

REPORT ON WATER TUBE BOILERS

COMPRESSED AIR TANK

No. 8826

18 MAY 1949

Received at London Office

Writing Report 18th March, 1949. When handed in at Local Office 19th April, 1949. Port of Baltimore, Maryland.
 Survey held at Baltimore, Maryland. Date, First Survey 15th December 1948. Last Survey 10th February 1949.
 Name of vessel on the S.S. "WORLD PEACE" (Number of Visits 3) (Gross 10892 Tons) (Net 6539 Tons)
 Location Sparrows Point, Maryland. By whom built Bethlehem Sparrows Point Shipyard When built 1948-1949
 Made at Quincy, Mass. By whom made Bethlehem Steel Co., Shipbuilding Div. When made 1948
 Made at Carteret, N.J. By whom made Foster Wheeler Corp. When made 1948
 Indicated Horse Power 1179 Owners World Tankers Corp. Port belonging to Monrovia

COMPRESSED AIR TANK
 Approval of plan 14th December 1948. American Bureau of Shipping. Number and Description or Type
 Compressed air receiver Working Pressure 125 Tested by Hydraulic Pressure to 250 Date of Test 4th Jan. 1949
 Certificate AB 134 Can each boiler be worked separately - Total Heating Surface 30 cu. ft.
 Draught fitted - Area of fire grate (coal) in each Boiler Compressed Air Tank
 Type of burners (oil) in each boiler Unfired No. and description of safety valves on boiler
 One - Spring loaded 1" Area of each set of valves per boiler { per rule - Pressure to which they as fitted -
 Adjusted 110 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
 Length 6' - 8 1/32" Steam Drums: - Number in each boiler - Inside diameter 2' - 5 3/8"
 Thickness of plates 5/16" Range of Tensile Strength 55000 to 65000 Are drum shell plates welded
 Method of welding Fusion Welded If fusion welded, state name of welding firm Bethlehem Steel Corp. Have all the requirements of the rules
 Class I vessels been complied with Yes Description of riveting: - Cir. seams - long seams -
 Diameter 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 shell in way of tubes - Flanged Dished Hds. Range of tensile strength 55000 - 65000
 Thickness of plates 5/16" Radius or how stayed 30" OD x 5/16" x 30" Size of manhole or handhole Two 3 1/2" x 4 7/8" Water Drums: - Number in 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 -
 Diameter 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 -
 Diameter - Thickness - Number - Steam Dome or Collector: - Description of
 Attachment to Shell - Inside diameter - Thickness of shell plates - Range of tensile strength -
 Description of longitudinal joint - If fusion welded, state name of welding firm -
 Have all the requirements of the rules for Class I vessels been complied with - Diameter of rivet holes -
 Thickness of straps - Percentage strength of long joint - Plate - Rivet -
 Drum 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 -
 Diameter 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 -
 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 can be shut off from the boiler - No. and description of Safety Valves - Area of each set of valves - Pressure to which they are adjusted - Is easing gear fitted -

Spare Gear. Has the spare gear required by the rules been supplied Compressed Air Tank.
 The foregoing is a correct description,
 Manufacturer.

Dates of Survey while building } During progress of 15th. December 1948. Is the approved plan of boiler forwarded herewith No
 } During erection on board vessel - - 4th. January 1949.
 } 10th. February 1949. Total No. of visits 3

Is this a duplicate of a previous case No If so, state vessel's name and report No. -

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This Air Receiver for Compressed Air System was constructed under Special Survey for American Bureau of Shipping and is in accordance with the approved plan. The workmanship and materials are good. Tank has now been installed on vessel and seen under working conditions.

Survey Fee £ - : : } When applied for, 19
 Travelling Expenses (if any) £ - : : } When received, 19

Committee's Minute Assigned see first entry report attached.
 NEW YORK APR 27 1949
 G. H. Hamman
 Engineer Surveyor to Lloyd's Register of Shipping.

