

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

14 AUG 1929

Date of writing Report

10

When handed in at Local Office

6-8-

1029

Port of

Newcastle-on-Tyne

No. in Survey held at
Reg. Book.

41129 on the

Wallsend, "New Steel S.S. Langleetarn"

Date, First Survey

March 13/29

Last Survey

Aug. 6/29

(Number of Visits 44)

Gross 4908.

Net 3986.

Built at

Tarrus

By whom built

Palmer's S.S. & I.C. Co. Ltd.

Yard No.

992

Engines made at

Wallsend

By whom made

North Eastern M.E.C. Co. Ltd.

Engine No.

2699

Boilers made at

Wallsend

By whom made

North Eastern M.E.C. Co. Ltd.

Boiler No.

2699

Registered Horse Power

Owners Messrs. McDermott & Co. Ltd.

Port belonging to

Newcastle

Nom. Horse Power as per Rule

481.

Is Refrigerating Machinery fitted for cargo purposes

no

Is Electric Light fitted

yes.

Trade for which Vessel is intended

General cargo. Ocean going.

ENGINES, &c.—Description of Engines

Triple expansion

Dia. of Cylinders 24" x 40 1/2" x 40" Length of Stroke 48" No. of Cylinders 3 Revs. per minute 60

Crank shaft, dia. of journals as per Rule 13.94" as fitted 14 3/8" Crank pin dia. 14 3/8" No. of Cranks 3

Intermediate Shafts, diameter as per Rule 13.28" as fitted 13 1/2" Thrust shaft, diameter at collars as per Rule 14 3/8" as fitted 14 3/8"

Tube Shafts, diameter as per Rule 14.8" as fitted 15 1/8" Is the tube shaft fitted with a continuous liner? yes

Screw Shaft, diameter as per Rule 14.8" as fitted 15 1/8" Is the screw shaft fitted with a continuous liner? yes

Bronze Liners, thickness in way of bushes as per Rule 25 3/32" as fitted 25 3/32" Thickness between bushes as per Rule 19 3/32" as fitted 19 3/32" 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 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? yes

Length of Bearing in Stern Bush next to and supporting propeller 5'-3"

Propeller, dia. 18'-3" Pitch 19'-0" No. of Blades 4 Material Bronze whether Moveable no Total Developed Surface 108 sq. feet

Feed Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 26" Can one be overhauled while the other is at work? yes

Bilge Pumps worked from the Main Engines, No. 2 Diameter 4 1/2" Stroke 26" Can one be overhauled while the other is at work? yes

Feed Pumps { No. and size 2 @ 9" x 11" x 10" (wires) Pumps connected to the Main Bilge Line { No. and size 1 @ 9" x 11" x 10"

How driven Steam How driven Steam

Ballast Pumps, No. and size 1 @ 9" x 10" x 11" Lubricating Oil Pumps, including Spare Pump, No. and size 1

Are two independent means arranged for circulating water through the Oil Cooler? yes

Bilge Pumps;—In Engine and Boiler Room 4 @ 3" dia. 1 @ 3" tunnel well. Suctions, connected to both Main Bilge Pumps and Auxiliary

In Holds, &c. No. 1, 2 @ 3"; No. 2, 2 @ 3 1/4"; No. 2A, 2 @ 2 1/2"; No. 3, 2 @ 3"; No. 4, 1 @ 3";

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1 @ 5" 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? 2nd hold bilge suction How are they protected? woodenings

What pipes pass through the deep tanks? 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 top platform

MAIN BOILERS, &c.—(Letter for record S. ✓) Total Heating Surface of Boilers 6558 sq. ft.

Is Forced Draft fitted? yes No. and Description of Boilers Three single ended 3 SB Working Pressure 225 lbs

IS A REPORT ON MAIN BOILERS NOW FORWARDED? yes

IS A DONKEY BOILER FITTED? no If so, is a report now forwarded? yes

PLANS. Are approved plans forwarded herewith for Shafting? yes Main Boilers yes Auxiliary Boilers yes Donkey Boilers yes

(If not state date of approval)

Superheaters General Pumping Arrangements yes Oil fuel Burning Piping Arrangements yes

SPARE GEAR. State the articles supplied:—Two each bolts nuts for top & bottom ends & main bearings, one set coupling bolts, 2 sets feed bilge pp valves, Quantity of assorted bolts nuts & washers, 1 cast iron propeller, one set aux feed & ballast pp valves, 1 set packing for pp piston valve, 1 set thrust pads, 1 tail shaft, 1 set packing for each piston.

The foregoing is a correct description,
THE NORTH EASTERN MARINE ENGINEERING CO., LTD.

Secretary

Manufacturer.



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