

REPORT ON WATER TUBE BOILERS.

No. 11353

Received at London Office.

Writing Report Dec. 18th. 1957 When handed in at Local Office 24/3/1958 Port of Baltimore, Maryland
 Survey held at Baltimore Date, First Survey Oct. 21st. 1957 Last Survey Nov. 25th. 1957
 on the S.S. "GULFQUEEN" (Number of Visits 4) Gross 20,466 Tons Net 12,851
 Sparrows Point Maryland By whom built Bethlehem Sparrows Pt. Shipyard, Inc. When built 1957
 made at Quincy, Mass. By whom made Bethlehem Steel Co. When made 1957
 made at Mountaintop, Pa. By whom made Forster Wheeler Corp. When made 1957
 Horse Power 3000 Owners Black Steamships, Inc. Port belonging to Wilmington, Del.

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Bethlehem Steel Co.
 Approval of plan June 8th. 1956
 Boilers I, LP Steam Generator Working Pressure Tubes 125 PSI Shell 125 PSI Tested by Hydraulic Pressure to Tubes 800 PSI Date of Test Nov. 5, 1957
 Certificate Can each boiler be worked separately Total Heating Surface of Boilers 460 SQ. Ft.
 draught fitted Area of fire grate (coal) in each Boiler
 type of burners (oil) in each boiler No. and description of safety valves on
 boiler 2 4" Relief Valves Area of each set of valves per boiler {per rule - as fitted 25.12 Sq. Ins. Pressure to which they
 adjusted 125 lbs. 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 Height of boiler
 and Length 7' 7 1/4" X 16' 3 1/2" Steam Drums:—Number in each boiler One Inside diameter 4' 5"
 thickness of plates 1/2" Range of Tensile Strength 55,000 - 65,000 lbs. Are drum shell plates welded
 welded If fusion welded, state name of welding firm Bethlehem Steel Co. Have all the requirements of the rules
 Class I vessels been complied with Yes Description of riveting:—Cir. seams long. seams
 number 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
 range strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength 55,000 to 65,000 lbs.
 thickness of plates Ford 5/8" Radius or how stayed 48" Radius Size of manhole or handhole 12" X 16" Water Drums:—Number
 in boiler Inside Diameter Thickness of plates Range of tensile strength Are drum shell plates
 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
 number of rivet holes in long. seams Pitch of rivets Thickness of straps
 range strength of long. joint:—Plate Rivet Diameter of tube holes in drum Pitch of tube holes
 range 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
 Plates or Sections:—Number Material Thickness Tested by Hydraulic Pressure to
 :—Diameter OD. 1" Thickness .072" Number 147 Tube Nest
 Shell Inside Tube Plate Inside diameter 2' 5 9/16" Thickness of shell plates I.S. Tube Plate 2 3/8" Range of tensile
 strength 55,000 to 65,000 lbs. 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
 of rivets Thickness of straps Percentage strength of long. joint Plate Rivet
 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
 welded 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. seams
 number 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
 shell in way of tubes Drum Heads or Ends:—Thickness Range of tensile strength
 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
 shut off from the boiler. No. and description of Safety Valves Area of each set
 valves Pressure to which they are adjusted Is easing gear fitted
 Easing Gear. Has the spare gear required by the rules been supplied

The foregoing is a correct description,

Manufacturer.

During progress of work in shops - - - - - Is the approved plan of boiler forwarded herewith No.
 During erection on board vessel - - - - - Oct. 21th, 24th, Nov. 5th, 25th. Total No. of visits 4

boiler a duplicate of a previous case Yes. If so, state vessel's name and report No. "GULFKING" RPT No 11295

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This steam Generator is a two pass shell & tube
 with submerged tubes forming the heating surface, shell, heads tube plates, & Baffles—Steel, Tubes—Copper Nickel,
 Nest—Cast Steel, This unit was built in accordance with approved plans, but inspection at place of manufacture
 carried out by ABS & USGG. whose certificates have been examined & markings verified. The unit was opened out for
 on & Hydraulically tested prior to installation, the materials & workmanship are considered good.

Survey Fee £175.00 When applied for, 25/3/1958
 Travelling Expenses (if any) £ : : When received, 19

Committee's Minute NEW YORK APR 30 1958
 signed See Bag. 11353. F.E. Report

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation