

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

18 SEP 1929

Received at London Office 18 SEP 1929

Writing Report 10 When handed in at Local Office 18 SEP 1929 Port of London

Survey held at Newbury Date, First Survey 3rd June Last Survey 13th Sept 1929

on the Twin Is. L. H. "ISLANDER" (Number of Visits 1) Gross 1619

Grangemouth By whom built Messrs. The Grangemouth Ship Co. Yard No. 416 Tons Not 744

made at Newbury By whom made Messrs. Plenty & Sons Ltd Engine No. 2609 when made 1929

made at Penrhy By whom made Babcock & Wilcox Boiler No. 6/1243 when made 1929

red Horse Power Owners Christmas Island Trading Co. Port belonging to

Horse Power as per Rule 211 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

for which Vessel is intended Singapore and Christmas Island

VES, &c.—Description of Engines. Triple Expansion, surface condensing Revs. per minute

Cylinders 13" x 21 1/2" x 36" Length of Stroke 27" No. of Cylinders 3 each engine No. of Cranks 3 each engine

shaft, dia. of journals as per Rule 7.18" as fitted 7.25" Crank pin dia. 7.25" Crank webs Mid. length breadth ✓ Thickness parallel to axis 4 5/8"

Intermediate Shafts, diameter as per Rule 6.84" as fitted 6.875" Thrust shaft, diameter at collars as per Rule 7.18" as fitted 7.25" Thickness around eye-hole 3 1/8"

Shafts, diameter as per Rule ✓ as fitted ✓ Screw Shaft, diameter as per Rule 5.23" as fitted 5 3/8" Is the tube shaft fitted with a continuous liner Yes

Liners, thickness in way of bushes as per Rule 3/8" as fitted 3/8" Thickness between bushes as per Rule 3/8" as fitted 1/2" Is the after end of the liner made watertight in the boss ✓

If the liner is in more than one length are the junctions made by fusion through the whole thickness of 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 ✓

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 ✓

If so, state type No

er, dia. 8'-6" Pitch 10'-8" No. of Blades 4 Material Man. Bze whether Movable No Total Developed Surface 24 1/2" sq. feet

Pumps worked from the Main Engines, No. 1 per each Diameter 2 3/4" Stroke 13 1/2" Can one be overhauled while the other is at work Yes

Pumps worked from the Main Engines, No. 1 Diameter 2 3/4" Stroke 13 1/2" Can one be overhauled while the other is at work Yes

No. and size 2 - 6 x 8 1/2" x 18" Pumps connected to the Main Bilge Line { No. and size 2 - 7 x 6 1/2" x 15" and 9 x 8" x 18"

How driven Steam How driven Steam

Pumps, No. and size 1 - 9" x 8" x 18" Lubricating Oil Pumps, including Spare Pump, No. and size ✓

Independent means arranged for circulating water through the Oil Cooler

Pumps;—In Engine and Boiler Room 5 in Eng. Room @ 2 1/2" - 2 in Boiler Room @ 2 1/2"

&c. For 4 @ 3" Aft. 2 @ 3" 1 in Lofferdam Aft. 2 1/2"

Water Circulating Pump Direct Bilge Suctions, No. and size 1 @ 7" Independent Power Pump Direct Suctions to the Engine Room Bilges, size 1 @ 3 1/2"

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes

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

Sea Connections fitted direct on the skin of the ship

Are they fitted with Valves or Cocks

Fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates

Are the Overboard Discharges above or below the deep water line

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

Pipes pass through the bunkers

How are they protected

Pipes pass through the deep tanks

Have they been tested as per Rule

Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

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 Shaft Tunnel watertight

Is it fitted with a watertight door

worked from

BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers 4068 #

ed Draft fitted No No. and Description of Boilers Two Water Tube Working Pressure 190 lbs/sq"

REPORT ON MAIN BOILERS NOW FORWARDED?

DONKEY BOILER FITTED?

If so, is a report now forwarded?

VS. Are approved plans forwarded herewith for Shafting March 14th 1929 Main Boilers Auxiliary Boilers Donkey Boilers

(If not state date of approval)

General Pumping Arrangements Oil fuel Burning Piping Arrangements

GEAR, State the articles supplied: 8 Top end bolts & nuts - 4 Bottom end bolts & nuts -

Coupling bolts - 2 Main bearings - 2 valve spindles - 2 complete sets

top and bottom end brasses - 1st pump head valve and 2 sets of

ies - 2 1st pump rods & buckets - 2 sets Main feed pumps

lves and seats - 2 sets bilge pump valves & seats - 40 Condenser tubes

it valves & springs for feed checks - 12 Junk ring bolts & nuts -

Eccentric shafts complete - 1 set piston rings - 1 set piston

we springs - 2 Propeller shafts - 2 cast iron propellers -

1 set Thrust block gads - a quantity of assorted bolts & nuts and

of various sizes.

The foregoing is a correct description,

FOR AND ON BEHALF OF

PLENTY & SON, LIMITED.

Manufacturer.

SECRETARY.

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Lloyd's Register
Foundation

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