

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. Last Survey 19
on the (Number of Visits) Gross Tons Net
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 HS for Register Book. Owners. Boiler No. CDM. 62133 When made 1963/64
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
(superheater bank 1 - N.D. 40 mm. Pressure to which they

each boiler (economiser bank 1 - N.D. 25 mm. Area of each set of valves per boiler per rule (1256 mm² respectively
(steaming bank 1 - N.D. 3" (double) as fitted (400 mm² respectively

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

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
Headers or Sections:—Number 6 Material Ag. 45 UNI. 663 Thickness 8 & 5.5 mm. Tested by hydraulic pressure to see remarks

Tubes:—Diameter 38 x 32 mm. Thickness 3 mm. Number 624 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 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
ong. 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

f 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 boiler.

F. CASINGHINI ECONOMICIZZATORI MILANO Manufacturer.

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

Committee's Minute See Gen 29129

FRIDAY 30 OCT 1964

Engineer Surveyor to Lloyd's Register of Shipping.

(D. Lamuraglia) & (H. E. HUNT)

Lloyd's Register Foundation

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