

REPORT ON WATER TUBE BOILERS.

No. 27564.

24 APR 1962

Date of writing Report 16.4 1962. When handed in at Local Office 19/4 19 62 Received at London Office
 No. in Survey held at Uddevalla. Date, First Survey 19.12.60. Last Survey 6.4 19 62.
 Reg. Book. 1/40152 on the S/S "ASA V. CALL" (Number of Visits 44) Gross 38471 Tons Net 26636
 Built at Uddevalla. By whom built Sörviksvarvet AB. Yard No. 204. When built 1962.
 Engines made at Trenton N.J. By whom made De Laval Steam Turb. Co. Engine No. 652031. When made 1961.
 Boilers made at Ohio and Uddevalla. By whom made Babcock & Wilcox Co. Boiler No. 903/904. When made 1962.
 HS for Register Book 23430 sq.ft. Owners. California Shipping Co. Port belonging to Monrovia.

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Bethlehem Steel Co.
 Date of Approval of plan N.Y. 21.8.58 and 25.3.60. No. and Description or Type
 of Boilers Two As per Cleveland Rpt. No. 2340. Working Pressure 705 lbs. Tested by Hydraulic Pressure to 1108 lbs. Date of Test 27-30.1.62.
 No. of Certificate 903/904. Can each boiler be worked separately Yes. Total Heating Surface of Boilers 2x8720. Superheaters 2x1185.
 Half Economisers 2x1810 sq.ft. Is forced draught fitted Yes. Area of Fire Grate (coal) in each Boiler

No. and type of burners (oil) in each boiler 6 - 10 WA - 3" No. and description of safety valves on each boiler Two - Consolidated - 2" - 1556JA. Area of each set of valves per boiler as fitted 2.574 sq.in. Pressure to which they are adjusted 705 & 700 PSI Are they fitted with easing gear Yes. In case of donkey boilers state whether steam from main boilers can enter the donkey boiler No bunkers No wood work. Height of boiler 26' 4"

Width and length 19' 10" x 18' 1" Steam 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 for Class I vessels been complied with Description of riveting:—Circ. 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 shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength Water Drums:—Number welded or flanged If fusion welded, state name of welding firm Have all the requirements of the Rules for Class I vessels been complied with Description of riveting:—Circ. 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 Water Drum Heads or Ends:—Range of tensile strength Headers or Sections:—Number Material Thickness Size of manhole or handhole Tested by hydraulic pressure to

Thickness of plates Radius or how stayed Number Thickness of shell plates Range of tensile strength

Headers or Sections:—Number Material Thickness Size of manhole or handhole Tested by hydraulic pressure to

Tubes:—Diameter Thickness Number Thickness of shell plates Range of tensile strength

joint to shell Inside diameter Description of longitudinal joint If fusion welded, state name of welding firm Have all the requirements for 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 Inside diameter Thickness Material 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 for Class I vessels been complied with Description of riveting:—Circ. 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

Radius or how stayed Size of manhole or handhole Number, diameter, and thickness of tubes Tested by hydraulic pressure to 1108 lbs. Date of test 27 - 30.1.62. 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 - Consolidated - 1½" - 1556HC. Area of each set of valves 0.785 sq.in. 1.767 Pressure to which they are adjusted 620 PSI. Is easing gear fitted Yes.

Spare Gear. Has the spare gear required by the Rules been supplied Yes.

The foregoing is a correct description, Uddevallavarvet Aktiebolag Manufacturer.

Dates During progress of work in shops - - 19.12.60 - 20.2.61. Is the approved plan of boiler forwarded herewith No. while During erection on board vessel - - 29.5.61 - 4.6.62. Total No. of visits 44.

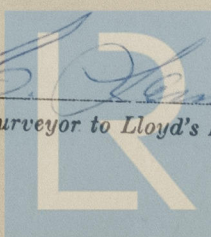
this boiler a duplicate of a previous case Yes. If so, state vessel's name and report No. S/S "George L. Parkhurst"; Got. No. 26224.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. These main boiler components have been built under Special Survey as per Cleveland report No. 2340, attached. The boilers have been assembled in shop and erected onboard under my inspection and to my satisfaction. The workmanship is good. These boilers are, in my opinion, suitable to be classed with working pressure of 705 lbs/

Survey Fee ... Kr. ... £ 2850:-- : When applied for 19/4 19 62 Travelling Expenses (if any) £ --- : When received --- 19 ---

Date FRIDAY 25 MAY 1962 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute Su Rpt Rpt 1



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