

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

11 1928

Date of writing Report 19 When handed in at Local Office 6 JULY 1928 Port of Funchal
 No. in Survey held at Funchal Date, First Survey 13 Dec. '27 Last Survey July 3 1928
 Reg. Book. (Number of Visits 38)
 on the S.S. "STREONSHALH" Tons } Gross 3895
 Net 2351
 Built at Funchal By whom built William Pickering & Co. Ltd. Yard No. 222 When built 1928
 Engines made at do By whom made George Clark Ltd. Engine No. 1159 when made 1928
 Boilers made at do By whom made do Boiler No. 1159 when made 1928
 Registered Horse Power _____ Owners Rowland & Manswood SS & Co. Ltd. Port belonging to Whitby
 Nom. Horse Power as per Rule 315 Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted Yes.
 Trade for which Vessel is intended General.

ENGINES, &c.—Description of Engines Triple expansion. Revs. per minute 61.
 Dia. of Cylinders 24-40-66 Length of Stroke 145 No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 12.57 Crank pin dia. 13 Crank webs Mid. length breadth 19 Thickness parallel to axis 7 1/8
 as fitted 13 Mid. length thickness 7 1/8 Thickness around eye-hole 5 1/2
 Intermediate Shafts, diameter as per Rule 11.972 Thrust shaft, diameter at collars as per Rule 12.57
 as fitted 12 1/4 as fitted 13 5/8
 Tube Shafts, diameter as per Rule _____ Screw Shaft, diameter as per Rule 13.386 Is the { tube } shaft fitted with a continuous liner { Yes }
 as fitted _____ as fitted 14 { screw }
 Bronze Liners, thickness in way of bushes as per Rule 32 Thickness between bushes as per Rule _____ Is the after end of the liner made watertight in the
 as fitted 23 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. Length of Bearing in Stern Bush next to and supporting propeller 4-8
 Propeller, dia. 17-0 Pitch 17-6 No. of Blades 4 Material Alloy whether Moveable No. Total Developed Surface 88 sq. feet
 Feed Pumps worked from the Main Engines, No. 2 Diameter 3 Stroke 26 Can one be overhauled while the other is at work Yes
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 3 1/2 Stroke 26 Can one be overhauled while the other is at work Yes
 Feed Pumps { No. and size 2, 12 8 1/2 x 6 x 13 1/2 } Pumps connected to the { No. and size 12 9 x 10 x 10 }
 { How driven Steam } Main Bilge Line { How driven Steam }
 Ballast Pumps, No. and size 12 9 x 10 x 10 Lubricating Oil Pumps, including Spare Pump, No. and size None
 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 32 2 1/2 } 12 4 1/2 }
 In Holds, &c. No 1 Hold 22 2 3/4 } No 2 Hold 22 3 1/4 } No 3 Hold 22 2 3/4 } No 4 Hold
22 2 3/4 }
 Main Water Circulating Pump Direct Bilge Suctions, No. and size 12 5 1/2 Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size 12 4 1/2 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 None How are they protected _____
 What pipes pass through the deep tanks None 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 Yes Is it fitted with a watertight door Yes worked from High up

MAIN BOILERS, &c.—(Letter for record 5) Total Heating Surface of Boilers 4834 sq ft
 Is Forced Draft fitted No No. and Description of Boilers Two S.E. Sgd. Smith Working Pressure 180 lbs.
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes 25B.
 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 connecting Rod top end & 2 connecting Rod bottom
end bolts & nuts. 2 main bearing bolts. 1 set of coupling bolts. 1 set
of feed & bilge pump valves. A quantity of assorted bolts & nuts &
pieces of various sizes. 1 C.I. Propeller. 1 tail end shaft. 3 collars
tubes. 5 boiler tubes. 2 safety valve springs.

The foregoing is a correct description,

FOR GEORGE CLARK LIMITED.

W & B Manufacturer.

Manufacturer.



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Lloyd's Register Foundation

W412-0149

NOTE.—The words which do not apply should be deleted.

1927. Dec. 13. 1928. Feb. 14, 23, 28. Mar. 1, 5, 6, 9, 14, 15, 20, 27, 28. Apr. 2, 3, 4, 5, 11, 18, 27
 During progress of work in shops - - May 2, 14, 22, 24, 25, 31. June 5, 6, 12, 14, 15, 18, 19, 20, 22, 25. July 2, 3.
 Dates of Survey while building }
 During erection on board vessel - - - }
 Total No. of visits 38

Dates of Examination of principal parts—Cylinders 2/4/28 Slides 14/3/28 Covers 20/3/28
 Pistons 5/3/28. Piston Rods 1/3/28 Connecting rods 28/2/28
 Crank shaft 6/3/28 Thrust shaft 6/3/28 Intermediate shafts 18/4/28
 Tube shaft Screw shaft 18/4/28 Propeller 3/4/28
 Stern tube 5/4/28 Engine and boiler seatings 18/6/28 Engines holding down bolts 18/6/28
 Completion of fitting sea connections 24/5/28
 Completion of pumping arrangements 22/5/28 Boilers fixed 18/6/28 Engines tried under steam 20/6/28
 Main boiler safety valves adjusted 20/6/28 Thickness of adjusting washers PORT 9" 5 9/16" STBD 9" 5 1/2"
 Crank shaft material I. STEEL Identification Mark 4134 Thrust shaft material I. STEEL Identification Mark 14 FK
 Intermediate shafts, material I. STEEL Identification Marks 13, 106, 11, 42, 441. Tube shaft, material Identification Mark
 Screw shaft, material I. STEEL Identification Mark 3796 12 FK. Steam Pipes, material L.W.S. Test pressure 540 Date of Test 18/6/28
 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 carrying and burning oil fuel 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 engines & boilers of this vessel have been built under special survey & the material & workmanship are good. On completion the machinery was tried under full working conditions with satisfactory results.

The machinery throughout is now in a good & efficient condition & eligible in my opinion to have the notation LMC-7-28 & T.S. C.L. marked in the Society's Register Book.

It is submitted that this vessel is eligible for THE RECORD. + LMC 7-28 C.L.

D.A. 9/7/28.
 J.G.

Harbottle
 Engineer Surveyor to Lloyd's Register of Shipping.

The amount of Entry Fee ... £ 5-0-0 When applied for,
 Special ... £ 72-5-0 6 JULY 1928
 Donkey Boiler Fee ... £ : : When received,
 Travelling Expenses (if any) £ : : 19.7.28

Committee's Minute
 Assigned + L.M.C. 7:28 C.L.
 CERTIFICATE WRITTEN.

FNL 13 JUL 1928



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