

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 29008

Date of writing Report 29th Jan 1925 When handed in at Local Office 29th Jan 1925 Port of Sunderland Received at London Office 31 JAN 1925

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 made 1925 } Net
 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 as fitted 9.2 Dia. of Crank pin 9.2 Crank webs Mid. length breadth 14.2 Thickness parallel to axis 5.5
 as per rule 9.46 9.35 as fitted 9.2 Mid. length thickness 5.5 shrunk Thickness around eye-hole 4.2 PIN
 Diameter of Thrust shaft under collars as per rule 9.46 9.35 as fitted 9.2 Diameter of Tunnel shaft as per rule 9.81 8.95 8.95 as fitted 9.8 Diameter of Screw shaft as per rule 10.75 as fitted 10.2 Is the Screw shaft fitted with a continuous liner the whole length of the stern tube Yes Is the after end of the liner made watertight in the propeller boss 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 3.2 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 7.2" 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.

SUNDERLAND.

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

The amount of Entry Fee ... £ 3-0-0

Special ... £ 35-0-0

Donkey Boiler Fee ... £ 8-15-0

Travelling Expenses (if any) £ :

When applied for. 30 JAN. 1925

When received. 16-2-1925

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

Committee's Minute TUES. 28 APR 1925

Assigned See Ant 13631