

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 29008

Received at London Office

31 JAN 1925

Date of writing Report 29th Jan 1925 When handed in at Local Office 29th Jan 1925 Port of Sunderland
 No. in Survey held at Sunderland Date, First Survey Sep 30 Last Survey Jan 20 1925
 Reg. Book. on the S/S "JORDAENS" (Number of Visits 28)

Built at Hoboken By whom built Antwerp Engineering Co Yard No. 89 Tons Gross
 Engines made at Sunderland By whom made M. E. Marine Eng. Co Engine No. 2596 When built 1925
 Boilers made at Sunderland By whom made M. E. Marine Eng. Co Boiler No. 2596 when made 1925
 Registered Horse Power _____ Owners _____ Port belonging to _____
 Nom. Horse Power as per Rule 145 ✓ Is Refrigerating Machinery fitted for cargo purposes _____ Is Electric Light fitted _____

ENGINES, &c.—Description of Engines

Triple Expansion

Dia. of Cylinders 18"-30"-49" Length of Stroke 33" Revs. per minute 86 No. of Cylinders 3 No. of Cranks 3
 Dia. of Crank shaft journals as per rule 9.46" 9.35" Dia. of Crank pin 9 1/2" Crank webs Mid. length breadth 14 1/2" Thickness parallel to axis 5 1/2"
 Diameter of Thrust shaft under collars as per rule 9.46" 9.35" Diameter of Tunnel shaft as per rule 9.81" 8.90" New Rule Thickness around eye-hole 4 1/2" PIN
 as fitted 9 1/2" as fitted 9 1/8" Diameter of Screw shaft as per rule 10.75" Is the Screw shaft fitted with a continuous liner the whole length of the stern tube Yes
 If the liner is in more than one length are the joints burned _____ If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with 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 appliance fitted at the after end of the shaft to permit of it being efficiently lubricated _____
 Pitch of Propeller 12'-9" No. of Blades 4 State whether Moveable No Total Surface 524 square feet.
 No. of Feed Pumps fitted to the Main Engines 2 Diameter of ditto 3" Stroke 15" Can one be overhauled while the other is at work Yes
 No. of Bilge Pumps fitted to the Main Engines 2 Diameter of ditto 3 1/2" Stroke 15" Can one be overhauled while the other is at work Yes
 Total number and size of power driven Feed and Bilge Auxiliary Pumps One 5" x 7 1/2" x 6" Feed Pump
 No. and size of Pumps connected to the Main Bilge Line _____
 No. and size of Ballast Pumps one 8" x 10" x 10" No. and size of Lubricating Oil Pumps, including Spare Pump _____
 Are two independent means arranged for circulating water through the Oil Cooler _____ No. and size of suction connected to both Main Bilge Pumps and Auxiliary Bilge Pumps;—In Engine and Boiler Room _____ and in Holds, &c. _____

No. and size of Main Water Circulating Pump Bilge Suctions

No. and size of Donkey Pump Direct Suctions

to the Engine Room Bilges _____ Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes _____
 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 connections with the sea direct on the skin of the ship _____ Are they Valves or Cocks _____
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates _____ Are the Discharge Pipes above or below the deep water line _____
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel _____ Are the Blow Off Cocks fitted with a spigot and brass covering plate _____
 What Pipes are carried through the bunkers _____ How are they protected _____
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times _____
 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 _____ Is the Screw Shaft Tunnel watertight _____ Is it fitted with a watertight door _____ worked from _____

MAIN BOILERS, &c.—(Letter for record (S))

Total Heating Surface of Boilers 3036 ✓
 Is Forced Draft fitted _____ No. and Description of Boilers 2, Single ended Marine type Working Pressure 180 lbs

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS A DONKEY BOILER FITTED?

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)

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

SPARE GEAR. State the articles supplied:— 2 Top and bolts & nuts, 2 Connecting rod bottom end bolts & nuts, 2 Main bearings bolts and nuts, 6 Connecting Bolts and nuts, 2 Feed Pump Valves, 2 Bilge Pump Valves, 1/2 set of assorted Plate, 1/2 set of Iron Bars, 50 Bolts & Nuts, one pair of bottom end bearings, 2 Safety Valve Springs, 1/2 set of Air Pump Valves, 1 Propeller.

The foregoing is a correct description,

FOR THE NORTH EASTERN MARINE ENGINEERING CO. LTD.

C. J. Adams

Manufacturer.

Manager.



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Lloyd's Register Foundation

W1029-0143

1924 Sep 30 Oct 10 13 14 16 28 29 31 Nov 3 5 10 11 13 14 21 25 26 Dec 2 5 11 15 19 22
 During progress of work in shops - - 29.30.25 Jan. 7. 14.20
 Dates of Survey while building
 During erection on board vessel - - -
 Total No. of visits 28

Dates of Examination of principal parts - Cylinders 11-11-24 Slides 19-12-24
 Covers 25-11-24 Pistons 13-11-24 Rods 19-12-24
 Connecting rods 19-12-24 Crank shaft 5-11-24 Thrust shaft 5-11-24
 Tunnel shafts 14-11-24 Screw shaft 29-12-24 Propeller 20-1-25
 Stern tube 30-12-24 Engine and boiler seatings Engines holding down bolts
 Completion of pumping arrangements Boilers fixed Engines tried under steam
 Completion of fitting sea connections Stern tube Screw shaft and propeller
 Main boiler safety valves adjusted Thickness of adjusting washers
 Material of Crank shaft Ingot Steel Identification Mark on Do. Lloyds N° 6966 G.A. 5-11-24
 Material of Thrust shaft Ingot Steel Identification Mark on Do. Lloyds N° 6966 G.A. 5-11-24
 Material of Tunnel shafts Ingot Steel Identification Marks on Do. Lloyds N° 6966 G.A. 14-11-24
 Material of Screw shafts Ingot Steel Identification Marks on Do. Lloyds N° 6966 G.A. 29-12-24
 Material of Steam Pipes Test pressure Date of Test
 Is an installation fitted for burning oil fuel 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 If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. The materials and workmanship are good. The machinery has been constructed under special survey and is eligible in my opinion for classification and record of + L.M.C. (with date) when it has been satisfactorily installed in the vessel.

This machinery is about to be sent to Hoboken where it will be installed in the vessel.

The amount of Entry Fee ... £ 3-0-0 When applied for, 30 JAN. 1925
 Special ... £ 35-0-0
 Donkey Boiler Fee ... £ 8-15-0
 Travelling Expenses (if any) £ :
 When received, 16-2-1925

Committee's Minute

Assigned

TUES. 28 APR 1925

See Ant 13631

George Anderson
 Engineer Surveyor to Lloyd's Register of Shipping.



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