

REPORT ON WATER TUBE BOILERS.

No. 11679

Received at London Office

Date of writing Report July 13, 1959 When handed in at Local Office July 13 1959 Port of Baltimore, Md.
 No. in Survey held at Baltimore, Md. Date, First Survey June 10 Last Survey June 24, 1959
 (Number of Visits 1) Gross Tons 5188 Net Tons
 on the M.S. "HEDDA DAN" When built 1944
 Built at Beaumont, Texas By whom built Pennsylvania Shipyards, Inc. When made 1944
 Engines made at Milwaukee, Wis. By whom made Nordberg Manf. Corp. When made 1944
 Boilers made at Danville, N.Y. By whom made Foster Wheeler Corp. When made 1944
 Nominal Horse Power 951 Owners J. Lauritzen, Copenhagen Port belonging to Esberg

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

Date of Approval of plan - Working Pressure 65 lbs Tested by Hydraulic Pressure to 400 lbs Date of Test 27-10-44
 Boilers one cross drum straight tube Number and Description or Type
 No. of Certificate American Bureau Can each boiler be worked separately yes Total Heating Surface of Boilers 761 sq. ft.
 forced draught fitted yes Area of fire grate (coal) in each Boiler oil fired
 No. and type of burners (oil) in each boiler one Calorex Type R, Manually operated No. and description of safety valves on
 each boiler two 2 1/2" Dia. Crosby Spring Loaded Area of each set of valves per boiler { per rule - as fitted 9.8 sq. ins. Pressure to which they
 are adjusted - Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter
 the donkey boiler yes Smallest distance between boilers or uptakes and bunkers or woodwork no wood work Height of boiler 13' 9 1/2"
 Width and Length 4' 7 1/16" x 10' 8" Steam Drums:—Number in each boiler one Inside diameter 36"
 Thickness of plates 11/16", 21/32" x 17/32" Range of Tensile Strength 65,000 lbs Min. Are drum shell plates welded
 or flanged welded If fusion welded, state name of welding firm Wyatt Man. & Boiler Co. Have all the requirements of the rules
 for Class I vessels been complied with ABS & USCG Description of riveting:—Cir. seams - long seams -
 Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 long. joint:—Plate - Rivet - Diameter of tube holes in drum 1 1/32" Pitch of tube holes 7"
 Percentage strength of shell in way of tubes - Steam Drum Heads or Ends:—Range of tensile strength 65,000 lbs min
 Thickness of plates 11/16" Radius or how stayed Ellissodial Size of manhole or handhole 12" x 16" Water Drums:—Number
 in each boiler - Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates
 welded or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules
 for Class I vessels been complied with - Description of riveting:—Cir. seams - long seam -
 Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps -
 Percentage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -
 Percentage strength of drum shell in way of tubes - Water Drum Heads or Ends:—Range of Tensile strength -
 Thickness of plates - Radius or how stayed - Size of manhole or handhole -
 Headers or Sections:—Number 5 & 5 Material steel Thickness 5/8" walls 6 7/8" sq. Tested by Hydraulic Pressure to 400 lbs
 Tubes:—Diameter 1 1/4" OD & 1" OD Thickness 12 gauge 9 gauge Number 240.5 Steam Dome or Collector:—Description of
 joint to shell - Inside diameter - Thickness of shell plates - Range of tensile
 strength - Description of longitudinal joint - If fusion welded, state name of welding
 firm - Have all the requirements of the rules for Class I vessels been complied with - Diameter of rivet holes -
 Pitch of rivets - Thickness of straps - Percentage strength of long. joint - Plate - Rivet -
 Crown or End Plates:—Range of tensile strength - Thickness - Radius or how stayed -
 SUPERHEATER. Drums or Headers:—Number in each boiler - Inside Diameter -
 Thickness - Material - Range of tensile strength - Are drum shell plates welded
 or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules
 for Class I vessels been complied with - Description of riveting:—Cir. seams - long seams -
 Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of
 drum shell in way of tubes - Drum Heads or Ends:—Thickness - Range of tensile strength -
 Radius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -
 Tested by Hydraulic Pressure to - Date of Test - Is a safety valve fitted to each section of the superheater which
 can be shut off from the boiler - No. and description of Safety Valves - Area of each set
 of valves - Pressure to which they are adjusted - Is easing gear fitted -
 Spare Gear. Has the spare gear required by the rules been supplied. yes

The foregoing is a correct description,

Manufacturer.

Dates of Survey } During progress of work in shops - - } American Bureau & USCG Is the approved plan of boiler forwarded herewith -
 while } During erection on board vessel - - } Total No. of visits -
 building } }
 Is this boiler a duplicate of a previous case yes If so, state vessel's name and report No. "GERDA DAN", "PAULA DAN", "MARNA DAN", "TENNA DAN"

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This water tube boiler designed and partly constructed
 by Foster Wheeler Corp. was constructed under Special Survey by American Bureau and USCG, now examined internally. The
 boilers and machinery of this vessel are in good condition and eligible in my opinion to be classed with this Society
 with record 2 WTDB 65 lbs with record of DBS 6.59, subject to boiler being re-tubed by September 1959 (3 mos. limit).
 Survey Fee £ 9/20 00 When applied for, 19
 Travelling Expenses (if any) £ : : When received, 19

Committee's Minute Assigned 2 WTDB 65 lbs.

