

REPORT ON WATER TUBE BOILERS.

No. 3177

Received at London Office 11 JAN 1956

DEC. 30. 1955

Writing Report 19 When handed in at Local Office 19 Port of KOBE
 Survey held at Tamano, Japan. Date, First Survey 30th May, 1955 Last Survey 9th Sept., 1955.
 on the Steel Single Screw Motor Ship "MEIKI MARU" (Number of Visits 18) Gross 7613.59
 Tamano, Japan By whom built Mitsui Shipbuilding & Engineering Co., Ltd. Yard No. 599 Tons 4285.30
 made at Tamano, Japan By whom made Mitsui Shipbuilding & Engineering Co., Ltd. Engine No. 562 When built Sept., 1955.
 made at Tamano, Japan By whom made Mitsui Shipbuilding & Engineering Co., Ltd. Boiler No. 387 When made Sept., 1955.
 register Book Owners Meiji Kaikan K.K. Port belonging to Kone.

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Plates: Yawata Iron & Steel Co., Ltd.
 Tubes: Sumitomo Metal Ind. Ltd., Steel tube Works, Amagasaki.
 Approval of plan 11th March, 1955. No. and Description or Type
 s. Vertical Water Tube type Exhaust Working Pressure 10kg/cm² Tested by Hydraulic Pressure to 18.5kg/cm² Date of Test 24-8-55
 Certificate Can each boiler be worked separately Yes Total Heating Surface of Boilers 74.5M² Superheaters
 Economisers Is forced draught fitted - Area of Fire Grate (coal) in each Boiler -
 type of burners (oil) in each boiler -
 1 set Double spring loaded ordinary type Area of each set of valves per boiler { per rule 2,850.6mm²
 as fitted 6,636 mm² Pressure to which they
 tested 10kg/cm² Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter
 boiler - Smallest distance between boilers or uptakes and bunkers or woodwork 2,000mm Height of boiler 3,800mm
 d length 1724 out. dia. Steam Drums:—Number in each boiler 1 Inside diameter 1,700mm
 of plates 12mm Range of tensile strength 48.3kg/mm² Are drum shell plates welded
 riveted. If fusion welded, state name of welding firm Mitsui S.B. & Eng., Co., Ltd. Have all the requirements of the Rules
 vessels been complied with Yes Description of riveting:—Circ. seams Single riveted
 of rivet holes in long seams 23mm Pitch of rivets 49.8mm Thickness of straps - Plane: 38x41mm Percentage strength of
 Plate 53.8% Rivet 54.4% Diameter of tube holes in drum Stay: 38x44mm Pitch of tube holes Stay: 320x320mm
 strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength
 of plates 19mm Radius or how stayed 1,500mm Size of manhole or handhole 280x380mm Water Drums:—Number
 1 Inside diameter 1,700mm Thickness of plates 12mm Range of tensile strength 48.3kg/mm² Are drum shell plates
 flanged Welded If fusion welded, state name of welding firm Mitsui S.B. & E. Co., Ltd. Have all the requirements of the Rules
 vessels been complied with Yes Description of riveting:—Circ. seams - long seams -
 of rivet holes in long seams - Pitch of rivets - Thickness of straps - Plane: 38x41mm Plane: 160x160mm
 strength of long joint:—Plate - Rivet - Diameter of tube holes in drum Stay: 38x44mm Pitch of tube holes Stay: 320x320mm
 strength of drum shell in way of tubes Water Drum Heads or Ends:—Range of tensile strength 45.0kg/mm²
 of plates 19mm Radius or how stayed 1500mm Size of manhole or handhole 280x380mm
Sections:—Number - Material - Thickness - Plane: 212 Tested by hydraulic pressure to -
 diameter 38mm Thickness Stay: 6.5mm Number Stay: 100
 Inside diameter - Thickness of shell plates -
 Description of longitudinal joint - If fusion welded, state name of welding
 Have all the requirements for the Rules for Class I vessels been complied with - Diameter of rivet holes -
 Thickness of straps - Percentage strength of long joint - plate - rivet -
End Plates:—Range of tensile strength - Thickness - Radius or how stayed -
WATER Drums or Headers:—Number in each boiler - Inside diameter -
 Material - Range of tensile strength - Are drum shell plates welded
 If fusion welded, state name of welding firm - Have all the requirements of the Rules
 vessels been complied with - Description of riveting:—Circ. seams - long seams -
 rivet holes in long seams - Pitch of rivets - Thickness of straps - Percentage strength of
 Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of
 way of tubes - Drum Heads or Ends:—Thickness - Range of tensile strength -
 stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes -
 hydraulic pressure to - Date of test - Is a safety valve fitted to each section of the superheater which
 from the boiler - No. and description of safety valves - Area of each set
 Pressure to which they are adjusted - Is easing gear fitted -
 Has the spare gear required by the Rules been supplied Yes

MITSUI SHIPBUILDING & ENGINEERING CO., LTD. STEEL TUBE WORKS.

The foregoing is a correct description.
 [Signature] for [Signature]
 Manufacturer.

Progress of 1955: May, 30, June, 14, 28 July, 1, 5, 12, 15, 23, 26, 29 Aug. 3, 9, 13, 16, 19 Sept. 7, 9 Is the approved plan of boiler forwarded herewith Yes
 ing erection on 1955: Sept. 6 Total No. of visits 8

If so, state vessel's name and report No.

REMARKS (State quality of workmanship, opinions as to class, &c.)
 exhaust gas boiler of this vessel has been constructed under Special Survey in
 with the Rules, approved plans and Secretary's letters. The material and workmanship
 and good. The exhaust gas economizer has been examined under steam and safety valves
 10kgs/cm² and found satisfactory.

Expenses (if any) £ 24,000: When applied for DEC. 30. 1955
 Rpt. 1: When received 19

FRIDAY 10 FEB 1956

Engineer Surveyor to Lloyd's Register of Shipping.

See Rpt. 4c.

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