

REPORT ON WATER TUBE BOILERS.

No. 57820

Received at London Office

Date of writing Report Oct. 16, 1953 When handed in at Local Office Oct. 16, 1953 Port of NEW YORK
No. in Survey held at Carteret, N. J. Date, First Survey March 13th Last Survey Sept. 28th 19 53
Reg. Bk. on the Cantieri Riuniti Del Adriatico, Trieste, Italy, Hull No. 1775 (Number of Visits 16) {Gross Tons {
Built at _____ By whom built _____ When built _____
Engines made at _____ By whom made _____ When made _____
Boilers made at Carteret, N. J. By whom made Foster Wheeler Corp. When made 1953
Nominal Horse Power _____ Owners _____ Port belonging to _____

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel SHELLS: Lukens - HEADS: Claymont

Date of Approval of plan April 21, 1952
No. of Boilers 4 Drums only; 2 Steam, 2 Water Working Pressure 675 ✓ Number and Description or Type 1013 ✓
No. of Certificate B-5096 No. 1 & 2 Tested by Hydraulic Pressure to 1013 ✓ Date of Test June 9 & 18
B-5097 No. 1 & 2 Can each boiler be worked separately - Total Heating Surface of Boilers -
forced draught fitted - Area of fire grate (coal) in each Boiler -

No. and description of safety valves on each boiler -
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 -

Width and Length - Steam Drums:—Number in each boiler One ✓ Inside diameter 48" ✓
Thickness of plates 1-3/16" Wrapper: 3-7/16" Tube Range of Tensile Strength 70,000 P.S.I. MIN. Are drum shell plates welded -
flanged 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 -

Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps 1.278" 2.026" ✓ Percentage strength of -
long. joint:—Plate - Rivet - Diameter of tube holes in drum 3.026" ✓ Pitch of tube holes 1.875" 4.5" ✓
Percentage strength of shell in way of tubes 31.3 : 54.7 Steam Drum Heads or Ends:—Range of tensile strength 69,000 PSI MIN

Thickness of plates 1-3/16" Plain 1-13/16" Man. Radius or how stayed Elipsoidal Size of manhole or handhole 12" x 16" ✓ Water Drums:—Number -
each boiler One ✓ Inside Diameter 30-1/2" Thickness of plates 2-5/16" ✓ Range of tensile strength 70,000 PSI MIN Are drum shell plates -
welded or flanged 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. seam -

Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps 1.278" 2.026" ✓ Percentage strength of -
long. joint:—Plate - Rivet - Diameter of tube holes in drum 3.026" ✓ Pitch of tube holes 1.875" 4.5" ✓
Percentage 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

Thickness of plates 13/16" Plain 1-3/16" Man. Radius or how stayed Elipsoidal Size of manhole or handhole 12" x 16" ✓
Readers or Sections:—Number _____ Material _____ Thickness _____ Tested by Hydraulic Pressure to _____
Diameter _____ Thickness _____ Number _____ Steam Dome or Collector:—Description of _____
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 _____ Diameter of rivet holes _____

Thickness of straps _____ Percentage strength of long. joint _____ Plate _____ Rivet _____
Own 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 _____

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 _____
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 _____

Easing Gear. Has the spare gear required by the rules been supplied _____
The foregoing is a correct description, A. E. Keating Manufacturer.

During progress of work in shops - - March 13, 25 June 9, 18 Is the approved plan of boiler forwarded herewith _____
During erection on board vessel - - April 9, 10 July 9, 13, 14 Total No. of visits 16
May 14, 21 Sept. 2, 23, 24, 28

Is boiler a duplicate of a previous case Yes If so, state vessel's name and report No. Hull No. 1773
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These fusion welded drums have been made and
in accordance with the approved Plans and Requirements for Class 1 Fusion Welding and the work-
ship and materials are good. When the drums have been installed on board Cantieri Riuniti Hull No.
according to the Rules and to the satisfaction of the Society's Surveyors, the vessel will be eligible,

Survey Fee C-4389 See LR/RI fee: _____ When applied for, Oct 20 1953 In my opinion, to receive the notation of _____
Travelling Expenses (if any) _____ slips attached. _____ When received, 19 _____
2 WTb (SPT) 675 PSI

Committee's Minute NEW YORK OCT 28 1953
Signed Transmit to London
TUESDAY 14 SEP 1954
D. David Dick
Engineer Surveyor to Lloyd's Register of Shipping
Lloyd's Register Foundation