

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 7 JUL 1930

Date of writing Report 4 July 1930 When handed in at Local Office 4 July 1930 Port of Hull
 No. in Survey held at Hull Date, First Survey 10 March Last Survey 27 June 1930
 Reg. Book. 10470 on the Steam Trawler - CAPE KANIN (Number of Visits 19)
 Built at Lilly By whom built Cochrane Sons Ltd. Yard No. 1083 Tons Gross 347.44
Net 143.82 When built 1930
 Engines made at Hull By whom made Cochranes & Co Ltd Engine No. 1398 when made 1930
 Boilers made at Hull By whom made do Boiler No. 1398 when made 1930
 Registered Horse Power _____ Owners Anderson S. Fishing Co Ltd Port belonging to Hull
 Nom. Horse Power as per Rule 96 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 _____
 Dia. of Cylinders 13" 23" 37" Length of Stroke 26" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 7.2 Crank pin dia. 4 1/2" Crank webs Mid. length breadth 1 1/2" Thickness parallel to axis 4 7/8"
as fitted 7.2 6.9 4 7/8" shrunk Thickness around eye-hole 3 3/8"
 Intermediate Shafts, diameter as per Rule 4.2 Thrust shaft, diameter at collars as per Rule 4.2
as fitted 4.2 4 1/2" as fitted 4.2
 Tube Shafts, diameter as per Rule 4.4 Screw Shaft, diameter as per Rule 4.4 Is the { tube } shaft fitted with a continuous liner { Yes }
as fitted 4.4 8 1/4" { screw }
 Bronze Liners, thickness in way of bushes as per Rule 7 1/16" Thickness between bushes as per Rule 3/8" Is the after end of the liner made watertight in the
as fitted 7 1/16" 3/8" 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 _____
 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 _____
 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 Yes If so, state type _____ 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
 Feed Pumps worked from the Main Engines, No. one 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. one Diameter 2 3/4" Stroke 14 3/4" Can one be overhauled while the other is at work Yes
 Feed Pumps { No. and size one 6" x 3 1/2" x 6" Pumps connected to the { No. and size one 6" x 4 1/4" x 6" + 3" Ejector }
 { How driven Steam Main Bilge Line { How driven Steam }
 Ballast Pumps, No. and size _____ Lubricating Oil Pumps, including Spare Pump, No. and size _____
 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 @ 2" _____
 In Holds, &c. 5 @ 2" _____

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 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 casing
 What 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 _____ Is it fitted with a watertight door _____ worked from _____

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 1698 Sq. ft.
 Is Forced Draft fitted No No. and Description of Boilers one Single ended Working Pressure 100 lbs.

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS A DONKEY BOILER FITTED? Yes If so, is a report now forwarded? _____

PLANS. Are approved plans forwarded herewith for Shafting _____ Main Boilers Yes Auxiliary Boilers _____ Donkey Boilers _____
 (If not state date of approval) _____
 Superheaters _____ General Pumping Arrangements Yes Oil fuel Burning Piping Arrangements _____

SPARE GEAR. State the articles supplied:— 2 Bolts + nuts for top ends, bottom ends and
main bearings. Set of coupling bolts + nuts. Valves for air, feed,
bilge + donkey pumps. Main + donkey check valves. Safety valve
spring. Deck pump ram. Duplex shaft. Main Decentive strap.
Bolts + iron of various sizes.

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

Dr Cooper

Manufacturer.



1930

Dates of Survey while building

During progress of work in shops --- 1930. Mar 10, 27, Apr 15, 16, 28, May 5, 10, 13, 14, 19, 22, 26, 30 June 7, 19.

During erection on board vessel ---

Total No. of visits 19.

Dates of Examination of principal parts—Cylinders 19.5.30 Slides 26.5.30 Covers 19.5.30

Pistons 26.5.30 Piston Rods 22.5.30 Connecting rods 22.5.30

Crank shaft 5.5.30 Thrust shaft 5.5.30 Intermediate shafts 15.4.30

Tube shaft ✓ Screw shaft 15.4.30 Propeller 15.4.30

Stern tube 15.4.30 Engine and boiler seatings 21.6.30 Engines holding down bolts 21.6.30

Completion of fitting sea connections 13.5.30

Completion of pumping arrangements 27.6.30 Boilers fixed 21.6.30 Engines tried under steam 27.6.30

Main boiler safety valves adjusted 24.6.30 Thickness of adjusting washers P. 5/16" S. 1/32"

Crank shaft material Steel Identification Mark L.M.C. No. 603 Thrust shaft material Steel Identification Mark L.M.C. No. 603

Intermediate shafts, material Steel Identification Marks L.M.C. No. 603 Tube shaft, material ✓ Identification Mark ✓

Screw shaft, material Steel Identification Mark L.M.C. No. 603 Steam Pipes, material Copper Test pressure 400 lbs. Date of Test 25.6.30

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 ✓

Is this machinery duplicate of a previous case Yes If so, state name of vessel Cape Guardafui

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 working conditions & found in good order.

It is eligible in my opinion to have record of + L.M.C. 6.30 C.L.

It is submitted that this vessel is eligible for THE RECORD. + L.M.C. 6.30 C.L.

J. 8/7/30

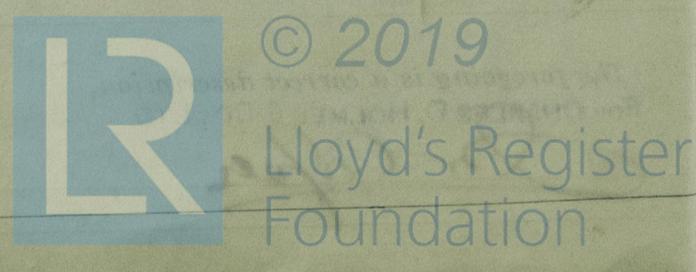
Certificate to be sent to The Surveyors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee ... £ 2 : 0 :
 Special ... £ 24 : 0 :
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : :

When applied for, 4 July 1930
 When received, 1. 8. 30

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

Committee's Minute FRI. 11 JUL 1930
 Assigned + L.M.C. 6.30



For S.S.O.F. please see FE. S.T.R. Cape Guardafui, Hull 40936