

REPORT ON WATER TUBE BOILERS.

No. 57814

Received at London Office. 17 NOV 1953

Date of writing Report Oct. 9th, 1953 When handed in at Local Office Oct. 9th 1953 Port of NEW YORK

No. in Survey held at Carteret, N. J. Date, First Survey April 8th Last Survey October 1st 1953

on the Cantieri Navale Riuniti Hull No. 203 "CONCA D'ORO" (Number of Visits 16) Tons {Gross Net

By whom built When built

at Carteret, N. J. By whom made Foster Wheeler Corp. When made 1953

Power Owners Port belonging to

TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Shell:—Lukens, Heads:—Claymont

Approval of plan July 1, 1952 Number and Description or Type

1 Drums Only 2 Steam - 2 Water Working Pressure 675 Tested by Hydraulic Pressure to 1013 Date of Test Aug. 7, Sept. 8, 1953

Specification B-5090 1 & 2 B-5091 1 & 2 Can each boiler be worked separately Total Heating Surface of Boilers

Weight fitted Area of fire grate (coal) in each boiler No. and description of safety valves on

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

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

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

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

Welded If fusion welded, state name of welding firm Foster Wheeler Corporation 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 3.034" Pitch of tube holes 1.875" : 4.5"

strength of shell in way of tubes 31.3 & 54.7 Steam Drum Heads or Ends:—Range of tensile strength 69,000 PSI MIN

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

per One Inside Diameter 30-1/2" Thickness of plates 2-5/16" Range of tensile strength 70,000 PSI Are drum shell plates

welded Welded If fusion welded, state name of welding firm Foster Wheeler Corp. 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 Diameter of tube holes in drum 3.034" Pitch of tube holes 1.875" : 4.5"

strength of long. joint:—Plate Rivet Diameter of tube holes in drum 3.034" Pitch of tube holes 1.875" : 4.5"

strength of drum shell in way of tubes 31.9 : 54.7 Water Drum Heads or Ends:—Range of Tensile strength 70,000 PSI MIN

of plates 13/16" Plain - 1-3/16" Man. Radius or how stayed Elipsoidal Size of manhole or handhole 12" x 16"

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

Diameter Thickness Number Steam Dome or Collector:—Description of

Shell 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

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

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

Material Range of tensile strength Are drum shell plates welded

If fusion welded, state name of welding firm Have all the requirements of the rules

vessels been complied with 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 Drum Heads or Ends:—Thickness Range of tensile strength

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

Hydraulic Pressure to Date of Test Is a safety valve fitted to each section of the superheater which

is 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

The foregoing is a correct description. J. E. Mattingly Manufacturer.

During progress of work in shops April 8, 17, 21, 24, 29 Is the approved plan of boiler forwarded herewith

During erection on board vessel May 13, 18, 27 Sept. 8, 17, 18, 28 Total No. of visits 16

Aug. 7, 18, 31 Oct. 1

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

Requirements of Class 1 Fusion Welding and the workmanship and materials are good. When the drums have been installed in Cantieri Hull No. 203, according to the Rules and to the satisfaction of the Society's Surveyors, the vessel will be eligible, in my opinion, to received the notation of

Survey Fee 9382 See LR/RI fee slips attached When applied for Oct 16 1953 2 WTb (SPT) 675 PSI

Travelling Expenses (if any) When received 19

Committee's Minute NEW YORK OCT 28 1953

Assigned Transmit to London

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