

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) {Gross
 Tons {
 Net
 By whom built _____ When built _____
 By whom made _____ When made _____
 at Carteret, N. J. By whom made Foster Wheeler Corp. When made 1953
 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
 B-5090 1 & 2 Can each boiler be worked separately _____ Total Heating Surface of Boilers _____
 B-5091 1 & 2 Area of fire grate (coal) in each Boiler _____
 Caught fitted _____ No. and description of safety valves on _____
 of burners (oil) in 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

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

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

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 _____

rivet holes in long. seams _____ Pitch of rivets _____ Thickness of straps 1.288" : 2.038" 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

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

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

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 _____

rivet holes in long. seams _____ Pitch of rivets _____ Thickness of straps 1.288" : 2.038" Percentage strength of

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

plates 13/16" Plain - 1-3/16" Man. Radius or how stayed Ellipsoidal 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

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 _____

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

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. Matting 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

Is this boiler a duplicate of a previous case _____

If so, state vessel's name and report No. _____

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

These fusion welded drums have been made and tested in accordance with the approved Plans

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

2-9382

See LR/RI fee

When applied for, Oct 16 1953

2 WTB (SPT) 675 PSI

Travelling Expenses (if any) _____

When received 19

Committee's Minute

Assigned Transmit to London

NEW YORK OCT 28 1953

FRIDAY 17 SEP 1954

Engineer Surveyor to Lloyd's Register of Shipping.

010289-010293-0360