

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

RETAIN

Received at London Office 24 NOV 1939

Date of writing Report 22 NOV 1939 When handed in at Local Office 22 NOV 1939 Port of **HULL**

No. in Survey held at 15917 on the **SINGLE SCREW STEAM TRAWLER "CAPE FORTERRE"** Date, First Survey 28-3-39 Last Survey 11 1939
 Reg. Book. (Number of Visits 28)

Tons { Gross 591.
 Net 225.

Built at **Wm. & S. M. S. Co.** By whom built **Wm. & S. M. S. Co.** Yard No. 1205 When built 1939

Engines made at **Wm. & S. M. S. Co.** By whom made **Wm. & S. M. S. Co.** Engine No. 1550 When made 1939

Boilers made at **Wm. & S. M. S. Co.** By whom made **Wm. & S. M. S. Co.** Boiler No. 1550 When made 1939

Registered Horse Power 162.8 Owners **Wm. & S. M. S. Co.** Port belonging to **Wm. & S. M. S. Co.**

Nom. Horse Power as per Rule 163 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 O.P. inverted.** Revs. per minute

Dia. of Cylinders **14 1/2 x 24 1/2 x 41.** Length of Stroke **27.** No. of Cylinders **3.** No. of Cranks **3.**

Crank shaft, dia. of journals as per Rule **6.193** Crank pin dia. **8 3/4** Crank webs Mid. length breadth **15 3/4** Thickness parallel to axis **2 3/8**
 as fitted **8 1/4** Mid. length thickness **5 3/4** Thickness around eye-hole **2 1/4**

Intermediate Shafts, diameter as per Rule **7.103** Thrust shaft, diameter at collars as per Rule **7.803**
 as fitted **8"** as fitted **8 3/4"**

Tube Shafts, diameter as per Rule **8.19** Screw Shaft, diameter as per Rule **8 1/2** Is the tube screw shaft fitted with a continuous liner **Yes**
 as fitted **8"** as fitted **8 1/2"**

Bronze Liners, thickness in way of bushes as per Rule **5.102** Thickness between bushes as per Rule **4.21** Is the after end of the liner made watertight in the propeller boss **Yes**
 as fitted **19/32** as fitted **1/2"**

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 shaft **No** Length of Bearing in Stern Bush next to and supporting propeller **40 1/2"**

Propeller, dia. **10.67** Pitch **10.6** No. of Blades **4** Material **Brass** whether Moveable **No** Total Developed Surface **412** sq. feet

Feed Pumps worked from the Main Engines, No. **1** Diameter **3"** Stroke **15"** Can one be overhauled while the other is at work **Yes**

Bilge Pumps worked from the Main Engines, No. **1** Diameter **3"** Stroke **15"** Can one be overhauled while the other is at work **Yes**

Feed Pumps { No. and size **One 1 1/2" steam driven 1 1/2" dia.** Pumps connected to the { No. and size **One 4.5 pump, duplex steam 7x5x6"**
 How driven **One 4.5 pump, steam 7x5x6"** Main Bilge Line { How driven **One 3" steam driven**

Ballast Pumps, No. and size **One 4.5 pump, steam** Lubricating Oil Pumps, including Spare Pump, No. and size **One 3" steam driven**

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 **One 2" E.R. fwd. One 2" E.R. aft. One 3" Guita.**

In Pump Room **Yes** In Holds, &c. **Two 2" Main fish room: One 2" One 2" T. Main hold. One 2" One 2" T. Main hold.**

Main Water Circulating Pump Direct Bilge Suctions, No. and size **One 5"** Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size **One 3" Guita.** 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 **Below**

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 **Two Suctions to fuel tank & bilge** How are they protected **Welded coverings**

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 **No** Is it fitted with a watertight door **Yes** worked from **Yes**

MAIN BOILERS, &c.—(Letter for record **"S"**) Total Heating Surface of Boilers **2337 sq. ft.**

Is Forced Draft fitted **Yes** No. and Description of Boilers **One S.B.** Working Pressure **225 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 **Yes** Main Boilers **Yes** Auxiliary Boilers **Yes** Donkey Boilers **Yes**
 (If not state date of approval)

Superheaters **Yes** General Pumping Arrangements **Yes** Oil fuel Burning Piping Arrangements **Yes**

SPARE GEAR.

Has the spare gear required by the Rules been supplied **As below**

State the principal additional spare gear supplied:

2 Top end valve & nut.	12 Piston rings & washers.
2 Bot. " " " "	3 " " " "
2 Main bearing " " "	1 Set of valves for Diesel pump.
1 Set coupling " " "	1 Set of valves for Auxiliary pump.
1 Set bilge & fuel pump valves	1 Fuel pump valve.
1 Set air pump valves.	1 Impeller shaft.
1 Safety valve spring.	2 Top end valve for Main engine pump.
1 Donkey check valve lid.	2 Bot. " " " "
1 Main check valve lid.	1 Spare water gauge pipe.

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

W. R. Evans Manufacturer.

1 Pipe Unit T. check valve
 1 Main engine piston & valve spindle gland
 1 Main engine piston & valve spindle gland
 1 Main engine piston & valve spindle gland
 1 Main engine piston & valve spindle gland

RETAIN

During progress of work in shops -- 1939. MAR. 26, APR. 17, MAY 2, 2, 12, 22, 23, JUN. 12, 12, 20, 27, JUL. 3, 4, 10, 20, 25.
 During erection on board vessel --- AUG. 2, 15, SEPT. 5, 5, 11, 25, 27, 29, OCT. 6, 9, 17, 27, NOV. 8.
 Total No. of visits 29.

Dates of Examination of principal parts—Cylinders 3. 7. 39 Slides 10. 7. 39 Covers 10. 7. 39
 Pistons 10. 7. 39 Piston Rods 10. 7. 39 Connecting rods 10. 7. 39
 Crank shaft 12. 6. 39 Thrust shaft 12. 6. 39 Intermediate shafts 12. 6. 39
 Tube shaft ✓ Screw shaft 22. 5. 39 Propeller 2. 8. 39
 Stern tube 2. 8. 39 Engine and boiler seatings 2. 8. 39 Engines holding down bolts 29. 9. 39
 Completion of fitting sea connections 2. 8. 39
 Completion of pumping arrangements 17. 10. 39 Boilers fixed 29. 9. 39 Engines tried under steam 17. 10. 39
 Main boiler safety valves adjusted 17. 10. 39 Thickness of adjusting washers P.L. 7/16" S.V. 1/32" Sept. 1. 39
 Crank shaft material Steel Identification Mark 1420 Thrust shaft material Steel Identification Mark 1420
 Intermediate shafts, material Steel Identification Marks 1420 Tube shaft, material ✓ Identification Mark ✓
 Screw shaft, material Steel Identification Mark 1420 Steam Pipes, material Steel Test pressure 175 lbs Date of Test 9. 10. 39
 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 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 S.T. CAPE SIRETONE
 General Remarks (State quality of workmanship, opinions as to class, &c. S.T. CAPE PASSARO

The Machinery of this vessel has been examined under special survey & the materials & workmanship are sound & good. The machinery has been satisfactorily installed, examined under working conditions & found in good working order & is eligible in my opinion to receive the notation HL L.S.C. 11. 39. CL. 5PT. in the Register Book.

The amount of Entry Fee ... £ 3 : 0 : 0 When applied for,
 Special ... £ 40 : 10 : 0 30. 10. 39
 Donkey Boiler Fee ... £ : : : When received, h.s.
 Travelling Expenses (if any) £ : : : 14. 11. 19 39

A. H. ...
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **FRI: 1 DEC 1939**
 Assigned + LMC 11. 39
 H. F. O. C. L.

U.D. 57966 on Cape Passaro

Certificate to be sent to The Surveyors are requested not to write on or below the space for Committee's Minute.