

## REPORT ON WATER TUBE BOILERS.

No. 52573

13 JUL 1953

Received at London Office.

of writing Report 12 June 1953 When handed in at Local Office 19 Port of NEW YORK  
 in Survey held at Carteret, N. J. Date, First Survey 3 Dec. 1952 Last Survey 21 April 1953  
 Bk. on the Cantieri Riuniti Dell' Adriatico, Trieste, Italy, Hull No. 1777 (Number of Visits.....) {Gross  
 Tons {Net  
 at By whom built When built  
 es made at By whom made When made  
 s made at Carteret, N. J. By whom made Foster Wheeler Corporation When made 1953  
 nal Horse Power Owners Port belonging to

TER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Shells, Lukens, Heads, Claymont & Bethlehem

of Approval of plan April 21, 1952 Number and Description or Type

Boilers 4 Drums only 2 Steam & 2 Water Working Pressure 675 PSI Tested by Hydraulic Pressure to 1013 PSI Date of Test 10.11.27  
 of Certificate B-5098 #1&2 Can each boiler be worked separately - Total Heating Surface of Boilers - & 30 March 1953

ced draught fitted Area of fire grate (coal) in each Boiler

nd type of burners (oil) in each boiler No. and description of safety valves on

boiler Area of each set of valves per boiler {per rule - as fitted - Pressure to which they

adjusted Are they fitted with easing gear In case of donkey boilers state whether steam from main boilers can enter

lonkey boiler Smallest distance between boilers or uptakes and bunkers or woodwork Height of boiler

h and Length Steam Drums:—Number in each boiler One Inside diameter 48"

ness of plates 1 3/16" Wrapper 3 7/16" Tube Range of Tensile Strength 70,000 PSI MIN. Are drum shell plates welded

anged welded If fusion welded, state name of welding firm Foster Wheeler Corp. Have all the requirements of the rules

Class I vessels been complied with Yes Description of riveting: Cir. seams long seams -

eter of rivet holes in long seams Pitch of rivets Thickness of straps Percentage strength of

joint:—Plate Rivet Diameter of tube holes in drum 3.026" Pitch of tube holes 1.875" & 4.5"

ntage strength of shell in way of tubes 31.3 & 54.7 Steam Drum Heads or Ends:—Range of tensile strength 70,000 PSI MIN

ness of plates Plain 1 3/16" Man. 1 1/2" Radius or how stayed Elipsoidal Size of manhole or handhole 12" x 16" Water Drums:—Number

ch boiler One Inside Diameter 30 1/2 Thickness of plates 2 5/16" Range of tensile strength 70,000 PSI MIN. drum shell plates

ed or flanged Welded If fusion welded, state name of welding firm Foster Wheeler Corporation Have all the requirements of the rules

Class I vessels been complied with Yes Description of riveting: Cir. seams long seams -

eter of rivet holes in long seams Pitch of rivets Thickness of straps Percentage strength of

ntage strength of long joint:—Plate Rivet Diameter of tube holes in drum 3.026" Pitch of tube holes 1.875" & 4.5"

ntage strength of drum shell in way of tubes 31.3 & 54.7 Water Drum Heads or Ends:—Range of Tensile strength 70,000 PSI MIN

ness of plates Plain 1 3/16" Man 1 1/2" Radius or how stayed Elipsoidal Size of manhole or handhole 12" x 16"

lers or Sections:—Number Material Thickness Tested by Hydraulic Pressure to

es:—Diameter Thickness Number Steam Dome or Collector:—Description of

to Shell Inside diameter Thickness of shell plates Range of tensile

gth 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

of rivets Thickness of straps Percentage strength of long joint Plate Rivet

vn or End Plates:—Range of tensile strength Thickness Radius or how stayed

PERHEATER. Drums or Headers:—Number in each boiler Inside Diameter

ness Material Range of tensile strength Are drum shell plates welded

anged 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 -

eter 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 Drum Heads or Ends:—Thickness Range of tensile strength

us or how stayed Size of manhole or handhole Number, diameter, and thickness of tubes

d 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

lves Pressure to which they are adjusted Is easing gear fitted

re Gear. Has the spare gear required by the rules been supplied

The foregoing is a correct description,

*[Signature]*

Manufacturer.

tes } During progress of } 3, 4, 11, 12, 15, 23, 30 - Dec. 1952 Is the approved plan of boiler forwarded herewith

urvey } work in shops - - } 2 Jan. 2 Feb. } 1953 Total No. of visits 16

ile } During erection on } 10, 12, 27, 30 March } 1953

ding } board vessel - - - } 3, 17, 21 April

Is boiler a duplicate of a previous case Yes If so, state vessel's name and report No. Hull Nos. 1773 & 1775

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These fusion welded drums have been made and

ted in accordance with the approved Plans and Requirements for Class 1 Fusion Welding and the

manship and materials are good. When the drums have been installed on board Cantieri Riuniti

L No. 1777, according to the Rules and to the satisfaction of the Society and Surveyors, the vessel

Survey Fee £ : : When applied for June 24 1953 will be eligible in our opinion to receive

Travelling Expenses (if any) £ : : When received, 19 the notation of - 2 WTB (SPT) 675 PSI.

See special fee slips attached

Committee's Minute NEW YORK JUN 24 1953

igned Transmit to London See Rpt. Ha.

11462-011473-0047

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