

REPORT ON WATER TUBE BOILERS.

23 FEB 1960 No. 1053

Received at London Office
 Date of writing Report 14th Dec. 1959 When handed in at Local Office 19 Port of Nagasaki
 No. in Survey held at Sasebo, Japan Date, First Survey 10th Oct., 1959 Last Survey 5th Dec., 1959
 Reg. Book. S.S. "ORIENTAL GIANT" (Number of Visits 11) Gross 43,422.88
 on the Built at Sasebo, Japan By whom built Sasebo Ship Ind. Co., Ltd. Yard No. 200 Tons Net 29,739
 Engines made at Tokyo, Japan By whom made Ishikawajima Heavy Ind. Co. Ltd. IT 2286 When built Dec. 1959
 Boilers made at Tokyo, Japan By whom made -do- Engine No. P.IB 591 When made July, 1959
 HS for Register Book. Owners Tanker Service Inc., Liberia Port belonging to Monrovia Boiler No. S.IB 590 When made July, 1959

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

Date of Approval of plan No. and Description or Type of Boilers Working Pressure Tested by Hydraulic Pressure to Date of Test
 No. of Certificate Can each boiler be worked separately Total Heating Surface of Boilers Superheaters
 Half Economisers Is forced draught fitted Area of Fire Grate (coal) in each Boiler
 No. and type of burners (oil) in each boiler No. and description of safety valves on each boiler

Area of each set of valves per boiler per rule as fitted Pressure to which they are adjusted 725 PSI Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter the donkey boiler Smallest distance between boilers or uptakes and bunkers or woodwork 4 Meter Height of boiler

Width and length 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 Thickness of plates Radius or how stayed Size of manhole or handhole 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 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 Thickness of plates Radius or how stayed Size of manhole or handhole

Headers or Sections:—Number Material Thickness Tested by hydraulic pressure to Tubes:—Diameter Thickness Number Steam Dome or Collector:—Description of joint to shell Inside diameter Thickness of shell plates Range of tensile strength

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

Drum Heads or Ends:—Thickness Range of tensile strength Radius or how stayed Size of manhole or handhole Number, diameter, and thickness of tubes Tested by hydraulic pressure to Date of test Is a safety valve fitted to each section of the superheater which can be shut off from the boiler No. and description of safety valves Area of each set of valves Pressure to which they are adjusted 626 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, General Manager Sasebo Ship Industry Co., Ltd. Manufacturer.

Dates of Survey During progress of work in shops - - - 1959 Aug. 10, Sept. 30, Oct. 7, 12, Nov. 12, Total No. of visits 11
 while building During erection on board vessel - - - 20, 16, 24, Dec. 5

Is this boiler a duplicate of a previous case. If so, state vessel's name and report No. GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been installed under the supervision of the surveyors in accordance with the Society's Rules, approved plans & secretary's letters. The boilers have been examined under steam and safety valves adjusted to 725 PSI SPT 626 PSI at 850°F. Accumulation test was waived at the agreement of parties concerned. For construction survey of boilers, please see YKA Rpt. No. 3078 attached.

Survey Fee ... £ : : When applied for 19
 Travelling Expenses (if any) £ : : When received 19

Date FRIDAY 25 MAR 1960 See Rpt. 1

Committee's Minute

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

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