

# REPORT ON WATER TUBE BOILERS.

No. 5411

Received at London Office 29 MAR 1954

Port of writing Report 19 When handed in at Local Office 19 Port of NAPLES.  
 No. in Survey held at TARANTO. Date, First Survey 5/11/53 Last Survey 3/2/ 1954  
 Reg. Bk. on the Motor Tanker "AGOSTINO FASSIO". (Number of Visits 4) Tons { Gross  
 Net  
 Built at Taranto By whom built Cantiere Navale di Taranto When built 1954  
 Engines made at Turin By whom made FIAT S.G.M. When made 1953  
 Boilers made at Brescia & Taranto By whom made FRANCO TOSI S.p.A. Legnano. When made 1954  
 Nominal Horse Power Owners FASSIO Soc. An. Navigaz. Port belonging to

WATER TUBE BOILERS ~~MAIN~~ ~~AUXILIARY~~ ~~OR~~ DONKEY. — Manufacturers of Steel ACC. Ferr. Lomb. RAIL. Concordia.

Date of Approval of plan 20th February 1953 Number and Description or Type

of Boilers Two. Sectional Header. Working Pressure 12.65 Kg Tested by Hydraulic Pressure to 24.5 Kg Date of Test 7/12/53

No. of Certificate 14 & 15 Nap Can each boiler be worked separately Yes. Total Heating Surface of Boilers 440 Sq. Mtrs. Oil Fired.

Is forced draught fitted Yes. Area of fire grate (coal) in each Boiler Two. Todd's Safety Catch. No. and description of safety valves on

each boiler Two High Lift. 70 mm dia. Area of each set of valves per boiler { per rule As Approved. Pressure to which they

are adjusted 12.65 Kg. 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 Well Clear. Height of boiler 4250 mm

Width and Length 2805 & 4393 mm Steam Drums:— Number in each boiler One Inside diameter 1074 mm.

Thickness of plates 13 mm. Tube Plate. Range of Tensile Strength 42.7 to 45.8 Kgs. Are drum shell plates welded

or flanged Welded. If fusion welded, state name of welding firm Messrs Acc. & Tubificio di Brescia Have all the requirements of the rules

for Class I vessels been complied with Yes. Description of riveting:— Cir. 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 91 mm Pitch of tube holes 177.8 mm.

Percentage strength of shell in way of tubes As Approved. Steam Drum Heads or Ends:— Range of tensile strength 30/35 Tons

Thickness of plates 15 & 20 mm Radius or how stayed 880 mm. Size of manhole or handhole 300 x 400 mm. 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:— Cir. seams = long. seam =

Diameter of rivet holes in long. seams = Pitch of rivets = Thickness of straps = Pitch of tube holes =

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 =

Leaders or Sections:— Number 22 & 21 mud Material ASME Steel Thickness 14 & 20 mm. Tested by Hydraulic Pressure to 400 lbs/in<sup>2</sup>

Tubes:— Diameter 102 = 451 = 32 mm Thickness 5.5 = 4.5 = 3 mm. Number 22 = 42 = 608 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 of 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 =

Brown 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:— Cir. 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 Yes.

The foregoing is a correct description, FRANCO TOSI Manufacturer.

Is the approved plan of boiler forwarded herewith Yes.

Dates of Survey { During progress of work in shops - - } 5/11/53, 27/11/53, 7/12/53, 3/2/54 Total No. of visits Four.

while building { During erection on board vessel - - - } FRIDAY - 2 APR 1954

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 properly

erected in the vessel and hydraulically tested on completion. They have been constructed of approved

materials in accordance with the Society's Rules, approved plans & Secretary's letters. The Safety Valves

have been adjusted to approved pressure. They are eligible in our opinion to be included in the LMC record.

Survey Fee ... £183,600 : When applied for, 19 = 2 = 154

Travelling Expenses (if any) £80,260 : When received, 19

Rev. Tax £7,916

Committee's Minute Assigned See Rpt. 442

E. F. Butler  
 Engineer Surveyor to Lloyd's Register of Shipping.

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