

REPORT ON WATER TUBE BOILERS

COMPRESSED AIR TANK

No. 8826

18 MAY 1949

Received at London Office

Port of Baltimore, Maryland.

Writing Report 18th March, 1949. When handed in at Local Office 19th April, 1949

Survey held at Baltimore, Maryland.

Date, First Survey 15th December 1948. Last Survey 10th February 1949

on the S.S. "WORLD PEACE"

(Number of Visits 3) Tons { Gross 10892
Net 6539

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

Horse Power 1179

Owners World Tankers Corp. Port belonging to Monrovia

COMPRESSED AIR TANK

MANUFACTURERS OF STEEL BETHLEHEM STEEL CO.,

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
as fitted

Pressure to which they

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 tank

donkey boiler -

Smallest distance between boilers or uptakes and bunkers or woodwork -

Height of tank

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

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 -

pitch 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

each boiler -

Inside Diameter -

Thickness of plates -

Range of tensile strength -

Are drum shell plates

led 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 -

pitch of rivet holes in long. seams -

Pitch of rivets -

Thickness of straps -

Percentage strength of

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 -

adders or Sections: Number -

Material -

Thickness -

Tested by Hydraulic Pressure to -

heads: Diameter -

Thickness -

Number -

Steam Dome or Collector: Description of

at to Shell -

Inside diameter -

Thickness of shell plates -

Range of tensile

strength -

Description of longitudinal joint -

If fusion welded, state name of welding

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

Diameter of rivet holes -

pitch 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 -

UPERHEATER. 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 -

pitch 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

um shell in way of tubes -

Drum Heads or Ends: -

Thickness -

Range of tensile strength -

adius 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

valves -

Pressure to which they are adjusted -

Is easing gear fitted -

pare 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
 15th. December 1948.
 4th. January 1949.
 10th. February 1949.

Is the approved plan of boiler forwarded herewith No

Total No. of visits 3

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

Engineer Surveyor to Lloyd's Register of Shipping.

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