

REPORT ON WATER TUBE BOILERS.

No. 1382

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Report made on 19... When handed in at Local Office... 19...
Survey held at Barberton, Ohio Date, First Survey April 9 Last Survey June 29, 1949
on the Tanker - Hull 574 - Two Main W.T. Boilers S.S. Souac Comet (Number of visits 8) (Gross Tons -) (Net Tons -)
at Chester, Pennsylvania By whom built Sun Shipbuilding and Dry Dock Co. When built -
made at - By whom made - When made -
made at Barberton, Ohio By whom made Babcock & Wilcox Co. When made 1949
horse Power - Owners - Port belonging to -

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Worth Steel Co.
Approval of plan Dec. 28, 1948 Feb. 2, 1949 Number and Description or Type
2 Marine (2) Drum Type Working Pressure 685 psi Tested by Hydraulic Pressure to 1028 psi Date of Test -
Certificate - Can each boiler be worked separately Yes Total Heating Surface of Boilers 2040 " " " 930 sq. ft. each Superheater
draught fitted - Area of fire grate (coal) in each boiler - " " " 7390 " " " Boiler
Type of burners (oil) in each boiler Four (4) Straight Mechanical No. and description of safety valves on
- Area of each set of valves per boiler { per rule - Pressure to which they
as fitted -
Are they fitted with easing gear - In case of donkey boilers state whether steam from main boilers can enter
Smallest distance between boilers or uptakes and bunkers or woodwork - Height of boiler 22'-6"
Length 17'-2" Steam Drums:—Number in each boiler One Inside diameter 46 27/32"
of plates Wrapper 1 3/16" Tube • 3 3/4" Range of Tensile Strength 70,000 minimum Are drum shell plates welded
Welded Yes If fusion welded, state name of welding firm Babcock and Wilcox Co. Have all the requirements of the rules
vessels been complied with Yes Description of riveting:—Cir. seams No Riveting long. seams -
of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
Plate - Rivet - Diameter of tube holes in drum 1 1/4"-2"-3 1/4" Pitch of tube holes 1.75"
strength of shell in way of tubes 27 1/4% Steam Drum Heads or Ends:—Range of tensile strength 70,000 Min.
of plates 1 13/16" Radius or how stayed Radius 6" Size of manhole or handhole 12" x 16" Water Drums:—Number
boiler One Inside Diameter 29 5/8" Thickness of plates Wrap 3/4" Range of tensile strength 70,000 Min. Are drum shell plates
flanged Welded If fusion welded, state name of welding firm See above Have all the requirements of the rules
vessels been complied with Yes Description of riveting:—Cir. seams - long. seam -
of rivet holes in long. seams - Pitch of rivets - Thickness of straps -
strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum 1 1/4"-2"-3 1/4" Pitch of tube holes 1.75"
strength of drum shell in way of tubes 27 1/4% Water Drum Heads or Ends:—Range of Tensile strength 70,000 Min.
of plates Manhead 1 3/16" Blankhead Radius or how stayed Radius 3 3/4" Size of manhole or handhole 12" x 16"
Sections:—Number 2 Rear O.H. Seamless Material Carbon Steel Thickness .875" Tested by Hydraulic Pressure to 1370 psi
Diameter Generating 1.25" Thickness 11 BWG Number 1422
bell Waterwall 2" Thickness 8 BWG Number 71 Steam Dome or Collector:—Description of
bell - Inside diameter - Thickness of shell plates - Range of tensile
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 Yes Diameter of rivet holes -
rivets - Thickness of straps - Percentage strength of long. joint - Plate - Rivet -
End Plates:—Range of tensile strength - Thickness - Radius or how stayed -
RHEATER. Drums or Headers:—Number in each boiler 3 Inside Diameter 5 1/4" square
1.00" Material Carbon steel Range of tensile strength 70,000 Min. Are drum shell plates welded
Seamless If fusion welded, state name of welding firm - Have all the requirements of the rules
vessels been complied with Yes Description of riveting:—Cir. seams - long. seams -
of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of
in way of tubes .310% Drum Heads or Ends:—Thickness - Range of tensile strength -
how stayed - Size of manhole or handhole 3 3/4" x 3 3/8" Number, diameter, and thickness of tubes 148-1 1/4" x .135"
Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which
cut off from the boiler - No. and description of Safety Valves - Area of each set
- Pressure to which they are adjusted - Is easing gear fitted -

Gear. Has the spare gear required by the rules been supplied
MB 4342 Boilers No. land 2

The foregoing is a correct description,

Manufacturer.

During progress of work in shops - - - { April 7, May 11, 27, June 2, 3, 8, 10, 29, 1949 } approved plan of boiler forwarded herewith No
During erection on board vessel - - - { - } Total No. of visits 8

Is it a duplicate of a previous case Yes If so, state vessel's name and report No. Sun Hulls 570 - 576

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The Boiler components consisting of Drums, Superheater, Waterwall and Economizer Headers were built in accordance with approved drawings and a Special Survey during construction by Surveyors to this Society. The workmanship is satisfactory throughout and it is recommended that the Boilers become part of the machinery of a classed vessel with the notation in the Register Book of 2 WTB-685 psi SPT.

When applied for, 19

When received, 19

Philadelphia Surveyors.

Committee's Minute

See First Entry Report attached.

NEW YORK MAR 15 1950

Acting Surveyor to Lloyd's Register

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

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