

REPORT ON WATER TUBE BOILERS.

No. 10699.

Date of writing Report 20.11.1947. When handed in at Local Office 21.11.1947. Port of Falmouth

Received at London Office

24 NOV 1947

No. in Survey held at Falmouth Date, First Survey 6-10-47 Last Survey 24-10-1947
 Reg. Bk. 34986 on the S.S. 'TRIGONOSEMUS' ex 'TUOLUMNE MEADOWS' (Number of Visits 8) Gross 10640 Tons Net 6303
 Built at Portland, Oregon U.S.A. By whom built Kaiser Co. Inc. When built 1944-5 mths
 Engines made at Schenectady By whom made General Electric Co. When made 1944
 Boilers made at By whom made Combustion Engineering Co. Inc. When made 1944
 Nominal Horse Power Owners Anglo-Saxon Petroleum Co. Port belonging to London

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Bethlehem S.P. Worth Co.

Date of Approval of plan 5.10.47 Number and Description or Type of Boilers Two Babcock Type H.T. Boilers Working Pressure 150 lbs/sq. Tested by Hydraulic Pressure to 150 lbs/sq. Date of Test 5.10.47
 No. of Certificate Can each boiler be worked separately Yes Total Heating Surface of Boilers 9868 sq. ft. + 1486 sq. ft. = 11354 sq. ft.
 Is forced draught fitted Yes Area of fire grate (coal) in each Boiler 4 - Todd's Hex-Press. No. and description of safety valves on each boiler Duplex enclosed direct spring at 2 1/2 dia. 1. H. Area of each set of valves per boiler as fitted 9.817 sq. ft. Pressure to which they are adjusted 500 lbs/sq. 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 3'-0" to steel bulkheads Height of boiler 21 feet
 Width and Length 11'-10" x 14'-5 1/2" Steam Drums:—Number in each boiler ONE Inside diameter 41 1/2" x 4'-2" Thickness of plates 3/4" x 1 1/2" Range of Tensile Strength To American Bureau Requirements Are drum shell plates welded or flanged Welded If fusion welded, state name of welding firm Bethlehem Steel Co. S. Have all the requirements of the rules for Class I vessels been complied with Yes 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 4'-0.15" Pitch of tube holes 7" Percentage strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength To American Bureau Requirements Thickness of plates 1 1/4" Radius or how stayed Semi-elliptical Size of manhole or handhole 16" x 12" Water Drums:—Number in each boiler ONE Inside Diameter 41 1/2" Thickness of plates 3/4" Range of tensile strength Are drum shell plates welded or flanged Welded If fusion welded, state name of welding firm Bethlehem Steel Co. S. Have all the requirements of the rules for Class I vessels been complied with Yes 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 3/4" Radius or how stayed Semi-elliptical Size of manhole or handhole 16" x 12" Tested by Hydraulic Pressure to 150 lbs/sq. Date of Test 4-5-44 Is a safety valve fitted to each section of the superheater which can be shut off from the boiler Yes No. and description of Safety Valves One enclosed direct spring Area of each set of valves 1.767 sq. ft. Pressure to which they are adjusted 464 lbs/sq. Is easing gear fitted Yes
 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 -- Is the approved plan of boiler forwarded herewith No
 while building During erection on board vessel -- Total No. of visits

Is this boiler a duplicate of a previous case If so, state vessel's name and report No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers are in good condition & are eligible in my opinion to be classed with record of B.S. 10.47
 Fitted for oil fuel, F.P. above 150°F

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

Committee's Minute
 Assigned

FRI. 28 NOV 1947

Jas. Stevenson
 Engineer Surveyor to Lloyd's Register of Shipping.

© 2020

Lloyd's Register
 Foundation

003240-003244-075