

927

Rpt. 5c

REPORT ON WATER TUBE BOILERS.

No. 42

Date of writing Report 19 When handed in at Local Office 19 Received at London Office 16 MAR 1964
 No. in Survey held at Reg. Book. Date, First Survey. Port of Milan Last Survey 19
 on the (Number of Visits) Gross Tons Net Tons
 Built at Genoa-Sestri By whom built Ansaldo S.p.A. Yard No. 1595 When built
 Engines made at Palazzolo S/O (Brescia) By whom made F. Casinghini, Milan Engine No. When made
 Boilers made at Palazzolo S/O (Brescia) By whom made F. Casinghini, Milan Boiler No. CDM. 62133 When made 1963/64
 HS for Register Book. Owners. Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Tubes and Headers: Dalmine S.p.A., Milan
 Date of Approval of plan 18.1.63 - drwg. No. CDM. 62131-36/1.

of Boilers One: Waste Heat Boiler Working Pressure 12 Kg/cm² Tested by Hydraulic Pressure to see remarks No. and Description or Type
 No. of Certificate Can each boiler be worked separately. Total Heating Surface of Boilers 2676 m² Date of Test
 Half Economisers Is forced draught fitted. Area of Fire Grate (coal) in each Boiler Superheaters

No. and type of burners (oil) in each boiler exhaust gas No. and description of safety valves on
 each boiler (superheater bank 1 - N.D. 40 mm. economiser bank 1 - N.D. 25 mm. steaming bank 1 - N.D. 3" (double)) Area of each set of valves per boiler (per rule 1256 mm² as fitted 400 mm² respectively) Pressure to which they are adjusted 12.6 Kg/cm² 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 6750 mm.
 Width and length 3533, 4190 mm. Steam Drums:—Number in each boiler. 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 welded or flanged. If fusion welded, state name of welding firm. Are drum shell plates 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. Thickness of plates. Radius or how stayed. Size of manhole or handhole. Tested by hydraulic pressure to see remarks

Headers or Sections:—Number 6 Material Ag. 45 UNI. 663 Thickness 8 & 5.5 mm. Size of manhole or handhole. Tested by hydraulic pressure to see remarks
 Tubes:—Diameter 38 x 32 mm. Thickness 3 mm. Number 624 Steam Dome or Collector:—Description of strength. 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. 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.
 1.35 UNI. 663 mild steel: UTS min. 35 Kg/mm², YP 21 Kg/mm², Elong. 23%
 1.45 UNI. 663 mild steel: UTS min. 45 " " " 24 " " " 19%
 The foregoing is a correct description of the material.
 F. CASINGHINI
 F. CASINGHINI ECONOMIZZATORI GIULIANI
 Manufacturer.

Dates During progress of work in shops 3.5.63, 24.6.63, 25.10.63, 18.2.64
 Survey while building During erection on board vessel
 Is the approved plan of boiler forwarded herewith no.
 Total No. of visits.

Is this boiler a duplicate of a previous case. yes If so, state vessel's name and report No. Rpt. 40 - Yard No. 1594 Ansaldo-Sestri.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The above boiler was examined at the Works in the conditions described in our certificate No. M/2666 attached, and despatched to the Shipyard for completion and hydraulic testing, to the satisfaction of the Society's Surveyors in Genoa.

Survey Fee ... Lit. 211.400 When applied for 9/3/ 1964
 Travelling Expenses (if any) Lit. 12.500 When received - 19
 Revenue Tax.....Lit. 7.389
 Date Milan, 3rd March, 1964
 (D. Lamuraglia) & (H.E. HUNT)
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute See Gen 29129
 FRIDAY 30 OCT 1964
 012078-012088-0399

Noted
 My
 17/4/64

