

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

13 JUL 1932

Date of writing Report 1932 When handed in at Local Office 9.7.1932 Port of Glasgow
 No. in Survey held at Reg. Book. 46752. on the S.S. "Gazcon" (GAZCON)
 Date, First Survey 8th Dec. 1931 Last Survey 1st July 1932.
 (Number of Visits 4)
 Built at Glasgow By whom built A. Stephen & Sons Ltd Yard No. 534 Tons Gross 4224. Net 2479
 Engines made at do. By whom made do. Engine No. 534 when made 1932
 Boilers made at do. By whom made do. Boiler No. 534 when made 1932.
 Registered Horse Power 600 Owners Compagnie de Navigation d'Orléans Port belonging to La Rochelle.
 Nom. Horse Power as per Rule 493. Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted y/o.
 Trade for which Vessel is intended

ENGINES, &c.—Description of Engines Triple Expansion Revs. per minute 123.
 Dia. of Cylinders 24" 41" 68" Length of Stroke 48" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 13.58" Crank pin dia. 14 1/2" Crank webs Mid. length breadth No. donut pins 8 3/4"
 as fitted 14 1/2" Mid. length thickness fitted shrunk Thickness parallel to axis 8 3/4"
 Intermediate Shafts, diameter as per Rule 12.94" Thrust shaft, diameter at collars as per Rule 13.58"
 as fitted 13 1/2" as fitted 14 1/2"
 Tube Shafts, diameter as per Rule 14 1/4" Is the tube screw shaft fitted with a continuous liner y/o.
 as fitted 14 1/4" as fitted 14 1/4"
 Bronze Liners, thickness in way of bushes as per Rule 3/4" Thickness between bushes as per Rule 5/16" Is the after end of the liner made watertight in the
 as fitted 3/4" as fitted 5/16" propeller boss y/o. If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner y/o.
 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 y/o.
 If two liners are fitted, is the shaft lapped or protected between the liners y/o. Is an approved Oil Gland or other appliance fitted at the after
 end of the tube shaft y/o. Length of Bearing in Stern Bush next to and supporting propeller 62"
 Propeller, dia. 17'-6" Pitch 16'-9" No. of Blades 4 Material bronze whether Moveable Solid Total Developed Surface 102. sq. feet
 Feed Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 24" Can one be overhauled while the other is at work y/o.
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 24" Can one be overhauled while the other is at work y/o.
 Feed Pumps No. and size 20 1/2 x 9 1/2 x 21 1/2 10 1/2 x 6 1/2 x 15 10 1/2 x 5 1/2 x 6 Pumps connected to the Main Bilge Line No. and size 10 1/2 x 5 1/2 x 6 10 9 x 12 x 12
 How driven Steam How driven Steam
 Ballast Pumps, No. and size 10 9 x 12 x 12 Lubricating Oil Pumps, including Spare Pump, No. and size 1
 Are two independent means arranged for circulating water through the Oil Cooler y/o. Suctions, connected to both Main Bilge Pumps and Auxiliary
 Bilge Pumps; In Engine and Boiler Room 3 20 3 1/2 10 1/2 10 3 1/2 from any Tank under bilge, Scum well 10 2 1/2
 In Holds, &c. No. 1 20 3 1/2 No. 2 20 3 1/2 No. 3 20 3 1/2 No. 4 20 3 1/2 No. 5 20 3 1/2

Main Water Circulating Pump Direct Bilge Suctions, No. and size 10 8" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size 10 1/2" Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes y/o.
 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 y/o.
 Are all Sea Connections fitted direct on the skin of the ship y/o. 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 y/o. 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 y/o. Are the Blow Off Cocks fitted with a spigot and brass covering plate y/o.
 What Pipes pass through the bunkers None. How are they protected y/o.
 What pipes pass through the deep tanks None. Have they been tested as per Rule y/o.
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times y/o.
 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 y/o. Is the Shaft Tunnel watertight y/o. Is it fitted with a watertight door y/o. worked from 2nd deck.

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 7511#
 Is Forced Draft fitted y/o (Main) No. and Description of Boilers 2 Main 1 Aux. 58. Return Water Working Pressure 210 lbs.
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? y/o.
 IS A DONKEY BOILER FITTED? y/o. If so, is a report now forwarded? y/o.
 PLANS. Are approved plans forwarded herewith for Shafting 9.12.31 Main Boilers y/o. Auxiliary Boilers y/o. Donkey Boilers y/o.
 (If not state date of approval)
 Superheaters y/o. General Pumping Arrangements y/o. Oil fuel Burning Piping Arrangements y/o.

SPARE GEAR. State the articles supplied:— In accordance with the Rules y/o.
 Additional. 1 cast iron propeller, 1 screw shaft, 1 set of top end & bottom end frames, a no. of
 condenser tubes & 50 sets of cranes packing, stay & plain tubes for main & aux. boilers, 1 set of
 spindle, feed pump rods, 1 bilge pump rod, 1 air pump rod, 1 eccentric strap, 1 spindle
 for safety valves of main & aux. boilers, 6 pads for thrust block, 1 main circulating pump
 impeller shaft.

The foregoing is a correct description,

Manufactured by

ALEXANDER STEPHEN & SONS, LIMITED

Lloyd's Register Foundation

W41-0015

1931 Dec: 8. 15. 16 (1932) Jan: 12. 13. 18. 26 Feb: 2. 9. 11. 17. 24 Mar: 2. 8. 10. 16. 23. 29 Apr: 6. 8
 During progress of work in shops -- 21. 26. 27 May: 2. 4. 6. 10. 13. 16. 17. 24. 30 June: 1. 2. 3. 10. 13. 16. 22. 23. 24. 28. 30 July 7
 Dates of Survey while building During erection on board vessel --
 Total No. of visits 46

Dates of Examination of principal parts—Cylinders 27.4.32 Slides 13.5.32 Cores 6.4.32
 Pistons 6.4.32 Piston Rods 30.5.32 Connecting rods 30.5.32
 Crank shaft 21.4.32 Thrust shaft 27.4.32 Intermediate shafts 26.4.32
 Tube shaft 16.5.32 Screw shaft 16.5.32 Propeller 6.4.32
 Stern tube 16.5.32 Engine and boiler seatings 30.5.32 Engines holding down bolts 28.6.32
 Completion of fitting sea connections 30.5.32
 Completion of pumping arrangements 7.7.32 Boilers fixed 22.6.32 Engines tried under steam 7.7.32
 Main boiler safety valves adjusted 30.6.32 Thickness of adjusting washers P.P. 4" 5 3/8 S.P. 5 3/8 S 3/8 Aug. Pos 2 3/4
 Crank shaft material S.M. Ingot steel Identification Mark 4258-21-4-32 Thrust shaft material S.M. Ingot steel Identification Mark 5783-CSP-25
 Intermediate shafts, material do. Identification Marks 5780/5785 Shaft, material Identification Mark
 Screw shaft, material S.M. Ingot steel Identification Mark CSP-26 Steam Pipes, material steel Test pressure 630. Date of Test 24.6.32
 Is an installation fitted for burning oil fuel No. Is the flash point of the oil to be used over 150°F. 110
 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
 Is this machinery duplicate of a previous case No. If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

The Machinery of this vessel has been built under special survey and in accordance with the Rules. The materials & workmanship are good. It has been efficiently secured in position on board and on completion has been examined under working conditions and found in order.

The Machinery of this vessel is, in my opinion, eligible to be classed in the Register Book with notation of + LMC 7.32.

The amount of Entry Fee ... £ 5 : - :
 Special ... £ 98 : 19 :
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : :
 When applied for, 11 JUL 1932
 When received, 14.7.1932

Committee's Minute GLASGOW 12 JUL 1932

Assigned + LMC 7.32 FD.

Jos. Fournier
 Engineer Surveyor to Lloyd's Register of Shipping.



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