

REPORT ON WATER TUBE BOILERS.

3 APR 1950

Received at London Office

Writing Report 22nd Feb., 1950 When handed in at Local Office 28th Feb., 1950 Port of Baltimore, Maryland

Survey held at Sparrows Point, Maryland Date, First Survey 16th June, 1949 Last Survey 14th February 1950

on the S.S. "SAN TOME" (Number of Visits 5) Gross Tons 17902 Net Tons 11068

Sparrows Point, Maryland By whom built Bethlehem Sparrows Point/ Shipyard Inc. When built 1950

made at Quincy, Mass. By whom made Bethlehem Steel Company When made 1949

made at Carteret, N.J. By whom made Foster Wheeler Corp. When made 1949

Normal Horse Power 3240 Owners Afran Transport Co. Port belonging to Monrovia

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Bethlehem Steel Company

Approval of plan 13th December, 1948, New York Number and Description or Type Low Pressure Steam Generator L.P. St. Gen. Working Pressure 125 Tested by Hydraulic Pressure to 250 Date of Test 5th Dec. 1949

Certificate AB 148* JRT 7-49. Can each boiler be worked separately One only Total Heating Surface of Boilers 355 sq. ft.

draught fitted - Area of fire grate (coal) in each boiler Unfired

type of burners (oil) in each boiler None L.P. St. Gen. per rule - No. and description of safety valves on - Pressure to which they -

L.P. St. Gen. One 4" angle relief valve Area of each set of valves per boiler 12.56 as fitted

adjusted 125 p.s.i. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter donkey boiler - Smallest distance between boilers or uptakes and bunkers or woodwork - Height of boiler -

Length 9' - 10 5/8" Steam Drums: Number in each boiler One Inside diameter 4'-5"

thickness of plates 1/2" Range of Tensile Strength 55,000 - 65,000 p.s.i. Are drum shell plates welded Welded If fusion welded, state name of welding firm Bethlehem Steel Company Have all the requirements of the rules

Class I vessels been complied with Description of riveting: Cir. seams - long seams -

meter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of joint: Plate 90% Rivet - Diameter of tube holes in drum - Pitch of tube holes -

percentage strength of shell in way of tubes Steam Drum Heads or Ends: Range of tensile strength 55,000 - 65,000

thickness of plates Front Hd. 5/8" Back Hd. 1/2" Radius or how stayed 48" Dished Size of manhole 12" x 16" Water Drums: Number - Are drum shell plates -

inside boiler Inside Diameter - Thickness of plates - Range of tensile strength - Have all the requirements of the rules

ed or flanged - If fusion welded, state name of welding firm - Description of riveting: Cir. seams - long seam -

Class I vessels been complied with Description of riveting: Cir. seams - long seam -

meter of rivet holes in long. seams - Pitch of rivets - Thickness of straps -

percentage strength of long. joint: Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

percentage strength of drum shell in way of tubes Water Drum Heads or Ends: Range of Tensile strength -

thickness of plates - Radius or how stayed - Size of manhole or handhole -

headers or Sections: Number - Material - Thickness - Tested by Hydraulic Pressure to -

es: Diameter 1" O.D. Thickness .072" Number 147 Description of longitudinal joint - If fusion welded, state name of welding -

Outside tube sheet Inside tube sheet Thickness of shell plates I.S. Tube Sheet - 2" Range of tensile strength 55,000 - 65,000 p.s.i. Description of longitudinal joint -

Have all the requirements of the rules for Class I vessels been complied with - Diameter of rivet holes -

of rivets - Thickness of straps - Percentage strength of long. Joint - Plate Rivet -

own or End Plates: Range of tensile strength - Thickness - Radius or how stayed -

PERHEATER. Drums or Headers: Number in each boiler - Inside Diameter -

thickness - Material - Range of tensile strength - Are drum shell plates welded -

anged - If fusion welded, state name of welding firm - Have all the requirements of the rules -

Class I vessels been complied with Description of riveting: Cir. seams - long seams -

meter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of joint: Plate - Rivet -

in shell in way of tubes Drum Heads or Ends: Thickness - Range of tensile strength -

radius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -

tested by Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which -

be shut off from the boiler - No. and description of Safety Valves - Area of each set -

valves - Pressure to which they are adjusted - Is easing gear fitted -

are Gear. Has the spare gear required by the rules been supplied -

L.P. Steam Generator Drain Cooler. The foregoing is a correct description, Manufacturer.

Is the approved plan forwarded herewith Yes

Total No. of visits 5

L.P. St. Gen. Yes If so, state vessel's name and report No. S.S. "JAHRA" Rept. No. 8911

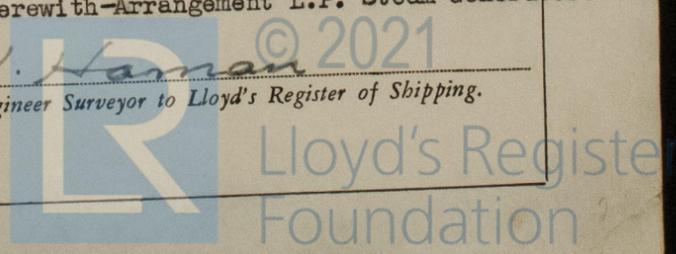
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This Low Pressure Steam Generator is a horizontal, no pass, shell and tube type unit with submerged tube heating surface. Shell, tube sheets, baffles of steel. Shell heads and tube nest heads of cast steel, tubes of copper. Unit was built in accordance with the approved plans. Workmanship and material throughout are good and unit was hydrostatically tested in place on board with all fittings and piping, and examined under steam working conditions. Forwarded herewith—Arrangement L.P. Steam Generator.

Survey Fee £ - : : When applied for, - 19

Travelling Expenses (if any) £ - : : When received, - 19

Committee's Minute NEW YORK MAR 15 1950

signed See First Entry Report attached.



Ent 24/4/50

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