fractions sizes.

The foregoing is a correct description,

For CHARLES D. HOLMES & CO., LTD.

Manufacturer.



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Lloyd's Register
Foundation

002165-002173-0065

Dates of Survey while building
During progress of work in shops - - -
During erection on board vessel - - -
Total No. of visits 18.

1929. July 31. Aug 7. Sept 13. 20. 19 Oct 7. 17. 25. Nov 4. 6. 11. 20. 22.
Dec. 5th. 10. 13.

Date of writing Report
No. in Survey held
Reg. Book.
10407 on the

Dates of Examination of principal parts—Cylinders 6. 11. 29 Slides 20. 11. 29 Covers 6. 11. 29
Pistons 20. 11. 29 Piston Rods 11. 11. 29 Connecting rods 11. 11. 29
Crank shaft 11. 11. 29 Thrust shaft 7. 10. 29 Intermediate shafts 20. 9. 29.
Tube shaft ✓ Screw shaft 19. 9. 29 Propeller 19. 9. 29
Stern tube 19. 9. 29 Engine and boiler seatings 6. 12. 29 Engines holding down bolts 6. 12. 29
Completion of fitting sea connections 17. 10. 29.
Completion of pumping arrangements 13. 12. 29 Boilers fixed 6. 12. 29 Engines tried under steam 13. 12. 29
Main boiler safety valves adjusted 13. 12. 29 Thickness of adjusting washers F 3/32 A 3/8
Crank shaft material Steel Identification Mark 502 Thrust shaft material Steel Identification Mark 502
Intermediate shafts, material Steel Identification Marks 502 Tube shaft, material ✓ Identification Mark ✓
Screw shaft, material Steel Identification Mark 502 Steam Pipes, material B. C. P. Test pressure 400 lbs Date of Test 7. 12. 29
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 carrying and burning oil fuel been complied with ✓
Is this machinery duplicate of a previous case No If so, state name of vessel Galvani

Master
Engines made at
Boilers made at
Nominal Horse Power

MULTITUBULAR

Manufacturers of Steam
Total Heating Surface

No. and Description

Tested by hydraulic pressure

Area of Firegrate in

Area of each set of

In case of donkey boiler

Smallest distance betw

Smallest distance betw

Largest internal dia.

Thickness 1 3/4

long, seams T

Percentage of strength

Percentage of strength

Thickness of butt str

Material Steel

Length of plain part

Dimensions of stiffen

End plates in steam

How are stays secur

Tube plates: Mater

Mean pitch of stay

Girders to combusti

at centre 10 3/4

in each 3

Tensile strength

Pitch of stays to ditto

Working pressure by

Thickness 1 9/16

Pitch of stays at m

Working Pressure

Diameter { At body of
or
Over threads

Working pressure by

Diameter { At turned off
or
Over threads

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 found good. It has been satisfactorily fitted on board, tried under working conditions & found in good order. It is eligible in my opinion to have name of + Steel. 12. 29 cl.

Survey is a fitting report, sent with report upon the sister vessel

It is submitted that this vessel is eligible for THE RECORD. + Steel 12. 29 cl.

30/12/29

The amount of Entry Fee ... £ 2 : 0 :
Special ... £ 24 : 0 :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for, 23 Dec 29.
When received, 2/1/30

John H. Mackintosh
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 31 DEC 1929
Assigned + Steel 12. 29 cl.