

# REPORT ON WATER TUBE BOILERS.

No. 391

Received at London Office  
 11th April 1952 When handed in at Local Office 19 Port of Bremen  
 Date, First Survey 14th December 51 Last Survey 8th April, 1952  
 (Number of Visits 5) Gross 11083  
 M.V. "BONITA"  
 By whom built Bremer Vulkan  
 By whom made Bremer Vulkan  
 By whom made Bremer Vulkan  
 Owners A/B Dalen  
 Yard No. 816  
 Engine No. 408  
 Boiler No. 1019  
 Port belonging to Göteborg  
 When built 4.52  
 When made 4.52  
 When made 4.52

JB BOILERS MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel Rheinische Röhrenwerke, Mülheim/Ruhr  
 Stahl- und Röhrenwerke, Reisholz  
 La mont exhaust heat Working Pressure 12.6 Atm Tested by Hydraulic Pressure to 22.5 Atm No. and Description or Type  
 Can each boiler be worked separately yes Total Heating Surface of Boilers 100 m<sup>2</sup> Date of Test 4.2.52  
 exhaust heat only Area of Fire Grate (coal) in each Boiler nil  
 burners (oil) in each boiler -

No. and description of safety valves on  
 40 mm safety valve, spring loaded Area of each set of valves per boiler  
 2.6 atm Are they fitted with easing gear yes, direct In case of donkey boilers state whether steam from main boilers can enter  
 Smallest distance between boilers or uptakes and bunkers or woodwork about 12 m Height of boiler 1,900 mm

Steam Drums: Number in each boiler - Inside diameter -  
 Range of tensile strength - Are drum shell plates welded  
 If fusion welded, state name of welding firm - Have all the requirements of the Rules  
 Description of riveting: Circ. seams - long. seams -  
 Pitch of rivets - Thickness of straps - Percentage strength of  
 Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Steam Drum Heads or Ends: Range of tensile strength -  
 Radius or how stayed - Size of manhole or handhole -  
 Inside diameter - Thickness of plates - Range of tensile strength -  
 If fusion welded, state name of welding firm - Have all the requirements of the Rules  
 Description of riveting: Circ. seams - long. seams -  
 Pitch of rivets - Thickness of straps -  
 Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Water Drum Heads or Ends: Range of tensile strength -  
 Radius or how stayed - Size of manhole or handhole -  
 Number two Material S.M. steel Thickness 16 mm Tested by hydraulic pressure to 22.5 atm  
 32 mm Thickness 3 mm Number 36 tube elements  
 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 -

Plates: Range of tensile strength - Thickness - Radius or how stayed -  
 TER, Drums or Headers: Number in each boiler - Inside diameter -  
 Material - Range of tensile strength -  
 If fusion welded, state name of welding firm - Have all the requirements of the Rules  
 Description of riveting: Circ. seams - long. seams -  
 Pitch of rivets - Thickness of straps - Percentage strength of  
 Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of

Drum Heads or Ends: Thickness - Range of tensile strength -  
 Size of manhole or handhole - Number, diameter, and thickness of tubes -  
 Date of test - Is a safety valve fitted to each section of the superheater which  
 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

The foregoing is a correct description,  
 Is the approved plan of boiler forwarded herewith yes  
 Total No. of visits 5  
 progress of 14.12.51, 4.2.52  
 erection on 24.3., 28.3., 8.4.52

duplicate of a previous case yes If so, state vessel's name and report No. "DAGMAR SALÉN," Rpt.No.355.  
 REMARKS (State quality of workmanship, opinions as to class, &c. These boilers have been constructed under Special  
 conformity with the Society's Rules and Regulations, the approved plans and the Secretary's letters. The  
 d workmanship are good. The boilers have been examined during construction, properly installed in the above  
 fined under working conditions and found good.

When applied for 19  
 Expenses (if any) £ 360.00 : When received 19

TUES. 15 JUL 1952

Engineer Surveyor to Lloyd's Register of Shipping.

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