

REPORT ON WATER TUBE BOILERS.

No. 7418

FEB - 9 1938

Received at London Office

Date of writing Report 4th Jan 1938 When handed in at Local Office 6th Jan 1938 Port of Philadelphia
 No. in Survey held at Chester Pa. Contract No Date, First Survey 2nd June Last Survey 21 Dec 1937
 Reg. Bk. on the SS M Y. RHODE ISLAND. (Number of Visits 19) Tons { Gross 8562 Net 5070
 Master Chester Pa Built at Chester Pa By whom built Fun Ship Bldg Co When built 1937
 Engines made at Chester Pa By whom made " " " When made "
 Boilers made at Chester Pa By whom made Foster Wheeler Corporation When made "
 Registered Horse Power 4800 Owners The Texas Co Port belonging to Wilmington Del.

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Lukens Steel Co
 (Letter for Record S) Date of Approval of plan 3 March 1937 Number and Description or Type
 of Boilers 1 Water tube Exhaust gas fired only Working Pressure 227 lb Tested by Hydraulic Pressure to 341 Date of Test 20 Sept
 No. of Certificate 715 Can each boiler be worked separately No Total Heating Surface of Boilers 1872 sq ft
 Is forced draught fitted No Area of fire grate (coal) in each Boiler 1.77 sq ft Total grate area of boilers in vessel including
 Main and Auxiliary 2 Spring loaded No. and type of burners (oil) in each boiler Exhaust gas fired No and description of safety valves on
 each boiler 2 Area of each valve 1.77 sq ft Pressure to which they are adjusted 227 lbs
 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 30" Height of Boiler 10'-11 3/4" Width and Length 11'-11 3/4" 9'-10"-11"
 Steam Drums:—Number in each boiler 1 Inside diameter 30" Material of plates Steel Thickness 7/16"
 Range of Tensile Strength 65-75000 lb Are drum shell plates welded or flanged Fusion Welded Description of riveting:—
 Cir. seams Fusion Welded Long. seams Fusion Welded Diameter of rivet holes in long. seams 90% allowed Pitch of Rivets
 Lap of plate or width of butt straps Butt joint Thickness of straps 9/16" Percentage strength of long. joint:—Plate 90% allowed Rivet
 Diameter of tube holes in drum 2 1/32" Pitch of tube holes 4 7/8" Percentage strength of shell in way of tubes 58.4%
 If Drum has a flat side state method of staying No flat side Depth and thickness of girders at centre
 (if fitted) Distance apart 9/16" 7/16" Number and pitch of stays in each 30" 1/2" Working pressure
 by rules Steel Thickness 9/16" 7/16" Radius or how stayed 30" 1/2"
 Size of Manhole or Handhole 12" X 16" Water Drums:—Number in each boiler None Inside Diameter None
 Material of plates None Thickness None Range of tensile strength None Are drum shell plates welded
 or flanged None Description of riveting:—Cir. seams None long. seams None Diameter of Rivet Holes in
 long. seams None Pitch of rivets None Lap of plates or width of butt straps None Thickness of straps None
 Percentage strength of long. joint:—Plate None Rivet None Diameter of tube holes in drum None Pitch of tube holes None
 Percentage strength of drum shell in way of tubes None Water Drum Heads or Ends:—Material None Thickness None
 Radius or how stayed None Size of manhole or handhole None Headers or Sections:—Number None
 Material None Thickness None Tested by Hydraulic Pressure to None Material of Stays None
 Area at smallest part None Area supported by each stay None Working Pressure by Rules None Tubes:—Diameter 2"
 Thickness 1/20" Number 80 Steam Dome or Collector:—Description of Joint to Shell None Material None
 Percentage strength of Joint None Diameter None Thickness of shell plates None Working Pressure of shell
 Description of longitudinal joint None Diameter of Rivet Holes None Pitch of Rivets None
 by Rules None Crown or End Plates:—Material None Thickness None How stayed None

UPERHEATER. Type None Date of Approval of Plan None Tested by Hydraulic Pressure to None
 Date of Test None Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler None
 Diameter of Safety Valve None Pressure to which each is adjusted None Is easing gear fitted None
 Is a drain cock or valve fitted at lowest point of superheater None Number, diameter, and thickness of tubes None
 Spare Gear Tubes None Gaskets or joints:—Manhole None Handhole None Handhole plates None

This drum is numbered WHB 90

The foregoing is a correct description,

Manufacturer.

Dates of Survey { During progress of work in shops May 3-6-10-14-18 Is the approved plan of boiler forwarded herewith Yes
 while building { During erection on board vessel April 2-5-8-12-16-19-22-26-29 1937 at N.Y. Aug 4th Danville
Sept 16-20 Oct 18 Dec 21 1937 Total No. of visits 19

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.)

The above boiler has been satisfactorily installed on board the vessel. Tested by hydraulic pressure to 341 lbs with satisfactory results. The safety valves have been adjusted under steam to 227 lb. In my opinion the boiler is eligible to receive the record of 2 WTDB 227 lbs. 1 WTDB (Exhaust Gas Fired) 227 lbs.

Installation Fee \$25.00

Survey Fee \$5.00

Travelling Expenses (Many)

Main fee charged at Cleveland

When applied for, 7th Jan 1938When received, 14th Jan 1938

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

NEW YORK JAN 26 1938

Assigned 1 WTDB (Exhaust Gas fired) 227 lbs



© 2021

Lloyd's Register
011449-011460-0077