

REPORT ON BOILERS.

No. 15660

REC'D NEW YORK July 26 1919

Received at London Office July 24 1919 93339

re to 400 L^a 5.
Boiler yes
filled yes

When handed in at Local Office 24 July 1919 Port of New York and Philadelphia
in Survey held at Bayonne N.J. Date, First Survey
Book.

on the STEEL SCREW STEAMER "LUXPALILE" (Number of Visits) Gross 5753 Tons Net 3562

Built at Philadelphia By whom built American International Corpⁿ When built 1919
Machinery made at Schenectady N.Y. By whom made General Electric Co. When made 1919

Boilers made at Bayonne N.J. By whom made Babcock & Wilcox Co. MBS&P When made 1918
Horse Power 600 Owners Emergency Fleet Corporation Port belonging to Philadelphia

WATER TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Lukens Steel Co

Total Heating Surface of Boilers 8700^{sq} Is forced draft fitted yes No. and Description of Boilers Three Water Tube Working Pressure 200 lb Tested by hydraulic pressure to 400 lb Date of test 10/3/19

No. of Certificate 299 Can each boiler be worked separately yes Area of fire grate in each boiler No. and Description of Safety valves to each boiler Two direct spring Area of each valve 7.06^{sq} Pressure to which they are adjusted 200 lb

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 42" R Length 14' 7 3/8"

Material of shell plates Steel Thickness 1/2" Range of tensile strength 60,000 Are the shell plates welded or flanged No

Description of riveting: cir. seams S.R. lap long. seams D.R.D.B.S. Diameter of rivet holes in long. seams 29" Pitch of rivets 2 3/4" x 9/16"

Overlap of plates or width of butt straps 9 3/4" x 15" Per centages of strength of longitudinal joint rivets 108 Working pressure of shell by rules 243 lb Size of manhole in shell 15" x 11" Size of compensating ring 7/16" plate 80.1

No. and Description of Furnaces in each Boiler Material Outside diameter Length of plain part Thickness of plates crown bottom

Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber

Plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back

Are stays fitted with nuts or riveted heads Working pressure by rules Material of stays Diameter at smallest part

Area supported by each stay Working pressure by rules End plates in steam space: Material Steel Thickness 19"

How are stays secured Dished ends 42" R Working pressure by rules 200 Material of stays Diameter at smallest part

Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of cover back plate

Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes

Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide

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

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

Working pressure by rules Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

Materially yes Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

Reinforced with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater 1" Are they fitted with easing gear yes

VERTICAL DONKEY BOILER— No. Description Manufacturers of steel

Made at By whom made When made Where fixed Working pressure

Tested by hydraulic pressure to Date of test 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 boilers can

enter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile

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

Lap of plating Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates

Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace

Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown

plates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates

Thickness of water tubes

The foregoing is a correct description, for J. Stenger, Manufacturer.

Dates of Survey while building: During progress of work in shops 1918, Mar 6, 14, 15, 18, 19, 21, & daily until 30 Sept/18; During erection on board vessel - - - See Report U9; Total No. of visits

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "



WISIS-0142

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

These boilers have been constructed under Special Survey and in accordance with plans approved July 18-1917. The workmanship and material are both of good quality. The steam-trums and sections have been tested by hydraulic pressure to 400 lbs per sq inch, and found tight and sound. They have now been despatched for fitting aboard. To complete the survey, the boilers to be re-erected on board and tested by hydraulic pressure. All mountings to be examined and fitted. Safety-valves to be adjusted under steam.

Philadelphia
Boilers erected on board, mountings examined and fitted, hydraulic test of 400 lbs applied, and safety valves adjusted under steam to 200 lbs

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.....

Committee's Minute

New York JUL 29 1919

Assigned

see Phil Rpt No. 3339

Alexander Macquatt
 Engineer Surveyor to Lloyd's Register of Shipping.

J. Blillock



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Lloyd's Register
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