

REPORT ON WATER TUBE BOILERS.

Received at London Office

5 JUN 1950

Writing Report March 31st 1950 When handed in at Local Office 1950 Port of Jacksonville, Fla.

Survey held at Jacksonville, Fla. Date, First Survey October 6th 1949 Last Survey March 8th 1950

on the S.S. "ATHELING" ex H.M.S. "ATHELING" (Number of Visits 105) Tons {Gross 8089 Net 4529

Tacoma, Washington. By whom built Seattle Tacoma Shipbuilding Corp. When built 1943

made at Milwaukee, Wis. By whom made Allis Chalmers, Co. When made 1942

made at Carteret, N.J. By whom made Foster Wheeler Corp. Nos. 812 & 813 When made 1942

Horse Power 1488 Owners Achille Lauro Co. Port belonging to Genoa

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY—Manufacturers of Steel Bethlehem Steel Corp.

Approval of plan 23rd October 1947 for "REMPANG" (Rpt 2337) MOBILE Number and Description or Type
Boilers 2-Foster Wheeler Type "D" Marine, 812 & Working Pressure 525 Lbs. Tested by Hydraulic Pressure to 788 Lbs. Date of Test Feb. 16-1950

Certificate Can each boiler be worked separately Yes Total Heating Surface of Boilers 15424 Sq. Ft.

draught fitted Yes Area of fire grate (coal) in each Boiler -

type of burners (oil) in each boiler Four Todd variable capacity No. and description of safety valves on

per 2 - 2 1/2" Crosby H.N.A. - 2 Area of each set of valves per boiler {per rule as fitted 9.816 Sq. Inches. Pressure to which they

tested 520 & 522 Lbs. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter

key boiler - Smallest distance between boilers or uptakes and bunkers or woodwork 50" Height of boiler 21'-05/8"

and Length 18'-4 1/8" x 14'-5 1/16" Steam Drums: Number in each boiler One Inside diameter 42"

ss of plates 1 19/32" Range of Tensile Strength 65,000 Lbs. Are drum shell plates welded

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 A.B.S. & U.S.C.G. Description of riveting: Cir. seams long seams

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

oint: Plate Rivet Diameter of tube holes in drum 2-1/32" & 1-9/32" Pitch of tube holes 4 1/2", 2-3/4", 2-1/4"

age strength of shell in way of tubes 54.8 & 48.7 Steam Drum Heads or Ends: Range of tensile strength 65,000 Lbs.

ss of plates 1-11/32" & 7/8" Radius or how stayed Ellipsoidal Size of manhole or handhole 12" & 16" Water Drums: Number

boiler One Inside Diameter 32" Thickness of plates 1-7/32" Range of tensile strength 65,000 Lbs. Are drum shell plates

or flanged 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 A.B.S. & U.S.C.G. Description of riveting: Cir. seams long seam

er of rivet holes in long seams Pitch of rivets Thickness of straps

age strength of long joint: Plate Rivet Diameter of tube holes in drum 2-1/32" & 1-9/32" Pitch of tube holes 4 1/2", 2-3/4", 2-1/4"

age strength of drum shell in way of tubes 54.8 & 48.7 Water Drum Heads or Ends: Range of Tensile strength 65,000 Lbs.

ss of plates 1-1/32" & 2 1/32" Radius or how stayed Ellipsoidal Size of manhole or handhole 12" & 16"

rs or Sections: Number Three Material Seamless Steel Thickness 7/8" Tested by Hydraulic Pressure to 788 Lbs.

Diameter 2" & 1-1/4" Thickness 10 & 12 B.W.G. 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

f rivets Thickness of straps Percentage strength of long joint Plate Rivet

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

ERHEATER. Headers: Number in each boiler Two Inside Diameter 8-1/4" Square

ss 1-1/8" Material Seamless Steel Range of tensile strength 65,000 Lbs. Are drum shell plates welded

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

Class I vessels been complied with A.B.S. & USCG Description of riveting: Cir. seams long seams

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

oint: Plate Rivet Diameter of tube holes in drum Pitch of tube holes 2-1/8" Percentage strength of

bell in way of tubes Drum Heads or Ends: Thickness Range of tensile strength

er how stayed Size of manhole or handhole Number, diameter, and thickness of tubes 1-1/4" x 10 B.W.G.

in by Hydraulic Pressure to 788 Lbs. Date of Test February 16th 1950 Is a safety valve fitted to each section of the superheater which

shut off from the boiler Yes No. and description of Safety Valves One 1 1/2" Crosby HNA -2 Area of each set

es 1.767 Sq. Ins. Pressure to which they are adjusted 473 Lbs. Is easing gear fitted Yes

2 Gear. Has the spare gear required by the rules been supplied 12 Tube Stoppers - No other Spares furnished.

H.S. Pl. = 4110 - Total p. Rep. BA = 14016 sq. ft.

1/2" = 1113 -

1/2" = 3570 -

The foregoing is a correct description,

Manufacturer.

ey } During progress of work in shops - - None Is the approved plan of boiler forwarded herewith No
g } During erection on board vessel - - Boilers in vessel, on arrival here Total No. of visits -

boiler a duplicate of a previous case Yes If so, state vessel's name and report No. -

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The Boilers with Superheaters, Economizers, Mountings, & Fastenings have been examined throughout & under Hydraulic Pressure & full working conditions, Safety Valves tested. Boilers built & installed under A.B.S. & U.S.C.G. survey, in my opinion the material & workmanship & installation good & suitable to be classed with the Machinery Record of LMC.2,50, with the approval of the Committee.

vey Fee £ Entered on: When applied for, 19
Rpt. 9.
vellling Expenses (if any) £ : : When received, 19

nittee's Minute NEW YORK MAY 31 1950
ned 2 WT8 - 525 lbs. sq. in. (Sht. 473 lbs. sq. in.)

