

## REPORT ON WATER TUBE BOILERS. No. 592

Received at London Office 8 FEB 1957

of writing Report 7-1 1957 When handed in at Local Office 24-1 1957 Port of NANTES  
 in Survey held at SAINT NAZAIRE Date, First Survey 28-7-55 Last Survey 11-1 1957  
 Book. (Number of Visits 17) Gross 33705 Tons  
 on the SINGLE SCREW S/T "GEORGE F. GETTY"  
 at SAINT NAZAIRE By whom built CH. DEL'ATLANTIQUE (PENHOET) Yard No. B.17 When built 1-1957  
 lines made at id By whom made id Engine No. B.17 When made 1956  
 ers made at id By whom made id Boiler No. 1904-1905 When made 1956  
 for Register Book 25780 Sq Ft Owners TIDE WATER ASSOCIATED OIL COMPANY Port belonging to MONROVIA

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel PLATES: MARREL FRERES TUBES: T. EXPORT LTD. BIRMINGHAM

Boilers 2 WATER TUBE FOSTER WHEELER TYPE Working Pressure 49.300 Tested by Hydraulic Pressure to 77K No. and Description or Type  
 of Certificate 1904 Can each boiler be worked separately yea Total Heating Surface of Boilers 2x8390 Sq Ft Date of Test 17-5-56  
 f Economisers 2x3110 Sq Ft Is forced draught fitted yea Area of Fire Grate (coal) in each Boiler 2x1390 Sq Ft Superheaters 2x1390 Sq Ft

and type of burners (oil) in each boiler 4 TODD EXPRESS MODEL 16 No. and description of safety valves on

h boiler TWO CROSBY FULL BORE TYPE Area of each set of valves per boiler { per rule as fitted 2x1.8385 Sq in Pressure to which they

adjusted 48.5-49.2 Are they fitted with easing gear yea In case of donkey boilers state whether steam from main boilers can enter

donkey boiler Smallest distance between boilers or uptakes and bunkers or woodwork Height of boiler 8.152 m

th and length 5.943 x 5.1 Steam Drums:—Number in each boiler ONE Inside diameter R=582.6 mm

ckness of plates 85.7 & 31.7 mm Range of tensile strength AS PLAN Are drum shell plates welded

anged WELDED If fusion welded, state name of welding firm CH. DEL'ATLANTIQUE (PENHOET) Have all the requirements of the Rules

Class I vessels been complied with yea Description of riveting:—Circ. seams long. seams

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

g. joint:—Plate Rivet Diameter of tube holes in drum 76.9-51.5-32.5 Pitch of tube holes AS PLAN

centage strength of shell in way of tubes MIN 31.7 Steam Drum Heads or Ends:—Range of tensile strength AS PLAN

ckness of plates 32 & 42 mm Radius or how stayed ELLIPTICAL Size of manhole or handhole 400 x 300 Water Drums:—Number

each boiler ONE Inside diameter R 428.6 400 Thickness of plates 22.2-57.1 Range of tensile strength AS PLAN Are drum shell plates

ded or flanged WELDED If fusion welded, state name of welding firm CH. DEL'ATLANTIQUE Have all the requirements of the Rules

Class I vessels been complied with yea Description of riveting:—Circ. seams long. seams

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

centage strength of long. joint:—Plate Rivet Diameter of tube holes in drum 76.9-51.5-32.5 Pitch of tube holes AS PLAN

centage strength of drum shell in way of tubes MIN 31.7 Water Drum Heads or Ends:—Range of tensile strength AS PLAN

ckness of plates 21 & 32 mm Radius or how stayed ELLIPTICAL Size of manhole or handhole 300 x 400

iders or Sections:—Number 3 Material CARBON STEEL Thickness 25 mm Tested by hydraulic pressure to 98K 420

rs:—Diameter 31.75-50.8-76.2 Thickness 4.19-3.04-5.1 Number 143-1542-16 Steam Dome or Collector:—Description of

it to shell Inside diameter Thickness of shell plates Range of tensile

ngth Description of longitudinal joint If fusion welded, state name of welding

CH. DEL'ATLANTIQUE Have all the requirements for the Rules for Class I vessels been complied with yea Diameter of rivet holes

h of rivets Thickness of straps Percentage strength of long. joint plate rivet

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

PERHEATER, Drums or Headers:—Number in each boiler ONE Inside diameter 197 mm

ckness 38 mm Material CHRM. & CARB. STEEL Range of tensile strength AS PLAN Are drum shell plates welded

anged SOLID DRAWN If fusion welded, state name of welding firm CH. DEL'ATLANTIQUE Have all the requirements of the Rules

Class I vessels been complied with yea Description of riveting:—Circ. seams long. seams

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

joint:—Plate Rivet Diameter of tube holes in drum 32.25 Pitch of tube holes AS PLAN Percentage strength of

n shell in way of tubes 27.5 Drum Heads or Ends:—ENDS Thickness 34 & 40 Range of tensile strength AS PLAN

us or how stayed FLAT Size of manhole or handhole 96.5 x 32.25 Number, diameter, and thickness of tubes 207-31.75-3.04

ed by hydraulic pressure to 98K Date of test 17-24-5-56 Is a safety valve fitted to each section of the superheater which

be shut off from the boiler yea No. and description of safety valves ONE CROSBY FULL BORE TYPE Area of each set

alves 1x1.2868 Sq in Pressure to which they are adjusted PT 43.6 620 Is easing gear fitted yea

at the Gear. Has the spare gear required by the Rules been supplied yea 620 The foregoing is a correct description, Manufacturer.

Is the approved plan of boiler forwarded herewith.

During progress of work in shops 1955: 28/7-5/8-9/11-1956: 16/1-27/2-17/5-24/5-13/6 Total No. of visits 17

During erection on board vessel 1956: 7/8-13/8-26/11-12/12-1957: 3/1-7/1-19/1-11/1

Is 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, etc.) These boilers have been constructed under Special

vey in accordance with approved plans, Secretary's letters & Rule requirements. The quality of material &

workmanship is good. The boilers have satisfactory installed on board & examined under full working conditions

boilers are in my opinion, eligible to be classed as part of the machinery with the notation +LMC

Survey Fee ... £ 307 : 400 : When applied for 19

Travelling Expenses (if any) £ 7 : 300 : When received 19

for class I 40 : 000

Date FRIDAY 22 MAR 1957

Committee's note See Rpt. 1

Engineer Surveyor to Lloyd's Register of Shipping.

See back of this Rpt about S.V.s

8610-565510-885510



New York ltr. of approval dated 3/8/55 to Foster  
Wheeler Corp. asked for two J type SVs to  
be fitted to Superheat line instead of one H type  
as proposed, in order to increase the aggregate area.

The valves proposed were: -

On Drum

Two 2" J 3" HN-MS-35  
Every full one

On Spt

one 1 1/2" H 3" HNA-MS-37  
ditto

The valves now reported are two K type on  
drum and one J type on spt and their  
aggregate area is sufficient

R

5/3/57.



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