

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 24 JAN 1930

Date of writing Report 19 When handed in at Local Office 20 Jan 1930 Port of Funduland.
 No. in Survey held at Funduland. Date, First Survey 13 Sep. '29 Last Survey 13 Jan 1930
 Reg. Book. (Number of Visits 36)
 on the S.S. "AMENT" Tons { Gross 2798 Net 1656
 Built at Funduland By whom built William Pickering Ltd. Yard No. 229 When built 1930
 Engines made at Do By whom made George Black Ltd Engine No. 1183 when made 1930
 Boilers made at Do By whom made Do Boiler No. 1183 when made 1930
 Registered Horse Power Owners Port belonging to Funduland.
 Nom. Horse Power as per Rule 277 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
 Trade for which Vessel is intended Coal

ENGINES, &c.—Description of Engines Triple expansion. Revs. per minute 70
 Dia. of Cylinders 22½-37-61" Length of Stroke 42" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 11.739 Crank pin dia. 11 7/8" Crank webs Mid. length breadth 1 7/8" Thickness parallel to axis 7 3/8"
 as fitted 11 7/8" Mid. length thickness 7 3/8" shrunk Thickness around eye-hole 5 3/8"
 Intermediate Shafts, diameter as per Rule 11.18" Thrust shaft, diameter at collars as per Rule 11.739"
 as fitted 11 3/8" as fitted 11 7/8"
 Tube Shafts, diameter as per Rule 12.503 Screw Shaft, diameter as per Rule 12 5/8" Is the { tube } shaft fitted with a continuous liner { Yes }
 as fitted 12 5/8" as fitted 12 5/8" Is the { screw } shaft fitted with a continuous liner { Yes }
 Bronze Liners, thickness in way of bushes as per Rule 21.75/32" Thickness between bushes as per Rule 1/8" Is the after end of the liner made watertight in the
 as fitted 1/8" as fitted 1/8" 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 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 Yes
 If two liners are fitted, is the shaft lapped or protected between the liners Yes 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 4-2 1/2"
 Propeller, dia. 15-10 1/2" Pitch 15-9" No. of Blades 4 Material C.I. whether Moveable No Total Developed Surface 79 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" Stroke 26" Can one be overhauled while the other is at work Yes
 Feed Pumps { No. and size One 7 1/2" x 5" x 6" Pumps connected to the { No. and size One 9" x 10" x 10" }
 { How driven Steam Main Bilge Line { How driven Steam }
 Ballast Pumps, No. and size Two 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 Yes Suctions, connected to both Main Bilge Pumps and Auxiliary
 Bilge Pumps;—In Engine and Boiler Room 3 2 3"
 In Holds, &c. 2 @ 3" No 1 Hold, 2 @ 3" No 2 Hold, 1 @ 4" Hold Well, 1 @ 3" T. Well.

Main Water Circulating Pump Direct Bilge Suctions, No. and size One 5 1/2" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size One 4" 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
 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 Both.
 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 Yes
 What pipes pass through the deep tanks Yes Have they been tested as per Rule Yes
 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 By Remote Control

MAIN BOILERS, &c.—(Letter for record S.) Total Heating Surface of Boilers 4488 sq ft
 Is Forced Draft fitted No No. and Description of Boilers Two S. E. type Working Pressure 180 LBS sq
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes. 25B.
 IS A DONKEY BOILER FITTED? No other boiler. If so, is a report now forwarded? Yes
PLANS. Are approved plans forwarded herewith for Shafting No Main Boilers Yes Auxiliary Boilers Yes Donkey Boilers Yes
 Superheaters Yes General Pumping Arrangements Yes Oil fuel Burning Piping Arrangements Yes

SPARE GEAR. State the articles supplied:— 2 connecting rod top end, 2 connecting rod bottom
end bolts & nuts, 2 main bearing bolts, 1 set coupling bolts, a quantity
of assorted bolts & nuts & iron of various sizes, 1 P.I. Propeller, condenser
tubes & boiler tubes, 2 safety valve springs, 1 set of valves, 1 set
for bilge pumps, 1 set valves for feed pump, 1 set valves for air &
circulating pump, 1 set valves for Ballast Tank, 1 main & 1 aux
check valve.

The foregoing is a correct description,

FOR GEORGE CLARK LIMITED

W 387/1111

Manufacturer.



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W598-0141

NOTE.—The words which do not apply should be deleted. If not, state whether, and when, one will be sent. In a Report also sent on the Hull of the Ship

1929. Sep. 13, 24. Oct. 3, 7, 9, 14, 15, 22, 24. Nov. 1, 4, 8, 11, 14, 19, 20, 21, 22, 25, 26, 28, 29.
 Dec. 4, 9, 12, 13, 18, 28, 29, 30, 31. 1930. Jan. 2, 4, 6, 7, 13

Dates of Survey while building
 During progress of work in shops - -
 During erection on board vessel - - -

Total No. of visits 36

Dates of Examination of principal parts—Cylinders 4/11/29 Slides 22/10/29 Covers 9/10/29
 Pistons 7/10/29 Piston Rods 24/10/29 Connecting rods 21/11/29
 Crank shaft 8/11/29 Thrust shaft 8/11/29 Intermediate shafts 26/11/29
 Tube shaft 26/11/29 Screw shaft 26/11/29 Propeller 11/11/29
 Stern tube 22/11/29 Engine and boiler seatings 18/12/29 Engines holding down bolts 30/12/29
 Completion of fitting sea connections 12/12/29
 Completion of pumping arrangements 3/1/30 Boilers fixed 24/12/29 Engines tried under steam 3/1/30
 Main boiler safety valves adjusted 3/1/30 Thickness of adjusting washers PART BOILER 3/4" 5/8" STAR BOILER 3/4" 5/8"
 Crank shaft material I. STEEL Identification Mark 2375 Thrust shaft material I. STEEL Identification Mark 5956
 Intermediate shafts, material I. STEEL Identification Marks 11/12/29 2479, 3000 Tube shaft, material - Identification Mark -
 Screw shaft, material I. STEEL Identification Mark 5955 Steam Pipes, material L.W.S Test pressure 340 LBS/IN² Date of Test 29/11/29
 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 Yes If so, state name of vessel S.S. WESTAVON.

General Remarks

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

The engines & boilers of this vessel have been built under special survey & the materials & workmanship are good. On completion the machinery was tried under a full head of steam with satisfactory results. The machinery throughout is now in a good & efficient condition & eligible in my opinion to have the notation L.M.C.-1-30 & T.S.C.L marked in the Society's Register Book.

It is submitted that this vessel is eligible for THE RECORD. + L.M.C. 1-30. CL.

[Signature]
 27/1/30

The amount of Entry Fee ... £ 4-0-0 When applied for, 8 JAN. 1930
 Special ... £ 66-11-0
 Donkey Boiler Fee ... £ : : When received, 23 JAN. 1930
 Travelling Expenses (if any) £ : : *huru.*

[Signature]
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 23 JAN 1930

Assigned

+ L.M.C. 1.30 CL

CERTIFICATE WRITTEN



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