

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY

15 MAR 1929

Received at London Office ~~14 MAR 1929~~

of writing Report March 13th 1929 When handed in at Local Office March 19 Port of HULL
 in Survey held at Hull Date, First Survey 4 March Last Survey 14 March 1929
 g. Book. 1683 on the Single Screw Steamer "CILURNUM" (Number of Visits 8)
 Tons { Gross 3044
 Net 1848
 built at Middlesbrough by whom built Sir Raylton Dixon & Co. Ltd Yard No. When built 1919
 Engines made at Middlesbrough By whom made Richdson, Westgarth & Co. Ltd Engine No. when made 1919
 Boilers made at By whom made Boiler No. when made
 Registered Horse Power Owners Antonio Menchaca Port belonging to Bilbao
 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
 for which Vessel is intended Mediterranean

ENGINES, &c.—Description of Engines Triple Expansion Reciprocating Revs. per minute 60
 No. of Cylinders 25, 41, 68 Length of Stroke 3'-9" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 12.89 Crank pin dia. 13 1/4 Crank webs Mid. length breadth 20 3/4 Thickness parallel to axis 8 1/2
 as fitted 13 1/4 Mid. length thickness 8 1/4 shrunk Thickness around eye-hole 5 1/2
 Intermediate Shafts, diameter as per Rule 12.28 Thrust shaft, diameter at collars as per Rule 12.89
 as fitted 12 1/2 as fitted 13 1/4
 Propeller Shafts, diameter as per Rule Screw Shaft, diameter as per Rule 14 1/2 Is the { tube / screw } shaft fitted with a continuous liner { yes }
 as fitted as fitted
 Liners, thickness in way of bushes as per Rule .46 Thickness between bushes as per Rule 9/16 Is the after end of the liner made watertight in the
 as fitted 3/32 as fitted 3/4 yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner yes
 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 Light 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 Length of Bearing in Stern Bush next to and supporting propeller 5'-0"
 Propeller, dia. 16'-0" Pitch 16'-3" No. of Blades 4 Material whether Moveable no Total Developed Surface sq. feet
 Main Pumps worked from the Main Engines, No. Two Diameter 3 1/2 Stroke 24" Can one be overhauled while the other is at work yes
 Auxiliary Pumps worked from the Main Engines, No. Two Diameter 3 1/2 Stroke 24" Can one be overhauled while the other is at work yes
 Bilge Pumps { No. and size One 9 1/2 x 9 1/2 x 8 Pumps connected to the { No. and size One 10 1/2 x 12 1/2 x 21 }
 { How driven Steam Main Bilge Line { How driven Steam }
 Fast Pumps, No. and size One 10 1/2 x 12 1/2 x 21 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
 Pumps;—In Engine and Boiler Room Two in Boiler Room & 1 in S. Three in E.R. 1 in B. & direct Suction
 Tolds, &c. One port & starboard in holds, 2, 3, & 4 holds, also fore & aft platforms
& tunnel well.
 Main Water Circulating Pump Direct Bilge Suctions, No. and size One 13 in Independent Power Pump Direct Suctions to the Engine Room Bilges,
 and size One 3 3/8 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
 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 Level
 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
 Do pipes pass through the bunkers Bilge pipes to holds 1 & 2 holds How are they protected By timbers
 Do pipes pass through the deep tanks no 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
 department to another yes Is the Shaft Tunnel watertight yes Is it fitted with a watertight door yes worked from Platforms

MAIN BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers
 Forced Draft fitted No. and Description of Boilers Working Pressure 150
 A REPORT ON MAIN BOILERS NOW FORWARDED? no
 A DONKEY BOILER FITTED? If so, is a report now forwarded?
 Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey Boilers
 General Pumping Arrangements Oil fuel Burning Piping Arrangements

ARE GEAR. State the articles supplied:— 1 set coupling bolts, 1 set top & bottom end
bolts, 1 set main bearing bolts, 1 circulating pumps impeller
shaft, 1 set safety valve springs, 1 set check valves, scum &
low down valves, condenser tubes, boiler tubes, air pumps
with brasses, valves for feed & general service pumps.
Bolts & nuts (assorted) & iron bars (various).
? Prop pump valves

The foregoing is a correct description,

Manufacturer.



010770-010726-0275

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

Dates of Examination of principal parts—Cylinders Slides Covers
 Pistons Piston Rods Connecting rods
 Crank shaft Thrust shaft Intermediate shafts
 Tube shaft Screw shaft Propeller
 Stern tube Engine and boiler seatings Engines holding down bolts
 Completion of fitting sea connections Boilers fixed Engines tried under steam
 Completion of pumping arrangements Thickness of adjusting washers
 Main boiler safety valves adjusted Identification Mark Thrust shaft material Identification Mark
 Crank shaft material Identification Marks Tube shaft, material Identification Mark
 Intermediate shafts, material Steam Pipes, material Test pressure Date of Test
 Screw shaft, material Identification Mark Is the flash point of the oil to be used over 150°F.
 Is an installation fitted for burning oil fuel
 Have the requirements of the Rules for carrying and burning oil fuel been complied with
 Is this machinery duplicate of a previous case If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)
An examination of the machinery was made with a view to classification. See report attached.

[Faint handwritten notes and signatures, including 'J. L. Smith' and 'See Report']

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

See Report

Committee's Minute TUE. 2 JUL 1929
 Assigned *see minute on*
Bbo Rpt 7525



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