

REPORT ON WATER TUBE BOILERS.

23 FEB 1960 No. 1053

Date of writing Report 14th Dec. 59 19 59 When handed in at Local Office 19 Port of Nagasaki
 Received at London Office
 No. in Survey held at Sasebo, Japan Date, First Survey 10th Oct., 1959 Last Survey 5th Dec., 19 59
 Reg. Book. S.S. "ORIENTAL GIANT" (Number of Visits 11) Gross 43,422.88
 on the S.S. "ORIENTAL GIANT" Tons Net 29,739
 Built at Sasebo, Japan By whom built Sasebo Ship Ind. Co., Ltd. Yard No. 200 When built Dec. 1959
 Engines made at Tokyo, Japan By whom made Ishikawajima Heavy Ind. Co. Ltd. Engine No. IT 2286 When made July, 1959
 Boilers made at Tokyo, Japan By whom made -do- Boiler No. S.I.B. 591 When made July, 1959
 HS for Register Book Owners Tanker Service Inc., Liberia Port belonging to Monrovia

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 725 PSI per rule _____ as fitted _____ Pressure to which they are adjusted _____

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 _____

SPERHEATER, 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

H. M. Nagata
Sasebo Ship Industry Co., Ltd. Manufacturer.

Dates of Survey During progress of work in shops - - - _____ Is the approved plan of boiler forwarded herewith _____
while building During erection on board vessel - - - 1959 Aug. 10, Sept. 30, 25 Oct. 7, 12, Nov. 12, _____ Total No. of visits 11
20, 16, 24/Dec. 5

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

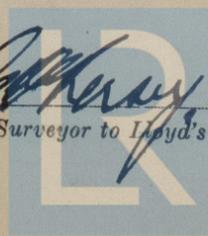
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been installed under the supervision of the surveyors in accordance with the Society's Rules, approved plans & secretary's letters. The boilers have been examined under steam and safety valves adjusted to 725 PSI 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

Engineer Surveyor to Lloyd's Register of Shipping.



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