

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

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Date of writing Report 19 When handed in at Local Office 21 MAY 1936 Port of Hull
 No. in Survey held at Hull Date, First Survey 24th Feb. 1936 Last Survey 12th May 1936
 Reg. Book. on the Steam Trawler "Cape Comorin" (Number of Visits 24)
 Built at Beverley By whom built Cook, Welton & Semmell Ltd. Yard No. 611 Tons { Gross Net
 Engines made at Hull By whom made C. D. Holmes & Co. Ltd. Engine No. 1491 When built 1936
 Boilers made at do By whom made do Boiler No. do When made 1936
 Registered Horse Power Owners Hudson Bros Trawlers Ltd. Port belonging to Hull
 Nom. Horse Power as per Rule 132 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 14 $\frac{1}{2}$ "-24"-40" Length of Stroke 27" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 8.1" as fitted 8 $\frac{1}{4}$ " Crank pin dia. 8 $\frac{1}{4}$ " Crank webs Mid. length breadth ✓ Thickness parallel to axis 5 $\frac{1}{4}$ "
 as fitted 8 $\frac{1}{4}$ " Mid. length thickness ✓ shrunk Thickness around eye-hole 3 $\frac{9}{16}$ "
 Intermediate Shafts, diameter as per Rule 7.72" as fitted 7 $\frac{7}{8}$ " Thrust shaft, diameter at collars as per Rule 8.1" as fitted 8 $\frac{1}{4}$ "
 Tube Shafts, diameter as per Rule ✓ as fitted ✓ Screw Shaft, diameter as per Rule 8.6" as fitted 8 $\frac{3}{4}$ " Is the { screw } shaft fitted with a continuous liner { Yes.
 as fitted 17.8/32" as per Rule 13.4/32" as fitted 1/2" Is the after end of the liner made watertight in the
 Bronze Liners, thickness in way of bushes as per Rule 9/16" as fitted 9/16" Thickness between bushes as fitted 1/2" 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 ✓
 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 No ✓ If so, state type ✓ Length of Bearing in Stern Bush next to and supporting propeller 40" ✓
 Propeller, dia. 10'-6" Pitch 11'-0" No. of Blades 4 Material C.I. whether Moveable No Total Developed Surface 41.5 sq. feet
 Feed Pumps worked from the Main Engines, No. 2 Diameter 2 $\frac{3}{4}$ " Stroke 15" Can one be overhauled while the other is at work Yes ✓
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 2 $\frac{3}{4}$ " Stroke 15" Can one be overhauled while the other is at work Yes ✓
 Feed Pumps { No. and size One 6" x 3 $\frac{1}{2}$ " x 6" Simple Pumps connected to the { No. and size One 7" x 5" x 6" Duplex
 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" dia. ✓ In Holds, &c. 5 @ 2" dia. ✓
 In Pump Room ✓

Main Water Circulating Pump Direct Bilge Suctions, No. and size One - 4 $\frac{3}{4}$ " 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 ✓ 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 2415 sq. ft. ✓
 Is Forced Draft fitted No ✓ No. and Description of Boilers One Single-Ended Working Pressure 220 lbs. ✓
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes ✓
 IS A DONKEY BOILER FITTED? No ✓ If so, is a report now forwarded? ✓
 Is the donkey boiler intended to be used for domestic purposes only ✓

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

SPARE GEAR.

Has the spare gear required by the Rules been supplied Yes ✓
 State the principal additional spare gear supplied 1 set of main air, feed & bilge pump valves, 1 feed pump plunger,
 1 eccentric strap, spare piston rod & valve spindle glands for soft packing, 1 main & 1 aux.
 feed check valves, 1 length feed pipe, 1 bottom w.g. pipe, cent. circ pump impeller shaft,
 circ pump top & bottom bolts, 1 S.V. spring, 3 condenser tubes & 12 ferrules.

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

Manufacturer.



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011397-011407-0264

During progress of work in shops - - - 1936:- Feb 24 Mar 4 11.16 19.23.25.30 Apr 2.3.5.7.15.17.20.22.23.27.28.29
May 2.5.6.7.7.11.12.
During erection on board vessel - - -
Total No. of visits 24

Dates of Examination of principal parts—Cylinders 19/3/36 24 17/4/36 Slides 27/4/36 Covers 17/4/36
Pistons 27/4/36 Piston Rods 17/4/36 Connecting rods 15/4/36
Crank shaft 17/4/36 Thrust shaft 7/4/36 Intermediate shafts 16/3/36
Tube shaft ✓ Screw shaft 16/3/36 Propeller 24/2/36
Stern tube 23/3/36 Engine and boiler seatings 3/4/36 Engines holding down bolts 5/4/36
Completion of fitting sea connections 3/4/36
Completion of pumping arrangements 12/5/36 Boilers fixed 2/5/36 Engines tried under steam 12/5/36
Main boiler safety valves adjusted 12/5/36 Thickness of adjusting washers F & A 3/8"
Crank shaft material Steel Identification Mark 1011 Thrust shaft material Steel Identification Mark 1011
Intermediate shafts, material Steel Identification Marks 1011 Tube shaft, material ✓ Identification Mark ✓
Screw shaft, material Steel Identification Mark 1011 Steam Pipes, material SD Steel Test pressure 660 lbs/sq. in. Date of Test 7/5/36
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 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 Yes If so, state name of vessel "Cape Chelyuskin". Hull No 46665
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 5.36 T.S (CL)

The amount of Entry Fee ... £ 3 : 0 :
Special ... £ 33 : 0 :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for, 21 MAY 1936
When received, 5.6 1936 8/6

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

Committee's Minute TUE. 26 MAY 1936

Assigned

+ Lmc 5.36 CL



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