

REPORT ON WATER TUBE BOILERS.

No. 8723

16 FEB 1949

Received at London Office.

Writing Report 31 Dec 1948 When handed in at Local Office 31 Dec 1948 Port of Baltimore, Maryland

Survey held at Baltimore, Maryland Date, First Survey 16th July Last Survey 16th November 1948

(Number of Visits 7) Tons { Gross 10901
Net 6549

on the SS "OLYMPIC GAMES"

Sparrows Point, Maryland By whom built Bethlehem Sparrows Point Shipyard, Inc. When built 1948

made at Lester, Pennsylvania By whom made Westinghouse When made 1945

made at Carteret, N. J. By whom made Foster Wheeler When made 1945

al Horse Power 1029 Owners Sociedad Industrial Maritima Financiera Port belonging to Puerto Cortez
Ariona Panama S.P.

WATER TUBE BOILERS—MAIN, ~~AUXILIARY~~ OR DONKEY—Manufacturers of Steel Lukins

Approval of plan ABS July 1945 - N.Y. 430-316 N and NY 430-3246 Number and Description or Type

Quantities Two - Cross Sect. Straight Tube Working Pressure 525 Tested by Hydraulic Pressure to 788 Date of Test 16th July, 1948

Certificate AB-NY 133-249-15 Can each boiler be worked separately Yes Total Heating Surface of Boilers 4215 each boiler + 1438 sq. ft.

ed draught fitted Yes Area of fire grate (coal) in each Boiler None + 687 sq. ft. Total heating surface 11242 sq. ft.

ed type of burners (oil) in each boiler 3-Todd-Hex-Press No. and description of safety valves on

Consolidated boiler one-2" Duplex Type 1426-High Lift Area of each set of valves per boiler { per rule 9.7 sq. in.
as fitted 6.2832 sq. in. + 5 ft. Pressure to which they

Adjusted 523 & 525 P.S.I. Are they fitted with easing gear Yes 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 8'-0" Height of boiler 21'-3"

and Length 10'-9 3/4" x 18'-3" Steam Drums:—Number in each boiler one Inside diameter 42"

ness of plates 13/16" + 1 1/16" Range of Tensile Strength 70,000 Are drum shell plates welded

nged fusion 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 A.B.S. Requirements Description of riveting:—Cir. seams - long. seams -

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

joint:—Plate - Rivet - Diameter of tube holes in drum 4", 4 1/32", 4 1/8" Pitch of tube holes 78 in plan

ntage strength of shell in way of tubes - Steam Drum Heads or Ends:—Range of tensile strength 70,000

ness of plates 1 1/2" Min. Radius or how stayed Ellipsoidal Size of manhole or handhole 12" X 16" Water Drums:—Number

ch boiler - Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates

ed or 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. seam -

eter of rivet holes in long. seams - Pitch of rivets - Thickness of straps -

ntage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

ntage strength of drum shell in way of tubes - Water Drum Heads or Ends:—Range of Tensile strength None

ness of plates - Radius or how stayed - Size of manhole or handhole -

ders or Sections:—Number 12 Material - Thickness - Tested by Hydraulic Pressure to -

es:—Diameter 1 1/2", 2", 3", 4 1/8" Thickness BWG 12, 10, 4 & 5 Number 1 1/2" = 936 3"-4 Steam Dome or Collector:—Description of

to Shell - Inside diameter - Thickness of shell plates - Range of tensile

ngth - 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 -

1. b of rivets - Thickness of straps - Percentage strength of long. joint - Plate - Rivet -

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

PERHEATER, ~~Drum~~ or Headers:—Number in each boiler Two Inside Diameter 6" X 6"

keness 1.125" Material C.S. Range of tensile strength 70,000 Are drum shell plates welded

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

Class I vessels been complied with Yes Description of riveting:—Cir. 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 - Pitch of tube holes - Percentage strength of

m shell in way of tubes - Drum Heads or Ends:—None Thickness - Range of tensile strength -

ius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes 12" φ x 12 BWG in plan

Tested by Hydraulic Pressure to - 788 Date of Test 16th July, 1948 Is a safety valve fitted to each section of the superheater which

a be shut off from the boiler (Yes) No. and description of Safety Valves one-1 1/2" Type 1415 High Lift- Consolidated Area of each set

valves 1.7671 sq. in. Pressure to which they are adjusted 473 P.S.I. Is easing gear fitted Yes

are Gear. Has the spare gear required by the rules been supplied Yes

ese boilers were intended for a Fairfield Victory ship which was

needed at the termination of the war in 1945.

The foregoing is a correct description,

Manufacturer.

Dates { During progress of { 16th July
Survey { work on ship { 25th & 30 August } 1948
in { During erection on { 2 & 15th September }
vessel { board vessel - - - { 13 & 16th November }
ilding

Is the approved plan of boiler forwarded herewith No Yes

Total No. of visits 7

his boiler 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 boilers FW 2808 (std) & F.W. 2807 (port)

were built to the Rules and Requirements of the American Bureau of Shipping. They were hydraulically tested in

place on board vessel with all fittings and piping and examined under steam working conditions. The material and

workmanship throughout are good and appear worthy to be classed and receive the notation 2W.T. Boilers, 525 lbs. F.D.

Survey Fee Arranged £ 150.00 : When applied for, 17-1-1949 in the Register Book.

Travelling Expenses (if any) /£ 21.00 : When received, 19

Committee's Minute NEW YORK JAN 19 1949

Assigned 2 W.T.B. (SPT) 525 lbs.

Engineer Surveyor to Lloyd's Register of Shipping.

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