

REPORT ON ~~WATER TUBE BOILERS.~~

No. 6825

Small Compressed Air Tank
Received at London Office

AUG 14 1939

Date of writing Report July 22nd 1939 When handed in at Local Office July 26th 1939 Port of Patterson Ind. USA

No. in Reg. Bk. 39138 Survey held at Sparrows Point, Md. Date, First Survey Jan 26th Last Survey May 9th 1939
 on the "MOBILUBE" Steel Single Screw tanker steamship (4332) (Number of Visits 3) Gross Tons 10222 Net Tons 6181
 Master T.O. JOANSSEN Built at Sparrows Pt. Md. By whom built Bethlehem Steel Co When built 1939
 Engines made at Exington, Pa. By whom made Westinghouse Manufacturing Co When made 1938-9
 Boilers made at Convent, N.Y. By whom made Foster-Wheeler Corp. When made 1938-9
 Registered Horse Power 706.79 Owners Foxey Vacuum Oil Co Port belonging to New York N.Y.

~~WATER TUBE BOILERS~~ MAIN, AUXILIARY, OR DONKEY. — Manufacturers of Steel Bethlehem Steel Co
 (Letter for Record of Boilers ONE - 30" N/A Dia Corp' Air Tank) Date of Approval of plan January 18th 1939 Number and Description or Type 2005 Date of Test March 20th 1939
 No. of Certificate THE TANK Can each boiler be worked separately yes Tested by Hydraulic Pressure to 2005 Total Heating Surface of Boilers 30 cubic feet
 Is forced draught fitted yes Area of fire grate (coal) in each Boiler yes Total grate area of boilers in vessel including Main and Auxiliary yes No. and type of burners (oil) in each boiler yes No. and description of safety valves on each boiler ONE - 1" Spring loaded Area of each valve approx 7854 sq in Pressure to which they are adjusted 100 lbs
 Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter the donkey boiler yes
 Smallest distance between boilers or uptakes and bunkers or woodwork 17 inches Height of Boiler yes Width and Length yes
 Drums: — Number in each boiler ONE Inside diameter 30 inches Material of plates A.S. Steel Thickness 5/16 inch
 Range of Tensile Strength 54,300 lbs per sq inch Are drum shell plates welded or flanged Welded Description of riveting: —
 Cir. seams Fusion Welded long. seams Fusion Welded Diameter of rivet holes in long. seams yes Pitch of Rivets yes
 Lap of plate or width of butt straps yes Thickness of straps yes Percentage strength of long. joint: — Plate 90% Rivet allowed
 Diameter of tube holes in drum yes Pitch of tube holes yes Percentage strength of shell in way of tubes yes
 If Drum has a flat side state method of staying yes Depth and thickness of girders at centre (if fitted) yes Distance apart yes Number and pitch of stays in each yes Working pressure by rules yes Drum Heads or Ends: — Material A.S. Steel Thickness 5/16 inch Radius or how stayed 30" Radius
 Size of Manhole or Handhole 4 3/8" x 3 1/4" Water Drums: — Number in each boiler yes Inside Diameter yes
 Material of plates yes Thickness yes Range of tensile strength yes Are drum shell plates welded or flanged yes Description of riveting: — Cir. seams yes long. seams yes Diameter of Rivet Holes in long. seams yes Pitch of rivets yes Lap of plates or width of butt straps yes Thickness of straps yes
 Percentage strength of long. joint: — Plate yes Rivet yes Diameter of tube holes in drum yes Pitch of tube holes yes
 Percentage strength of drum shell in way of tubes yes Water Drum Heads or Ends: — Material yes Thickness yes
 Radius or how stayed yes Size of manhole or handhole yes Headers or Sections: — Number yes
 Material yes Thickness yes Tested by Hydraulic Pressure to yes Material of Stays yes
 Area at smallest part yes Area supported by each stay yes Working Pressure by Rules yes Tubes: — Diameter yes
 Thickness yes Number yes Steam Dome or Collector: — Description of Joint to Shell yes
 Percentage strength of Joint yes Diameter yes Thickness of shell plates yes Material yes
 Description of longitudinal joint yes Diameter of Rivet Holes yes Pitch of Rivets yes Working Pressure of shell by Rules yes Crown or End Plates: — Material yes Thickness yes How stayed yes

SUPERHEATER. Type yes Date of Approval of Plan yes Tested by Hydraulic Pressure to yes
 Date of Test yes Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler yes
 Diameter of Safety Valve yes Pressure to which each is adjusted yes Is easing gear fitted yes
 Is a drain cock or valve fitted at lowest point of superheater yes Number, diameter, and thickness of tubes yes
 Spare Gear. Tubes yes Gaskets or joints: — Manhole yes Handhole yes Handhole plates yes

The foregoing is a correct description,

Shipbuilding Division, Sparrows Point, Md.

Manufacturer.

Dates of Survey Jan 26th 1939 February 28th 1939 May 9th 1939 Is the approved plan of TANK boiler forwarded herewith yes
 while building yes Total No. of visits Three

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This Small Air Tank for Compressed Air System has been constructed under Special Survey & in accordance with the approved plan. The workmanship & materials are good. Report of welding test & stress invoice attached herewith. The tank subjected to an impact test using 2 1/2 lb hammer & test tank pressed hydraulically to 150 lb to verify welding - then pressure raised to 200 lbs for a sustained duration & all joints & connections examined & found satisfactory. The tank subsequently installed aboard vessel & is now in use under operation.
 Survey Fee £ 40.00 When applied for July 26th 1939
 Travelling Expenses (if any) £ 5.00 When received 19.9.39

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

NEW YORK AUG 2 - 1939

Assigned See First Entry Report.

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