

REPORT ON COMPRESSED AIR TANKS WATER TUBE BOILERS.

No. 7699

20 JUL 1942

Received at London Office

Writing Report 15th June, 19 42 When handed in at Local Office 23rd June, 19 42 Port of Baltimore, Maryland

Survey held at Baltimore, Maryland Date, First Survey 3rd Feb. 1941 Last Survey 18th Mar. 19 42
on the S.S. "COLINA" (Number of Visits 3) Tons Gross 9925 Net 5904

at Sparrows Point, Md. By whom built Bethlehem Steel Co. When built 1941
Lines made at Essington, Pa. By whom made Westinghouse E. & M. Co. When made 1941
Boilers made at Carteret, N. J. By whom made Foster Wheeler Corp. When made 1941
Original Horse Power 1884 Owners Socony- Vacuum Oil Co. Port belonging to New York

WATER TUBE BOILERS SMALL COMPRESSED AIR TANK MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel Bethlehem Steel Company

Date of Approval of plan January 18th, 1939 Number and Description or Type
One 30" Intr. Dia. Air Tank Working Pressure 100 lbs. Tested by Hydraulic Pressure to 200 lbs. Date of Test 6 Mar. 1941
cubic capacity of air tank 30 cubic feet

of Certificate - Can the tank be worked separately Yes Total Heating Surface of Boilers 30

forced draught fitted - Area of fire grate (coal) in each Boiler -
and type of burners (oil) in each boiler - No. and description of safety valves on

Donkey Tank: One 1" spring loaded Area of each set of valve Approx. .7854 sq. in. Pressure to which they are adjusted 100 lbs.

they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter the donkey boiler -
least distance between tank & bulkhead 9" Height of boiler - Width and Length -

Steam Drums: Number in each boiler One Inside diameter 30" Thickness of plates 5/16"

Range of Tensile Strength 54300 lbs. per sq. in. Are drum shell plates welded or flanged Welded Description of riveting: -
seams Fusion Weld long. seams Fusion Weld Diameter of rivet holes in long. seams - Pitch of rivets -

of plate or width of butt straps - Thickness of straps - Percentage strength of long. joint: - Plate 90% Rivet -

Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of shell in way of tubes - Thickness of plates 5/16"

Working pressure by rules - Steam Drum Heads or Ends: Range of tensile strength 50000 min Thickness of plates 5/16"

Radius or how stayed 30" radius Size of manhole or handhole 4-7/8 x 3-1/4 Working pressure by rules - Water Drums: Number -

each boiler - Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates -

ded or flanged - Description of riveting: - Cir. seams - long. seam - Diameter of rivet holes in -

g. seams - Pitch of rivets - Lap of plates or width of butt straps - 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 - Working pressure by rules - Water Drum Heads or Ends: Range of

Tensile strength - Thickness of plates - Radius or how stayed -

ce of manhole or handhole - Working pressure by rules - Headers or Sections: Number -

aterial - Thickness - Tested by Hydraulic Pressure to - Tubes: Diameter -

Thickness - Number - Steam Dome or Collector: Description of Joint to Shell -

side diameter - Thickness of shell plates - Range of tensile strength -

Description of longitudinal joint - Diameter of rivet holes - Pitch of rivets - Lap of plate or width of

It straps - Thickness of straps - Percentage strength of long. joint - Plate - Rivet -

Working Pressure of shell by rules - Crown or End Plates: Range of tensile strength -

Thickness - Radius or how stayed - Working pressure by rules -

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

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

flanged - Description of riveting: - Cir. seams - long. seams - Diameter of rivet holes in

ng. seams - Pitch of rivets - Lap of plates or width of butt straps - 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 - Working pressure by rules - Drum Heads or Ends: -

Thickness - Range of tensile strength - Radius or how stayed - Size of manhole or handhole -

Working pressure by rules - 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 -

The foregoing is a correct description, BETHLEHEM-SPARROWS POINT SHIPYARD, INC. Manufacturer.

Dates Survey Feb. 3rd, March 6th, 1941 Is the approved plan of Tank forwarded herewith No
while During erection on 18th March 1942 Total No. of visits 3
building board vessel - - -

Is this boiler a duplicate of a previous case Yes If so, state vessel's name and report No. "CORSIANA" 7540

GENERAL REMARKS (State quality of workmanship, opinions as to class, etc.) This small air tank for compressed air system has been constructed under special survey and in accordance with the approved plan. The workmanship and material are good. The tank has now been installed on vessel and seen under working conditions.

Survey Fee ... £ 40.00: When applied for, June 2, 19 42
Travelling Expenses (if any) £ 5.00: When received, 19

Wm. B. Cowin Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute NEW YORK JUL 1 1942
Assigned See First Entry Report

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