

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

NEWCASTLE ON TYNE

23 SEP 1927

Date of writing Report 21st Sept 1927 When handed in at Local Office 21st Sept 1927 Port of

No. in Survey held at St Peters & Hebburn Reg. Book.

Date, First Survey 1st March 1927 Last Survey 20th Sept 1927

42966 on the S.S. Prelawny

(Number of Visits 72)

Gross 4689

Net 2876

When built 1927

Built at Hebburn on Tyne By whom built R. & W. Hawthorn Leslie & Co Ltd Yard No. 546

Engines made at St Peters on Tyne By whom made do

Engine No. 3668 when made 1927

Boilers made at do By whom made do

Boiler No. 3668 when made 1927

Registered Horse Power

Owners Ham, S. & Co Ltd

Port belonging to London

Nom. Horse Power as per Rule 470

Is Refrigerating Machinery fitted for cargo purposes no

Is Electric Light fitted yes

Trade for which Vessel is intended Foreign

ENGINES, &c.—Description of Engines

Triple Expansion

Revs. per minute 71

Dia. of Cylinders 26" 43 1/2" 73"

Length of Stroke 48"

No. of Cylinders 3

No. of Cranks 3

Crank shaft, dia. of journals as per Rule 14.07

Crank pin dia. 14 1/4"

Crank webs

Mid. length breadth 21"

Thickness parallel to axis 8 1/2"

as fitted 14 1/4"

Mid. length thickness 8 1/2"

Thickness around eye-hole 6 3/8"

Intermediate Shafts, diameter as per Rule 13.4

as fitted 13 1/4"

Thrust shaft, diameter at collars as per Rule 14.07

as fitted 14 1/4"

Tube Shafts, diameter as per Rule

Screw Shaft, diameter as per Rule 14.82"

Is the screw

shaft fitted with a continuous liner yes

as fitted

as fitted 15 1/4"

Bronze Liners, thickness in way of bushes as per Rule 3/4"

as fitted 3/4"

Thickness between bushes as per Rule 9/16"

as fitted 9/16"

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

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

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 5'-0"

Propeller, dia. 18'-0" Pitch 17'-6" No. of Blades 4 Material Bronze whether Moveable no Total Developed Surface 105 sq. feet

Feed Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 28" Can one be overhauled while the other is at work yes

Bilge Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 28" Can one be overhauled while the other is at work yes

Feed Pumps No. and size two 9 1/2" x 7" x 18" Pumps connected to the Main Bilge Line No. and size one ballast 9" x 10 1/2" x 10"

How driven Steam How driven

Ballast Pumps, No. and size one 9" x 10 1/2" x 10" Lubricating Oil Pumps, including Spare Pump, No. and size

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 In Engine 2 3/4"

In Holds, &c. two 3 1/2" in each hold and one 2 1/4" in tunnel well

Main Water Circulating Pump Direct Bilge Suctions, No. and size one, 8"

Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size one 4 3/4"

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 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 above

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 are carried through the bunkers those to forward holds How are they protected Wood casing

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 ER platform

MAIN BOILERS, &c.—(Letter for record 5) Total Heating Surface of Boilers 7830 sq. ft.

Is Forced Draft fitted no No. and Description of Boilers 3 Single Ended Working Pressure 200 lbs sq. in.

IS A REPORT ON MAIN BOILERS NOW FORWARDED? yes

IS A DONKEY BOILER FITTED? yes so, is a report now forwarded? yes

PLANS. Are approved plans forwarded herewith for Shafting yes Main Boilers yes Auxiliary Boilers none Donkey Boilers yes

(If not state date of approval)

Superheaters none General Pumping Arrangements yes Oil fuel Burning Piping Arrangements none

SPARE GEAR. State the articles supplied: two top & 2 bottom end bolts & nuts; 2 main bearing

bolts & nuts; a set of 22 coupling bolts & nuts; a set of feed & bilge pump

valves; assorted bolts & nuts; a few bars of iron; one c iron propeller

1 propeller shaft; one set piston rod & valve rod packing; 2 pairs top end

brasses; one pair bottom end brasses; one impeller shaft for circulating

pump; 30 condenser tubes & 60 ferrules; 6 boiler tubes; one set of HP piston

rings & springs; one set hot well pump suction & delivery valves etc.

The foregoing is a correct description



Manufacturer.



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