

5c.

REPORT ON WATER TUBE BOILERS.

No. 5046

15 NOV 1948

Received at London Office.

Writing Report: 3rd Oct., 1948 When handed in at Local Office: 3rd Oct., 1948 Port of: Galveston, Texas
 Survey held at: Galveston, Texas Date, First Survey: 23rd Sept. '48 Last Survey: 8th October, 1948
 on the: S/S "TROCHISCUS" ex "FORT MATANZAS" (Number of Visits: 4) Gross: 10668 Tons Net: 6319
 made at: Portland, Oregon By whom built: Kaiser Co., Inc. When built: 1944
 made at: Lynn, Mass. By whom made: General Electric Co. When made: 1944
 made at: Chattanooga, Tenn. By whom made: Combustion Engineering Co. Hedges Walsh & Weidner Division When made: 1944-2
 Owners: Anglo-Saxon Petroleum Co., Ltd. Port belonging to: London

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

Approval of plan: A.B.S. & U.S.C.G. Number and Description of Type: 1000 lbs. Working Pressure: 500 lbs. Tested by Hydraulic Pressure to: 750 lbs. Date of Test: 9-28-48
 Two single pass straight tube Working Pressure: 500 lbs. Tested by Hydraulic Pressure to: 750 lbs. Date of Test: 9-28-48
 Certificate: ABS SL339 SL339 Can each boiler be worked separately: Yes Total Heating Surface of Boilers: Supht. 74311354 each
 draught fitted: Yes Area of fire grate (coal) in each Boiler: Oil fired
 type of burners (oil) in each boiler: Four Todds "Hexpress" Type No. and description of safety valves on
 One 2 1/2" Dia. Duplex Consolidated Main Area of each set of valves per boiler {per rule 9.8 } Pressure to which they
 One 1 1/2" Dia. Simplex Consolidated Supht. {as fitted 1.76 } 11.56" sq. ins.
 Main 500 lbs. Supht. 464 lbs. Are they fitted with easing gear: Yes In case of donkey boilers state whether steam from main boilers can enter
 Smallest distance between boilers or uptakes and bunkers or woodwork: 23'-9" Height of boiler: 21'-0"
 Length: 11'-10" & 17'-5 1/2" Steam Drums:—Number in each boiler: One Inside diameter: 42"
 Thickness of plates: 1 19/32" & 3/4" Range of Tensile Strength: 70000 lbs. min. Are drum shell plates welded
 Fusion welded If fusion welded, state name of welding firm: Combustion Engineering Co. Have all the requirements of the rules
 Class I vessels been complied with: A.B.S. & 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
 Rivet: — Diameter of tube holes in drum: 4 1/32" Pitch of tube holes: 7"
 Range of tensile strength: 65,000 lbs. min.
 Radius or how stayed: Ellipsoidal Size of manhole or handhole: 12" x 16" Water Drums:—Number
 Inside Diameter: — Thickness of plates: — Range of tensile strength: — Are drum shell plates
 If fusion welded, state name of welding firm: — Have all the requirements of the rules
 Description of riveting:—Cir. seams: — long. seam: —
 Pitch of rivets: — Thickness of straps: —
 Diameter of rivet holes in long. seams: — Pitch of tube holes: —
 Water Drum Heads or Ends:—Range of Tensile strength: —
 Radius or how stayed: — Size of manhole or handhole: —
 Sections:—Number: 14 Material: — Thickness: 9/16" Tested by Hydraulic Pressure to: 750 lbs.
 Diameter: 1 1/4", 2" & 4" Thickness: 13, 10 & 5 or 6 Number: 1148, 56 & 46 Steam Dome or Collector:—Description of
 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: —
 Thickness of straps: — Percentage strength of long. joint: — Plate: — Rivet: —
 Radius or how stayed: —
 Drums or Headers:—Number in each boiler: Two Inside Diameter: 6 1/2" x 6 1/2" square
 Thickness: 3/4" Material: Seamless Steel Range of tensile strength: 55000 lbs. min. Are drum shell plates welded
 If fusion welded, state name of welding firm: — Have all the requirements of the rules
 Description of riveting:—Cir. seams: — long. seams: —
 Pitch of rivets: — Thickness of straps: — Percentage strength of
 Rivet: — Diameter of tube holes in drum: — Pitch of tube holes: — Percentage strength of
 Drum Heads or Ends:—Thickness: — Range of tensile strength: —
 Size of manhole or handhole: 3 3/8" x 4 1/4" Number, diameter, and thickness of tubes: 145, 1 1/4" & .120"
 Tested by Hydraulic Pressure to: 750 lbs. Date of Test: 9/28/48 Is a safety valve fitted to each section of the superheater which
 shut off from the boiler: Yes No. and description of Safety Valves: One 1 1/2" Dia. Simplex Consolidated Area of each set
 valves: 1.76 sq. ins. Pressure to which they are adjusted: 464 lbs. Is easing gear fitted: Yes

The foregoing is a correct description.

Manufacturer.

During progress of work in shops - - - Is the approved plan of boiler forwarded herewith: Yes
 During erection on board vessel - - - Total No. of visits: -

boiler a duplicate of a previous case: Yes If so, state vessel's name and report No.: T2 Tanker Class

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The two watertube boilers were constructed
 for the supervision of the American Bureau of Shipping and U.S.C.G. have now been hydrostatically
 tested and examined throughout and under steam. The Boilers and Machinery of this vessel are in
 condition and eligible, in my opinion, to be classed with this Society with a record of LMC.)

Survey Fee: 2 W.T.B. 500 lbs. (Spt.) When applied for: 19
 Travelling Expenses (if any) £ : - : When received: 19

Bloomfield + James T. Dudley
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute: NEW YORK OCT 27 1948

signed 2 W.T.B. (SPT) 500 lbs.

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 002956-002969-0276

PORT BOILER

USCG 7738
TS 70,000 lbs.
Hydro Test 750 lbs.
Original W.P. 500 lbs.
Built by C. E. Co.
Steel, Bethlehem &
Worth Steel
Inspector C.C.
SL 339 MDM
A290B 2-18-44
C.E.Co. No. 9589
HB Div. 2314-1
WP 500 lbs.
TP 1000 lbs. 2-15-44

STBD. BOILER

USCG 7737
TS 70,000 lbs.
Hydro Test 750 lbs.
Original W.P. 500 lbs.
Built by C. E. Co.
Steel, Bethlehem &
Worth Steel
Inspector C.C.
SL 339 MDM
A290B 2-18-44
C.E.Co. No. 9587
HB Div. 2312-1
WP 500 lbs.
TP 1000 lbs. 2-15-44



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