

REPORT ON WATER TUBE BOILERS.

No. FE-6482

APR 1959

Received at London Office

of writing Report 25th Feb., 1959. When handed Local Office MAR 27 1959 19 Port of KOBE

Survey held at Tamano Date, First Survey 14th April, 1958 Last Survey 9th Feb., 1959.

Book. (Number of Visits 44) Gross 20,201.82 Tons Net 12,855.54

on the M.V. "OHMINESAN MARIU"

at Tamano, Japan By whom built Mitsui S.B. & Eng., Co., Ltd. Yard No. 635 When built 1959-2

ines made at Tamano, Japan By whom made - do - Engine No. 739 When made 1959-2

ers made at Tamano, Japan By whom made - do - Boiler No. 454,455 When made 1959-2

No. for Register Book 15,000 Owners Mitsui Steamship Co., Ltd. Port belonging to Tokyo

TER TUBE BOILERS - MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel & Kawasaki Steel Works. Plate: Yawata Works, Yawata Iron & Steel Co., Ltd.,
Tubes: Sumitomo Metal Ind. Ltd., Steel Tube Wks.,
Amagasaki. No. and Description or Type

of Approval of pl 23-10-58
2 sets, Mitsui B & W. Working Pressure 55 kg/cm² Tested by Hydraulic Pressure to 86 kg/cm² Date of Test 6-11-58

Boilers. Double evaporation boilers Can each boiler be worked separately. Yes Total Heating Surface of Boilers 254 M² Superheaters

of Certificat 53411 Is forced draught fitted. Area of Fire Grate (coal) in each Boiler

f Economizers Is forced draught fitted. Area of Fire Grate (coal) in each Boiler

and type of burners (oil) in each boiler 1 set per boiler, Mitsui Press. jet burner No. and description of safety valves on

h boiler 1 set per boiler Double spring loaded high lift type Area of each set of valves per boiler per rule 1962.5mm² x 2
as fitted 1962.5mm² x 2 Pressure to which they

adjusted 55 kg/cm² Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter

Material donkey boiler Smallest distance between boilers or uptakes and bunkers or woodwork Height of boiler 7,780 mm

diameter of 3920x3920mm Steam Drums: Number in each boiler 1 Inside diameter 800mm 1/2 = 712

ckness of plates 4mm Range of tensile strength 46.2 - 51.7 kg/mm² Are drum shell plates welded

anged. Welded If fusion welded, state name of welding firm Mitsui S.B. & Eng., Co., Ltd. Have all the requirements of the Rules

ow long at Class I vessels been complied with Yes Description of riveting: - Circ. seams - long. seams -

ed? meter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of

g. joint: - Plate - Rivet - Diameter of tube holes in drum 38 & 76.2mm Pitch of tube holes 76.2mm 156x120mm

centage strength of shell in way of tubes 49.2% Steam Drum Heads or Ends: Range of tensile strength 42.8 - 43.0 kg/mm²

ickness of plates 29mm Radius or how stayed 640mm Size of manhole or handhole 305 x 405mm Water Drums: Number

each boiler 1 Inside diameter 800mm Thickness of plates 4mm Range of tensile strength 46.2 - 51.7 kg/mm² Are drum shell plates

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Material percentage strength of long. joint: - Plate - Rivet - Diameter of tube holes in drum 38 & 76.2mm Pitch of tube holes 76.2 156x120mm

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ickness of plates 29mm Radius or how stayed 640mm Size of manhole or handhole 305 x 405mm

aders or Sections: Number 1 per boiler Material Forged Steel & Thickness 36mm Tested by hydraulic pressure to 86 kg/cm²

bes: - Diameter 38mm 76.2mm Thickness 4.0mm & 6mm Number 38mm - 56 each 76.2mm - 49 boiler Steam Dome or Collector: Description of

nt to shell Inside diameter Thickness of shell plates Range of tensile

ength Description of longitudinal joint If fusion welded, state name of welding

n Have all the requirements for the Rules for Class I vessels been complied with Diameter of rivet holes -

ch of rivets Thickness of straps Percentage strength of long. joint plate rivet

own or End Plates: Range of tensile strength Thickness Radius or how stayed

UPERHEATER, Drums or Headers: Number in each boiler Inside diameter

ickness Material Range of tensile strength Are drum shell plates welded

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um shell in way of tubes Drum Heads or Ends: Thickness Range of tensile strength

adius or how stayed Size of manhole or handhole Number, diameter, and thickness of tubes

sted by hydraulic pressure to Date of test Is a safety valve fitted to each section of the superheater which

tary's letter be shut off from the boiler No. and description of safety valves Area of each set

y as possible valves Pressure to which they are adjusted Is easing gear fitted

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

MITSUI SHIPBUILDING & ENGINEERING CO., LTD., TAMANO WORKS.

The foregoing is a correct description,

S. Takata Manufacturer.
Senior Managing Director.

Dates During progress of 1958: Apr. 14, 22, May 23, 26, 29, June 27, July 3, 4, 10, 11, 14, 17, 24, 29,
Survey work in shops - Aug. 1, 5, 12, 13, 22, 29, Sept. 8, 9, 15, 26, Oct. 9, 13, Is the approved plan of boiler forwarded herewith Apr. 23-10-58
while During erection on 20, 22, Nov. 6, 21, 25, 27, Dec. 8, 9, 12, 18, 19
building board vessel - 1959: Jan. 9, 16. Total No. of visits 44
1959: Jan. 14, 21, 26, 30, Feb. 9

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. These Primary boilers have been constructed under
Social Survey in accordance with the Rules, approved plans and Secretary's letters. The materials and workmanship are
and good and the boilers have been satisfactory installed in the ship. The Primary boilers have been examined under
am and the safety valves have been adjusted to 55 kg/cm². Accumulation tests carried out with satisfactory results.

Survey Fee ... £144,000 When applied for 19
Travelling Expenses (if any) £ When received 19

Date FRIDAY 24 APR 1959

Committee's
Minute

See Rpt. 1.

Jacobs & K. Tabuchi
Engineer Surveyor to Lloyd's Register of Shipping.
A. Jacobs & K. Tabuchi.

014887 - 014898 - 0085