

REPORT ON WATER TUBE BOILERS.

No. 6597

Primary Circuit.

Received at London Office

20 JUN 1958

ing Report 5. 6. 58 When handed in at Local Office 19
 Survey held at Hamburg Date, First Survey 5. 2. 58 Last Survey 30. 5. 58
 (Number of Visits 19)
 on the S. S. Yard No 220
 By whom built Grodogradiliste Wjanik 220
 By whom made Messner Eisenwerk
 By whom made Messner Eisenwerk
 Owners
 Port belonging to

TUBE BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel
 approval of plan 11. 9. 57, 25. 9. 57, 23. 12. 57, 15. 11. 57
 2x Indirect Evaporation Boilers Working Pressure 50 kg/cm² Tested by Hydraulic Pressure to 78.5 kg/cm² Date of Test 2. 5. 58
 Can each boiler be worked separately yes Total Heating Surface of Boilers 2x 2362.2 Superheaters none
 Is forced draught fitted yes Area of Fire Grate (coal) in each boiler
 No. and description of safety valves on
 of burners (oil) in each boiler 2x Gifford-type pressure type regulating
 Area of each set of valves per boiler
 Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter
 Smallest distance between boilers or uptakes and bunkers or woodwork
 Height of boiler 6755 mm
 Steam Drums:—Number in each boiler one Inside diameter 900 mm
 Range of tensile strength 55.8 kg/mm
 Are drum shell plates welded
 If fusion welded, state name of welding firm Rüttschalt A. G. Hamburg
 Have all the requirements of the Rules
 Description of riveting:—Circ. seams long. seams
 Pitch of rivets Thickness of straps Percentage strength of
 Diameter of tube holes in drum 32 mm Pitch of tube holes 58 mm
 Steam Drum Heads or Ends:—Range of tensile strength 54 kg/cm²
 Size of manhole or handhole 320 x 425 mm Water Drums:—Number
 Range of tensile strength 54.1 kg/cm² Are drum shell plates
 If fusion welded, state name of welding firm Rüttschalt A. G. Hamburg
 Have all the requirements of the Rules
 Description of riveting:—Circ. seams long. seams
 Pitch of rivets Thickness of straps Percentage strength of
 Diameter of tube holes in drum 32 mm Pitch of tube holes 58 mm
 Water Drum Heads or Ends:—Range of tensile strength 55.5 kg/cm²
 Size of manhole or handhole 300 x 400 mm
 Material SM-Steel Thickness 4 + 3 mm Number 196 + 372 (all 568) Tested by hydraulic pressure to 78.5 kg/cm²
 Diameter 44.5 + 32 mm Thickness 4 + 3 mm Number 196 + 372 (all 568) Steam Dome or Collector:—Description of
 Thickness of shell plates 13
 Range of tensile
 If fusion welded, state name of welding
 Description of longitudinal joint
 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
 Range of tensile strength
 Thickness Radius or how stayed
 Inside diameter
 HEATER, Drums or Headers:—Number in each boiler
 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
 Diameter of tube holes in drum Pitch of tube holes Percentage strength of
 Plate Rivet Thickness Range of tensile strength
 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
 Shut off from the boiler No. and description of safety valves Area of each set
 Pressure to which they are adjusted Is easing gear fitted
 Gear. Has the spare gear required by the Rules been supplied yes

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith

Total No. of visits will be sent with the last boilers

oilier a duplicate of a previous case. no If so, state vessel's name and report No.
 RAL REMARKS (State quality of workmanship, opinions as to class, etc.) This Primary Circuit has been built
 for special survey in conformity with the Society's Rules and Regulations, the approved
 plans and the Secretary's letters. The material and workmanship are good. The circuit
 has been hydraulically tested on completion and found sound and tight and on com-
 pletion submitted to the Secretary's Circuit.

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

Date FRIDAY 10 JUL 1959

Surveyor's
 Date

Engineer Surveyor to Lloyd's Register of Shipping

These Boilers have been satisfactorily installed in the
 ship "OSTRAVA" safety valves adjusted under steam and
 accumulation test carried out on completion with
 satisfactory results.

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