

REPORT ON WATER TUBE BOILERS.

Received at London Office.

Date of writing Report July 13, 1959 When handed in at Local Office July 13, 19 59 Port of Baltimore, Maryland
 No. in Survey held at Baltimore, Maryland Date, First Survey June 10 Last Survey June 24, 19 59
 on the M.S. "HEDDA DAN" (Number of Visits 4) Tons {Gross 5188
 {Net 1944
 Built at Beaumont, Texas By whom built Pennsylvania Shipyard, Inc. When built 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 Design 2076 Number and Description or Type
 of Boilers one cross drum straight tube Working Pressure 65 lbs Tested by Hydraulic Pressure to 300 lbs Date of Test 27-10-44
 No. of Certificate American Bureau Can each boiler be worked separately yes Total Heating Surface of Boilers 1440 sq. ft.
 Forced draught fitted waste heat Area of fire grate (coal) in each Boiler waste heat
 No. and type of burners (oil) in each boiler not fitted with burners No. and description of safety valves on
 each boiler two 1 1/2" dia. Crosby Spring Loaded Area of each set of valves per boiler {per rule
 {as fitted 3.5 sq. in. 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 - Smallest distance between boilers or uptakes and bunkers or woodwork no woodwork Height of boiler 13' 9 1/2"
 Width and Length 4' 7 5/8" x 10' 8" Steam Drums:—Number in each boiler one Inside diameter 36"
 Thickness of plates 11/16" 21/32" 12/32" 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 Manf. & Boiler Co. Have all the requirements of the rules
 for Class I vessels been complied with U.S.C.G. 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 3 1/32" Pitch of tube holes 4 7/8"
 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 Ellisodial 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 one Material steel Thickness 7/16" x 6 5/8" OD Tested by Hydraulic Pressure to
 Tubes:—Diameter 2" OD Thickness 9 gauge Number 64 gridded 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 } American Bureau & U.S.C.G. Is the approved plan of boiler forwarded herewith -
 while } work in shops - - } Total No. of visits -
 building } During erection on } board vessel - - }

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 waste heat water tube boiler designed and partly constructed by Foster Wheeler Corp. was constructed under
 Special Survey of American Bureau & U.S.C.G. 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 2WTDB 65 lbs, with record of
 DBS 6.59 when the boilers has been examined under steam and safety valves adjusted under steam.
 Survey Fee £ When applied for, 19
 Travelling Expenses (if any) £ : : } When received, 19

Committee's Minute _____
 Assigned NEW YORK JUL 15 1959
See FE Rpt. 5c. Bae. 11679
 Engineer Surveyor to Lloyd's Register of Shipping.
 Lloyd's Register Foundation
 012925-012932-0127