

REPORT ON WATER TUBE BOILERS.

No. 51671

DRUMS

Received at London Office

2-JUN-1952

Writing Report 3 June 1952 When handed in at Local Office 4 June 1952 Port of NEW YORK
 Survey held at CARTERET, N.J. Date, First Survey 8th Feb. 1952 Last Survey 20th May 1952
 on the Kockums Mekaniska Verksted HULL No. 360 (Number of Visits 12) {Gross
 Tons {Net
 By whom built When built
 made at By whom made When made
 made at Carteret, N.J. By whom made Foster Wheeler Corp. When made 1952
 Horse Power Owners North American Shipping & Trading Co. Inc. Port belonging to

ER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Shells: Luckens Ends: Bethlehem Steel Corp.

Approval of plan January 28, 1952 Number and Description or Type
 4 Drums only, 2 steam 2 water Working Pressure 490 P.S.I. Tested by Hydraulic Pressure to 735 P.S.I. Date of Test 17th & 22 Apr. 1952
 Certificate B4893 Nos. 1&2 Can each boiler be worked separately Total Heating Surface of Boilers
 draught fitted Area of fire grate (coal) in each Boiler
 type of burners (oil) 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
 Smallest distance between boilers or uptakes and bunkers or woodwork Height of boiler

Steam Drums:—Number in each boiler One Inside diameter 42"

Range of Tensile Strength 70,000 lbs. min. Are drum shell plates welded

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

Description of riveting:—Cir. seams long. seams

Pitch of rivets Thickness of straps Percentage strength of

Diameter of tube holes in drum 1.278" 2.028" 3.026" of tube holes (2 1/4" 2 3/4")

Steam Drum Heads or Ends:—Range of tensile strength 70,000 lbs. min.

Water Drums:—Number

Are drum shell plates welded

Have all the requirements of the rules

Description of riveting:—Cir. seams long. seam

Pitch of rivets Thickness of straps

Diameter of tube holes in drum 1.278" 2.028" 3.026" Pitch of tube holes (2 1/4" 2 3/4")

Water Drum Heads or Ends:—Range of Tensile strength 70,000 lbs. min.

Size of manhole or handhole 12" x 16"

Tested by Hydraulic Pressure to

Steam Dome or Collector:—Description of

Range of tensile

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

Radius or how stayed

DRHEATER. Drums or Headers:—Number in each boiler

Are drum shell plates welded

Have all the requirements of the rules

Description of riveting:—Cir. seams long. seams

Pitch of rivets Thickness of straps Percentage strength of

Diameter of tube holes in drum Pitch of tube holes Percentage strength of

Drum Heads or Ends:—Thickness Range of tensile strength

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

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

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,

FOSTER WHEELER CORP.

H. E. Keating

Manufacturer.

During progress of 8th, 14th, 21st, 28th Feb. 1952

work in shops 6th March 1952

During erection on 10th, 17th, 22nd & 24th April 1952

board vessel 1st, 12th & 20th May 1952

Is the approved plan of boiler forwarded herewith No

Total No. of visits 12

Is a duplicate of a previous case No 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 and requirements for Class 1 Fusion Welding and

workmanship and materials are good. When the drums have been installed on board Kockums, Malmo,

Hull No. 360 in accordance with the Rules and to the satisfaction of the Surveyor, the

vessel will be eligible in our opinion to receive the notation of 2 WTB(Spt) 490 P.S.I.

When applied for June 18/52

When received 19

NEW YORK JUN 18 1952

Committee's Minute

Transmit to London

FRIDAY 15 JAN 1954

See Rpt. 4a (Mmo)

Engineer Surveyors to Lloyd's Register of Shipping.

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