

REPORT ON WATER TUBE BOILERS

No. 9069

3 APR 1950

Received at London Office

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Writing Report 22nd Feb., 1950 When handed in at Local Office 28th Feb., 1950 Port of Baltimore, Maryland
 in Survey held at Sparrows Point, Maryland Date, First Survey 11th February, 1949 Last Survey 14th February 1950
 Bk. on the S.S. "SAN TOME" (Number of Visits 4) Gross 17902 Tons
 Inc. Net 11068
 at Sparrows Point, Maryland By whom built Bethlehem Sparrows Point Shipyards/When built 1950
 es made at Quincy, Mass. By whom made Bethlehem Steel Company When made 1949
 s made at Carteret, N. J. By whom made Foster Wheeler Corp. When made 1949
 al Horse Power 3240 Owners. Afran Transport Co. Port belonging to Monrovia

TER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Bethlehem Steel Company
 of Approval of plan 3rd October, 1948, New York. Number and Description or Type 250 p.s.i. Date of Test 14 Feb. 1949
 One Compressed Air Tank Working Pressure 125 p.s.i. Tested by Hydraulic Pressure to 250 p.s.i.
 of Certificate Heads 75K709832518 AB 211 Total Heating Surface of Boilers Air Tank
 Shell 75K518844386/Can each boiler be worked separately. Tank Unfired
 draught fitted. Area of fire grate (coal) in each Tank
 and type of burners (oil) in each boiler. No. and description of safety valves on
 boiler. One 1/2" Relief Valve Area of ~~xxxxxx~~ valves per ~~xxxx~~ Tank { per rule - as fitted .196 Pressure to which they
 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. Cap Tank 30 cu.ft
 Length 5' - 3 1/2" Air Drums: Number in each boiler One Inside diameter 35 1/4"
 Thickness of plates 3/8" Range of Tensile Strength 55,000 - 65,000 p.s.i. Are drum shell plates welded
 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 Yes Description of riveting:—Cir. seams Fusion Weld long. seams Fusion Weld
 meter of rivet holes in long. seams. Pitch of rivets. Thickness of straps. Percentage strength of
 joint:—Plate 80% Rivet Diameter of tube holes in drum Pitch of tube holes
 Percentage strength of shell in way of tubes. Air Drum Heads or Ends: Range of tensile strength 55,000-65,000 p.s.i.
 Thickness of plates 3/8" Radius or how stayed Size of manhole or handhole 5" flanged pipe opening Water Drums: Number
 each boiler Inside Diameter Thickness of plates Range of tensile strength Are drum shell plates
 welded or flanged. 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. seam
 meter of rivet holes in long. seams. Pitch of rivets Thickness of straps Pitch of tube holes
 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 Tested by Hydraulic Pressure to
 Headers or Sections: Number Material Thickness Number Steam Dome or Collector: Description of
 es: Diameter Thickness Inside diameter Thickness of shell plates Range of tensile
 to Shell Description of longitudinal joint If fusion welded, state name of welding
 gth. 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
 SUPERHEATER. Drums or Headers: Number in each boiler Inside Diameter
 Thickness Material Range of tensile strength Are drum shell plates welded
 flanged 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 Diameter of tube holes in drum Pitch of tube holes Percentage strength of
 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

The foregoing is a correct description,

Manufacturer.

Dates } During progress of } 11-14 February, 1949. Is the approved plan of ~~xxxx~~ tank forwarded herewith Yes
 Survey } work in shops - -
 while } During erection on } 18 October, 1949 14 February, 1950. Total No. of visits 4
 building } board vessel - - -

Tank Yes If so, state vessel's name and report No. "JAHRA" No. 8911, "BURGAN" No. 8939 & "CORO" No. 9044.
 his ~~xxxx~~ a duplicate of a previous case.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This small tank for compressed air system has been
 constructed under Special Survey and in accordance with the approved plan. The workmanship and materials are good.

Tank has been installed on board the vessel and seen under working conditions.
 Compressed Air Tank Plan forwarded herewith.

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

C. H. Haman
 Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
 Foundation