

REPORT ON WATER TUBE BOILERS.

No. 5029

Received at London Office 12 JAN 1949

Date of writing Report 5th Oct., 19 48 When handed in at Local Office 5th Oct., 19 48 Port of Galveston, Texas
No. in Survey held at Galveston, Texas Date, First Survey 14th August Last Survey 4th Sept., 19 48
Reg. Bk. 9561 on the S/S "FRANCINE CLORE" (Number of Visits 3) Gross 10634 Tons Net 6299
Built at Portland, Or. By whom built Kaiser Co., Inc. When built 1944
Engines made at Lynn, Mass. By whom made General Electric Co. When made 1944
Boilers made at St. Louis, Mo. By whom made Combustion Engineering Co. Hedges Walsh & Weidner Division When made 1944
Nominal Horse Power 1425 Owners British Oil Shipping Co., Ltd. Port belonging to London

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Bethlehem Steel S. P. & Worth Steel Co.
Date of Approval of plan A.B.S. & U.S.C.G.
No. of Boilers Two single pass straight tube Working Pressure 500 lbs. Tested by Hydraulic Pressure to 750 lbs. Number and Description or Type 1-28-48
No. of Certificate (S) SL328 Can each boiler be worked separately Yes Total Heating Surface of Boilers Supht. 111354 sq. ins. each total
Is forced draught fitted Yes Area of fire grate (coal) in each Boiler Oil fired
No. and type of burners (oil) in each boiler Four Todds "Hexpress" Type No. and description of safety valves on
Each boiler One 2 1/2" Dia. Duplex Consolidated Main Pressure to which they
One 1 1/2" Dia. Simplex Consolidated Supht. 464 lbs. Are they fitted with easing gear Yes
In case of donkey boilers state whether steam from main boilers can enter
be donkey boiler Smallest distance between boilers or uptakes and bunkers or woodwork 23'-9" Height of boiler 21'-0"
Width and 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
or flanged Fusion welded If fusion welded, state name of welding firm Combustion Engineering Co. Have all the requirements of the rules
or 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
long. joint:—Plate Rivet Diameter of tube holes in drum 4 1/32" Pitch of tube holes 7"
Percentage strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength 65,000 lbs. min.
Thickness of plates 1 1/4" Radius or how stayed Ellipsoidal Size of manhole or handhole 12" x 16" Water Drums:—Number
in each boiler Inside Diameter Thickness of plates Range of tensile strength Are drum shell plates
welded or flanged If fusion welded, state name of welding firm Have all the requirements of the rules
or Class I vessels been complied with 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 Radius or how stayed Size of manhole or handhole
Leaders or Sections:—Number 14 Material Seamless Steel Thickness 9/16" Tested by Hydraulic Pressure to 750 lbs.
Tubes:—Diameter 1 1/4", 2" & 4" Thickness 13, 10 & 5 or 6 Number 1148, 56 & 46 Steam Dome or Collector:—Description of
point to Shell Inside diameter Thickness of shell plates Range of tensile
strength 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
Pitch of rivets Thickness of straps Percentage strength of long. joint Plate Rivet
Crown or End Plates:—Range of tensile strength Thickness Radius or how stayed
SUPERHEATER. 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
or flanged If fusion welded, state name of welding firm Have all the requirements of the rules
or Class I vessels been complied with 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 Pitch of tube holes Percentage strength of
drum shell in way of tubes Drum Heads or Ends:—Thickness Range of tensile strength
Radius or how stayed Size of manhole or handhole 3 3/8" x 4 1/4" Number, diameter, and thickness of tubes 145, 1 1/2" & .120"
Tested by Hydraulic Pressure to 750 lbs. Date of Test 8/17/48 Is a safety valve fitted to each section of the superheater which
be 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
Spare Gear. Has the spare gear required by the rules been supplied Yes

The foregoing is a correct description,

Manufacturer.
Is the approved plan of boiler forwarded herewith Yes
Total No. of visits

This 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 under 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 of this vessel are in good condition and eligible, in my opinion, to be classed with this Society with a record of B.S. 9,48, 2 W.T.B.
Survey Fee £ : - : When applied for, 19
Travelling Expenses (if any) £ : - : When received, 19

Committee's Minute
Signed 2 WTB (SPT) 500 lbs.
NEW YORK DEC 22 1948
James L. Lacey
Engineer Surveyor to Lloyd's Register of Shipping.



003409-003416-0296

PORT BOILER

TS 70,000 lbs.
Hydro 750 lbs.
O.W.P. 500 lbs.
Combustion Engineering Co., Inc.
Steel, Bethlehem Steel Co.
Date 6/3/44
Inspectors Initials C.G.
ABS - SL329 MDM A290B - 2/1/44
Combustion Engineering Co.
No. 9757
C.E.Co. Div. HB-2294-2
Working Pressure 500 lbs.
Test Pressure 1000 lbs. 1/28/44

STBD. BOILER

TS 70,000 lbs.
Hydro 750 lbs.
O.W.P. 500 lbs.
Combustion Engineering Co., Inc.
Steel, Bethlehem Steel Co.
Date 6/3/44
Inspectors Initials C.G.
ABS - SL328 MDM A290B - 2/1/44
Combustion Engineering Co.
No. 9755
C.E.Co. Div. HB-2292-1
Working Pressure 500 lbs.
Test Pressure 1000 lbs. 1/27/44



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