

# REPORT ON WATER TUBE BOILERS.

No. 11353

19 MAY 1958

Received at London Office

Writing Report Dec. 17th. 1957 When handed in at Local Office Mar. 24. 1958 Port of Baltimore, Maryland  
 Survey held at Sparrows Point Maryland Date, First Survey 12 June, 1957 Last Survey Dec. 17th. 1957  
 on the S.S. "GULFQUEEN" (Number of Visits 4) Tons { Gross 20,466  
 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 October 3rd, 1948 Number and Description or Type  
 1-30 Cu. Ft. Capacity Compressed Air Working Pressure 125 PSI Tested by Hydraulic Pressure to 250 PSI Date of Test 5th July, 1957

Certificate - Can each boiler be worked separately - Total Heating Surface of Boilers -

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 One 1/2" Relief Valve Area of each set of valves per boiler { per rule - as fitted .196 SQ INS" Pressure to which they

tested 125 PSI. 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 5' 3 5/8" Steam Drums:—Number in each boiler One Inside diameter 35 1/4"

thickness of plates 3/8" Range of Tensile Strength 55,000-65,000 Lbs. Are drum shell plates welded

Welded If fusion welded, state name of welding firm Bethlehem Sparrows Pt. Shipyard, Inc. Have all the requirements of the rules

for 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 - Steam Drum Heads or Ends:—Range of tensile strength 55,000-65,000 lbs.

thickness of plates 3/8" Radius or how stayed 36" Radius Size of manhole or handhole 5" Flanged Pipe Opening 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

for 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 -

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 -

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

Diameter - Thickness - 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 -

number 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 of plates - 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

for 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

is 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 -

Gear. Has the spare gear required by the rules been supplied -

The foregoing is a correct description,

Manufacturer.

During progress of work in shops - 12th. June, 28 June Is the approved plan of boiler forwarded herewith No  
 During erection on board vessel - 5th. July, Dec. 17th. Total No. of visits 4

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This unfired pressure vessel for ships service

compressed Air System has been constructed in accordance with the approved plans- Hydrostatically tested & examined

under working conditions aboard vessel. The material & workmanship throughout are good.

Survey Fee £ : : When applied for, 19  
 Selling Expenses (if any) £ : : When received, 19

Committee's Minute See Bue. 11353 F.E. Report

Approved

NEW YORK

APR 30 1958

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation