

Rpt. 5c.

REPORT ON WATER TUBE BOILERS.

No. 23442

25 MAY 1960

Received at London Office.

Date of writing Report 14-5-1960 When handed in at Local Office 11-5-1960 Port of Amsterdam
 No. in Survey held at Amsterdam Date, First Survey 25-3-1960 Last Survey 23rd April 1960
 Reg. Book. (Number of Visits 8)
 on the
 Built at Rotterdam By whom built Verolme United Shipyards Yard No. 633 When built
 Engines made at By whom made Engine No. When made
 Boilers made at Amsterdam By whom made Hk. Jonker Boiler No. 590 & 591 When made
 HS for Register Book Owners Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Messrs. Ruhrstahl A.G. Henrichhutte Hattingen

Date of Approval of plan 7th January 1960 Amsterdam sq. in. No. and Description or Type
 of Boilers 2 standard CVI of Thermodyn Eng. NV. Working Pressure 200 lb Tested by Hydraulic Pressure to 350 lbs sq. in. Boiler No. 590-
 No. of Certificate Boiler 590-659 Can each boiler be worked separately. Total Heating Surface of Boilers each 154 m² (1700 sq. ft.)
 Half Economisers none Is forced draught fitted yes Area of Fire Grate (coal) in each Boiler oil fired
 No. and type of burners (oil) in each boiler one type Saacke SKV100 No. and description of safety valves on

each boiler will be fitted at the Yard Area of each set of valves per boiler 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 Height of boiler 4650 mm

Width and length 3000 x 5625 mm Steam Drums:—Number in each boiler one Inside diameter 1158 mm
 Thickness of plates 21 mm Range of tensile strength 53,8 - 55,5 kg/mm² Are drum shell plates welded
 or flanged welded If fusion welded, state name of welding firm Ruhrstahl AG, Heinrichhutte Hattingen Have all the requirements of the Rules
 for Class I vessels been complied with yes 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 38 mm & 51 mm Pitch of tube holes 74 x 80 mm
 Percentage strength of shell in way of tubes 46% and 51% Steam Drum Heads or Ends:—Range of tensile strength 53,7 - 54,1 kg/mm²

Thickness of plates 21 mm Radius 1200 mm Size of manhole or handhole 300 x 400 mm Water Drums:—Number
 in each boiler one Inside diameter 1008 mm Thickness of plates 21 mm Range of tensile strength 53,7 - 54,1 kg/mm² Are drum shell plates
 welded or flanged welded If fusion welded, state name of welding firm Ruhrstahl AG Heinrichhutte Hattingen Have all the requirements of the Rules
 for Class I vessels been complied with yes 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 38 mm & 51 mm Pitch of tube holes 67 x 80 mm
 Percentage strength of drum shell in way of tubes 43,8 & 50% Water Drum Heads or Ends:—Range of tensile strength 53,7 - 54,1 kg/mm²

Thickness of plates 21 mm Radius 1050 mm Size of manhole or handhole 300 x 400 mm
 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
 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:—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

The foregoing is a correct description,

Thermodyn Eng. NV.

Manufacturer.

Dates During progress of work in shops - March 25, April 9, 14, 16, 20, 21, 19, 23 Is the approved plan of boiler forwarded herewith approved
 of Survey while During erection on board vessel - Total No. of visits 8
 building

Is 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 boilers have been made under Special Survey in accordance with approved plans, Secretary letters and
 Society Rules. Materials tested as required and workmanship found good.

In my opinion these boilers merit the approval of the Committee.

Survey Fee ... f. 575,- When applied for 21/5/1960
 Travelling Expenses (if any) f. 38,- When received 19
 turnover tax f. 25,54

FRIDAY - 2 DEC 1960

Date

Committee's Minute

See Rpt. 1

Engineer Surveyor to Lloyd's Register of Shipping.
 C. van der Linden.

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