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REPORT ON WATER TUBE BOILERS.

No. 5046

Received at London Office.

15 NOV 1948

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
 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. 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. 8-28-48
 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 {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. Area of each set of valves per boiler
 Supht. 464 lbs. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter
 key boiler - Smallest distance between boilers or uptakes and bunkers or woodwork 23'-9" Height of boiler 21'-0"
 and Length 11'-10" & 17'-5 1/2" Steam Drums:—Number in each boiler One Inside diameter 42"
 ess 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
 ss I vessels been complied with A.B.S. & U.S.C.G. Description of riveting:—Cir. seams - long. seams -
 ter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of
 joint:—Plate - Rivet - Diameter of tube holes in drum 4 1/32" Pitch of tube holes 7"
 tage strength of shell in way of tubes - Steam Drum Heads or Ends:—Range of tensile strength 65,000 lbs. min.
 ess of plates 1 1/4" Radius or how stayed Ellipsoidal Size of manhole or handhole 12" x 16" Water Drums:—Number
 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
 ss I vessels been complied with - Description of riveting:—Cir. seams - long. seam -
 ter of rivet holes in long. seams - Pitch of rivets - Thickness of straps -
 tage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -
 tage strength of drum shell in way of tubes - Water Drum Heads or Ends:—Range of Tensile strength -
 ess of plates - Radius or how stayed - Size of manhole or handhole -
 er as possible 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
 o Shell - Inside diameter - Thickness of shell plates - Range of tensile
 th - 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 -
 n or End Plates:—Range of tensile strength - Thickness - Radius or how stayed -
 PERHEATER. Drums or Headers:—Number in each boiler Two Inside Diameter 6 1/2" x 6 1/2" square
 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
 ss I vessels been complied with - Description of riveting:—Cir. seams - long. seams -
 ter 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 3 3/8" x 4 1/4" Number, diameter, and thickness of tubes 145, 1 1/4" & .120"
 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
 ves 1.76 sq. ins. Pressure to which they are adjusted 464 lbs. Is easing gear fitted Yes
 e Gear. Has the spare gear required by the rules been supplied 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.)
 h date) 2 W.T.B. 500 lbs. (Spt.) When applied for, 19
 Survey Fee - When received, 19

travelling Expenses (if any) £ : - : When received, 19

Committee's Minute NEW YORK OCT 27 1948

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

Bloomfield + James Tindley
 Engineer Surveyor to Lloyd's Register of Shipping.

002956-002969-0276
 Lloyd's Register
 Foundation

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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