

Rpt. 5c.

REPORT ON WATER TUBE BOILERS.

No.

VC2-3-AP2
47778

10 JUL 1947

Received at London Office.

date of writing Report 15th MAY 1947 When handed in at Local Office 19th MAY 1947 Port of NEW YORK
No. in Survey held at NEW YORK Date, First Survey 24th MARCH 47 Last Survey 23rd APRIL 1947
Reg. Bk. 6955 on the SS. TRANQUEBAR ex KINGS POINT VICTORY (Number of Visits 4) Gross 7604 Tons Net 4549
built at BALTIMORE, MD. By whom built BETHLEHEM-FAIRFIELD SHYDS INC When built 1945-6
engines made at PITTSBURGH, PA By whom made WESTINGHOUSE ELE & MANFG Co When made 1945-6
boilers made at EDGE MOOR DEL By whom made EDGE MOOR IRON WORKS & COMBUSTION ENG^g Co When made 1945-6
nominal Horse Power 1296 Owners EAST ASIATIC CO LTD Port belonging to COPENHAGEN

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel LUKENS STEEL Co
date of Approval of plan AMERICAN BUREAU Number and Description or Type
of Boilers TWO CROSS DRUM STRAIGHT TUBE SH SINGLE PASS Working Pressure 525 LBS Tested by Hydraulic Pressure to 788 LBS Date of Test 5.10.45
No. of Certificate ABS. 3716 + 3715 Can each boiler be worked separately YES Total Heating Surface of Boilers 12622 SQ. FT.
forced draught fitted YES Area of fire grate (coal) in each Boiler OIL FIRED BOILERS
No. and type of burners (oil) in each boiler THREE PEABODY TYPE MP MECHANICAL ATOMIZERS No. and description of safety valves on
each boiler ONE 1 1/2" DIA DUPLEX HIGH LIFT SPRING LOADED MAIN
ONE 1 1/2" SIMPLEX - - - - - SH. Area of each set of valves per boiler {per rule MAIN 6.250 INS Pressure to which they
as fitted SH 1.750 INS
are adjusted 525 + 473 LBS 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 4' 0" Height of boiler 21'-3"
Width and Length 15'-10 1/2" + 9'-6" Steam Drums:—Number in each boiler ONE Inside diameter 42 7/16"
Thickness of plates 1 1/16" + 1 3/16" Range of Tensile Strength 70,000 LBS. PSI. MIN Are drum shell plates welded
or flanged FUSION WELDED If fusion welded, state name of welding firm COMBUSTION ENG^g Co + EDGE MOOR IRON WORKS Have all the requirements of the rules
for Class I vessels been complied with USCG + ABS Description of riveting:—Cir. seams YES long. seams YES
Diameter of rivet holes in long. seams YES Pitch of rivets YES Thickness of straps YES Percentage strength of
long. joint:—Plate YES Rivet YES Diameter of tube holes in drum YES Pitch of tube holes YES
Percentage strength of shell in way of tubes YES Steam Drum Heads or Ends:—Range of tensile strength 70000 LBS. MIN.
Thickness of plates 1 1/4" Radius or how stayed ELIPSOIDIAL Size of manhole or handhole 12" x 16" Water Drums:—Number
in each boiler YES Inside Diameter YES Thickness of plates YES Range of tensile strength YES Are drum shell plates
welded or flanged YES If fusion welded, state name of welding firm YES Have all the requirements of the rules
for Class I vessels been complied with YES Description of riveting:—Cir. seams YES long. seam YES
Diameter of rivet holes in long. seams YES Pitch of rivets YES Thickness of straps YES
Percentage strength of long. joint:—Plate YES Rivet YES Diameter of tube holes in drum YES Pitch of tube holes YES
Percentage strength of drum shell in way of tubes YES Water Drum Heads or Ends:—Range of Tensile strength YES
Thickness of plates YES Radius or how stayed YES Size of manhole or handhole YES
Headers or Sections:—Number 12 Material OH STEEL Thickness 9/16" Tested by Hydraulic Pressure to 788 LBS.
Tubes:—Diameter 1 1/4", 2" + 4" Thickness .095", .134" + .220" Number 980, 48 + 42 Steam Dome or Collector:—Description of
point to Shell YES Inside diameter YES Thickness of shell plates YES Range of tensile
strength YES Description of longitudinal joint YES If fusion welded, state name of welding
firm YES Have all the requirements of the rules for Class I vessels been complied with YES Diameter of rivet holes YES
Pitch of rivets YES Thickness of straps YES Percentage strength of long. joint YES Plate YES Rivet YES
Crown or End Plates:—Range of tensile strength YES Thickness YES Radius or how stayed YES
SUPERHEATER. Drums or Headers:—Number in each boiler TWO Inside Diameter 6 1/4" SQUARE.
Thickness 3/4" Material OH STEEL Range of tensile strength 60000 LBS MIN Are drum shell plates welded
or flanged YES If fusion welded, state name of welding firm YES Have all the requirements of the rules
for Class I vessels been complied with YES Description of riveting:—Cir. seams YES long. seams YES
Diameter of rivet holes in long. seams YES Pitch of rivets YES Thickness of straps YES Percentage strength of
long. joint:—Plate YES Rivet YES Diameter of tube holes in drum YES Pitch of tube holes YES
Percentage strength of drum shell in way of tubes YES Drum Heads or Ends:—Thickness YES Range of tensile strength YES
Radius or how stayed YES Size of manhole or handhole YES Number, diameter, and thickness of tubes 333 1 1/4 .120 MIN
Tested by Hydraulic Pressure to 788 LBS Date of Test YES 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 1 1/2" DIA HIGH LIFT SPRING LOADED Area of each set
of valves 1.76 SQ. INS. Pressure to which they are adjusted 473 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.

Dates of Survey } During progress of } YES
while } work in shops - - } YES
building } During erection on } YES
board vessel - - - }

Is the approved plan of boiler forwarded herewith Will be forwarded next mail
Total No. of visits YES

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The two watertube boilers were constructed under special supervision of the American Bureau + USCG. have now been hydrostatically tested & examined throughout under steam. The Boilers + Machinery of this vessel are in good condition + eligible, in my opinion, to be classed with this Society with record of WMC 4.47. 2WTB 525 LBS when the survey has been completed

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

Committee's Minute NEW YORK JUN 11 1947Assigned 2 W. T. B. (PT) 525 lbs.

J. Bloomfield © 2021
Engineer Surveyor to Lloyd's Register of Shipping.

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Foundation

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