

REPORT ON WATER TUBE BOILERS.

No. 21512

Received at London Office 22 MAY 1956

Date of writing Report 26/4/1956 When handed in at Local Office 2/5/1956 Port of GENOA
 No. in Survey held at GENOA Date, First Survey 26/8/55 Last Survey 7/4/1956
 Reg. Book. (Number of Visits 5) Tons (Gross 11249 (provisional) Net)
 on the st. sn. sc. M/V "GIACINTO MOTTA"
 Built at La Spezia - Muggiano. By whom built S.A. Ansaldo, Cant. di Muggiano Yard No. 1504 When built 1956
 Engines made at Sampierdarena. By whom made S.A. Ansaldo, Stab. Meccanico Engine No. 757001 When made 1955
 Donkey made at Genoa By whom made Cantieri del Tirreno Boiler No. 4767/d When made 1955
 Nominal Horse Power (ECONOMISER) Owners "CARBOGAS" Soc. di Navigaz. S.p.A. Port belonging to Palermo

WATER TUBE BOILERS ~~MANUFACTURED BY~~ DONKEY. Manufacturers of Steel Acciaierie & Ferriere Pugliesi, Bari.
 Date of Approval of plan 13/4/1955 No. and Description or Type Fabbbrica Italiana Tubi, Sestri Levante.

of Boilers One-La Mont ex. gas D. Boiler (economiser) Working Pressure 7 kg/cm² Tested by Hydraulic Pressure to 14 kg/cm² Date of Test 24/11/55
 No. of Certificate 337 Can each boiler be worked separately. Total Heating Surface of Boilers 85 sq. metres

Is forced draught fitted exhaust gas Area of Fire Grate (coal) in each Boiler
 No. and type of burners (oil) in each boiler No. and description of safety valves on

each boiler 1 - As relief valve- ordinary spring loaded Area of each set of valves per boiler (per rule - as fitted 1590 mm²) Pressure to which they

are adjusted 7 kg/cm² Are they fitted with easing gear. 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 2950 mm

Width and length 1624 & 1496 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

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 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 14 kg/cm²
 Headers or Sections: Number two Material S.M. Steel Thickness 8 mm

Tubes: Diameter 32 mm Thickness 3 mm Number of coils 11 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. plate. rivet.

Pitch of rivets. Thickness of straps. Percentage strength of long. joint. Thickness. Radius or how stayed.
 Crown or End Plates: Range of tensile strength. Thickness. Radius or how stayed.

Economiser (preheater) 1 - of 1 coil only Inside diameter of pipe used: 32 x 3 mm.
 Thickness. Material S.M. Steel 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,
 CANTIERI DEL TIRRENO
 Palermo Manufacturer.

Dates During progress of work in shops 26/8/55 - 24/11/55 Is the approved plan of boiler forwarded herewith. no
 while During erection on board vessel 15/9/56 - 7/4/56 Total No. of visits 5

Is this boiler a duplicate of a previous case. yes If so, state vessel's name and report No. M/V "Giovanni Agnelli", Genoa Rpt. No. 21459.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. This donkey boiler, economiser, has been
 constructed in accordance with the approved plans, Secretary's letter and Rule Requirements. The
 materials & workmanship and welding technique are good. Upon completion, this economiser has been
 examined under hydraulic pressure to 14 kg/cm² and found tight & sound in every respect at that
 pressure. Afterwards this economiser has been satisfactorily fitted & fixed on board, examined under
 working condition and its relief valve adjusted to open at 7 kg/cm².

Survey Fee 30,600 When applied for 2/12/1955
 Travelling Expenses (if any) 612 When received 1956
 REVENUE 1056
 Date FRIDAY 15 JUN 1956
 Committee's Minute See Rpt. 4 p.