

REPORT ON WATER TUBE BOILERS. No. 2023

pt. 5c.

Received at London Office

REOGT 1952

Date of writing Report 8th Sept. 1952 When handed in at Local Office 19 Port of HAMBURG
 No. in Survey held at HAMBURG Date, First Survey 24th March Last Survey 26th August 1952
 Reg. Book. 95289 on the M.V. "MOSOIL" (Number of Visits 26) Gross 11,348 Tons
 Net 6,713
 Built at Hamburg By whom built Deutsche Werft A.G. Yard No. 640 When built 1952
 Engines made at Augsburg By whom made M.A.N. Engine No. 501528 When made 1952
 Boilers made at Hamburg By whom made Deutsche Werft A.G. Boiler No. 1247 When made 1952
 Nominal Horse Power 1330 Owners Compania de Navegaciona Martora S.A. Port belonging to Panama City

WATER TUBE BOILERS ~~MAIN, AUXILIARY, OR DONKEY.~~ Manufacturers of Steel Rheinische Röhrenwerke A.G., Düsseldorf

Date of Approval of plan 20.11.51 No. and Description or Type of Boilers one La Mont Type Working Pressure 170.7 lbs Tested by Hydraulic Pressure to 305.8 lbs Date of Test 11.5.52
 No. of Certificate 29 Can each boiler be worked separately - Total Heating Surface of Boilers 1615 sq. ft.
 Is forced draught fitted - Area of Fire Grate (coal) in each Boiler none
 No. and type of burners (oil) in each boiler exhaust gas heated No. and description of safety valves on each boiler One, single ordinary spring loaded Area of each set of valves per boiler { per rule - as fitted 8.04 sq. cm Pressure to which they are adjusted 170.7 lbs Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter the donkey boiler no Smallest distance between boilers or uptakes and bunkers or woodwork well clear Height of boiler 3535 mm
 Width and length 2178 x 1750 mm Steam Drums:—Number in each boiler none 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 none 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 none
 Thickness of plates - Radius or how stayed - Size of manhole or handhole -
 Headers or Sections:—Number 2 Material SMOH steel Thickness 8 mm Tested by hydraulic pressure to 70 Atm.
 Tubes:—Diameter 26 mm (inside) Thickness 3 mm Number 10 coils Steam Dome or Collector:—Description of joint to shell none 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 none Thickness - Radius or how stayed -
 SUPERHEATER, Drums or Headers:—Number in each boiler none 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:—none 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 - Is easing gear fitted -
 Spare Gear. Has the spare gear required by the Rules been supplied yes

The foregoing is a correct description,
DEUTSCHE WERFT
AKTIENGESELLSCHAFT Manufacturer.

Dates of Survey: During progress of work in shops Mar.: 24, Apr.: 10, 15, 21, 22, 30, May: 2, 6, 12, 23, 27, 30, Jun.: 12, Jul.: 3, 7, 11 Is the approved plan of boiler forwarded herewith no, approved 20.11.52
 while building: During erection on board vessel Jul.: 23, 28, 30, Aug.: 6, 7, 13, 18, 21, 22, 25, 26. Total No. of visits 26

Is this boiler a duplicate of a previous case yes If so, state vessel's name and report No. "MOSTANK", Ham. Rpt. No. 1861

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. This boiler has been constructed under Special Survey in conformity with the Society's Rules and Regulations, the approved plans and the Secretary's letters. The materials and workmanship are good. The boiler has been examined during construction, properly installed in the above vessel, examined under working conditions and found good.

Survey Fee ... £ SEE RPT 4.b. When applied for 19
 Travelling Expenses (if any) £ - When received 19

FRI. 24 OCT 1952

W. Schenck
 Engineer Surveyor to Lloyd's Register of Shipping.

Date See F. E. Mch. rpt.
 Committee's Minute See F. E. Mch. rpt.

ADU
22-10-52

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