

REPORT ON MACHINERY.

No. 80399

Port of London

Received at London Office

Survey held at Newbury

Date, first Survey June 25th. Last Survey Nov 1st 1917.

(Number of Visits 6)

on the Engines No. 2366

Tons { Gross
Net
When built

Built at

By whom built

Made at Newbury

By whom made Plenty & Son Ltd.

when made

Made at

By whom made

when made

Ind Horse Power

Owners

Port belonging to

Ind Horse Power as per Section 28

72

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

RES, &c.—Description of Engines Triple-Surface Condensing No. of Cylinders 3 No. of Cranks 3

Cylinders 13"-22"-34" Length of Stroke 22 1/2" Revs. per minute 7.35 Dia. of Screw shaft 7.96" Material of screw shaft Steel

Screw shaft fitted with a continuous liner the whole length of the stern tube two liners Is the after end of the liner made water tight

Propeller boss If the liner is in more than one length are the joints burned If the liner does not fit tightly at the part

The bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive If two

are fitted, is the shaft lapped or protected between the liners Length of stern bush 2'-5 1/2"

Shaft tunnel shaft as per rule 6.39" Dia. of Crank shaft journals as per rule 6.7" Dia. of Crank pin 6 3/4" Size of Crank webs 12 1/4" Dia. of thrust shaft under

6 3/4" Dia. of screw 8'-3" Pitch of screw 9'-6" No. of blades 4 State whether moceable yes Total surface 26 1/4 ft.

Feed pumps one Diameter of ditto 3" Stroke 10" Can one be overhauled while the other is at work

Bilge pumps one Diameter of ditto 3" Stroke 10" Can one be overhauled while the other is at work

Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room In Holds, &c.

Large injections sizes Connected to condenser, or to circulating pump Is a separate donkey suction fitted in Engine room & size

The bilge suction pipes fitted with roses Yes Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible

Do. connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both

Do. fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the discharge pipes above or below the deep water line above

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

Pipes are carried through the bunkers Hold suction How are they protected

Pipes, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times Yes

Bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges Yes

Were stern tube, propeller, screw shaft, and all connections examined in dry dock Is the screw shaft tunnel watertight

Fitted with a watertight door worked from

RES, &c.—No. of Certificate (Letter for record) Total Heating Surface of Boilers 1271 Is forced draft fitted

Working Pressure 180 lbs Tested by hydraulic pressure to

Description of Boilers Can each boiler be worked separately Area of fire grate in each boiler No. and Description of safety valves to

Area of each valve Pressure to which they are adjusted Are they fitted with easing gear

Mean dia. of boilers Length Material of shell plates

Range of tensile strength Are they welded or flanged Descrip. of riveting: cir. seams long. seams

Pitch of rivets Lap of plates or width of butt straps

Working pressure of shell by rules Size of manhole in shell

No. and Description of Furnaces in each boiler Material Outside diameter

Thickness of plates Description of longitudinal joint No. of strengthening rings

Combustion chamber plates: Material Thickness: Sides Back Top Bottom

Working pressure by rules If stays are fitted with nuts or riveted heads Working pressure by rules

End plates in steam space: Working pressure by rules Material of stays

How are stays secured Working pressure by rules Material of Front plates at bottom

Working pressure by rules Working pressure of plate by rules

Greatest pitch of stays Working pressure of plate by rules

Material of Lower back plate Thickness: Front Back Mean pitch of stays

Working pressures by rules Girders to Chamber tops: Material Depth and

Length as per rule Distance apart Number and pitch of Stays in each

Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked

Description of longitudinal joint Diam. of rivet

Material of flue plates Thickness

Working pressure by rules Diameter of flue End plates: Thickness How stayed

Distance between rings Working pressure by rules

Area of safety valves to superheater Are they fitted with easing gear

Pressure of end plates

The original report stated to include an appendix

Lloyd's Register Foundation 557-0068

DONKEY BOILER— No. _____ Description _____

Made at _____ By whom made _____ Date of test _____ Where fixed _____

Working pressure _____ tested by hydraulic pressure to _____ No. of Certificate _____ Fire grate area _____ Description of safety valves _____

No. of safety valves _____ Area of each _____ Pressure to which they are adjusted _____ If fitted with easing gear _____ If steam from main _____

enter the donkey boiler _____ Dia. of donkey boiler _____ Length _____ Material of shell plates _____ Thickness _____ Rang _____

strength _____ Descrip. of riveting long. seams _____ Dia. of rivet holes _____ Whether punched or drilled _____ Pitch of riv _____

Lap of plating _____ Per centage of strength of joint _____ Rivets _____ Thickness of shell crown plates _____ Radius of do. _____ No. of Stays to do _____

Plates _____

Dia. of stays. _____ Diameter of furnace Top _____ Bottom _____ Length of furnace _____ Thickness of furnace plates _____ De _____

joint _____ Thickness of furnace crown plates _____ Stayed by _____ Working pressure of shell by rule _____

Working pressure of furnace by rules _____ Diameter of uptake _____ Thickness of uptake plates _____ Thickness of water tubes _____

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

Dates { During progress of }
of Survey { work in shops - - }
while { During erection on }
building { board vessel - - }
Total No. of visits _____

Is the approved plan of main boiler forwarded herewith _____

“ “ “ donkey “ “ “

General Remarks (State quality of workmanship, opinions as to class, &c. _____)

Certificate (if required) 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. £	:	:	When applied for,
Special £	:	:19.....
Donkey Boiler Fee £	:	:	When received,
Travelling Expenses (if any) £	:	:19.....

Engineer Surveyor to Lloyd's Register of British & Foreign S

Committee's Minute

FEB 18 MAR 1918

Assigned



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