

REPORT ON WATER TUBE BOILERS.

No. 347714

Received at London Office

13 MAY 1952

Reporting Report 26-3-1952 When handed in at Local Office 19 Port of Rotterdam
 Survey held at Rotterdam Date, First Survey 20-11-50 Last Survey 16-1-1952
 (Number of Visits 8) Tons Gross 1167.4 Net 652.6
 on the M.V. "Comodoro Rivadavia"
 Rotterdam By whom built P. Smit & Co. N.V. Yard No. 599 When built 1952
 Rotterdam By whom made P. Smit & Co. N.V. Engine No. 675-676 When made 1952
 Rotterdam By whom made P. Smit & Co. N.V. Boiler No. 40749 When made 1952
 Owners/Compañías Petrolíferas Fiscales Port belonging to Buenos Aires

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel Houttenmark Hauchingen A.G.

Approval of plan 23/6/49 No. and Description or Type
 Two exhaust gas boilers Working Pressure 12.6 kg/cm² Tested by Hydraulic Pressure to 23 kg/cm² Date of Test 26-2-51
 Certificate 1127-1128 Can each boiler be worked separately Yes Total Heating Surface of Boilers 200 m²
 draught fitted Area of Fire Grate (coal) in each Boiler

No. and description of safety valves on
 type of burners (oil) in each boiler
 Two, spring loaded, high lift type Area of each set of valves per boiler
 per rule as fitted 14.2 cm² Pressure to which they

Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter
 boiler No Smallest distance between boilers or uptakes and bunkers or woodwork No bunkers or woodwork near boilers Height of boiler 3720 mm
 length Outside dia. 1460 mm Steam Drums: Number in each boiler One Inside diameter 1440 mm
 of plates 14 mm Range of tensile strength 44/50 kg/cm² Are drum shell plates welded

If fusion welded, state name of welding firm Have all the requirements of the Rules
 I vessels been complied with Description of riveting:—Circ. seams Single lap joint long. seams double riveted
 of rivet holes in long. seams 23 mm Pitch of rivets 70 mm Thickness of straps Lap joint Percentage strength of

Plate App'd Rivet App'd Diameter of tube holes in drum tube plate 39 mm Pitch of tube holes 60 mm
 ge strength of shell in way of tubes Steam Drum Heads or Ends: Range of tensile strength 41/47 kg/cm²
 of plates 19 mm Radius or how stayed R = 1270 mm Size of manhole or handhole 300 X 400 mm Water Drums: Number

boiler One Inside diameter 1440 mm Thickness of plates 14 mm Range of tensile strength 44/50 kg/cm² Are drum shell plates
 or flanged No If fusion welded, state name of welding firm Have all the requirements of the Rules
 I vessels been complied with Description of riveting:—Circ. seams Single lap joint long. seams double riveted
 of rivet holes in long. seams 23 mm Pitch of rivets 70 mm Thickness of straps Lap joint Percentage strength of

ge strength of long. joint:—Plate App'd Rivet App'd Diameter of tube holes in drum tube plate 38 mm Pitch of tube holes 60 mm
 ge strength of drum shell in way of tubes Water Drum Heads or Ends: Range of tensile strength 41/47 kg/cm²
 of plates 19 mm Radius or how stayed R = 1270 mm Size of manhole or handhole 300 X 400 mm

or Sections: Number Material Thickness Tested by hydraulic pressure to
 Diameter 38 mm Thickness Plain tubes 2.75 mm Stay tubes 6 mm Number plain 360 Stay 59 Steam Dome or Collector: Description of
 shell Inside diameter Thickness of shell plates Range of tensile

Description of longitudinal joint If fusion welded, state name of welding
 Have all the requirements for the Rules for Class I vessels been complied with Diameter of rivet holes
 rivets Thickness of straps Percentage strength of long. joint plate rivet

or End Plates: Range of tensile strength Thickness Radius or how stayed
 RHEATER, Drums or Headers: Number in each boiler Not fitted Inside diameter
 Material Range of tensile strength Are drum shell plates welded

If fusion welded, state name of welding firm Have all the requirements of the Rules
 I vessels been complied with Description of riveting:—Circ. seams long. seams
 of rivet holes in long. seams Pitch of rivets Thickness of straps Percentage strength of

int:—Plate Rivet Diameter of tube holes in drum Pitch of tube holes Percentage strength of
 shell in way of tubes Drum Heads or Ends: Thickness Range of tensile strength
 or how stayed Size of manhole or handhole Number, diameter, and thickness of tubes

by hydraulic pressure to 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,
 P. Smit & Co. N.V. Manufacturer.

During progress of work in shops 1950: Nov 20 Dec 12 Is the approved plan of boiler forwarded herewith 23/6/49
 1951: Jan 4 Feb 1-26
 During erection on board vessel 1951: Dec 12-13 Total No. of visits 8
 1952: Jan 14/16

boiler a duplicate of a previous case Yes If so, state vessel's name and report No. "Director Madariaga" Rpt 32583D
 GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been constructed of
 materials under Special Survey in accordance with the approved plans, Society's Rules
 secretaries letters They have been tested by hydraulic pressure and satisfactorily fitted on board
 vessel. The workmanship is good throughout. Safety valves have been adjusted under steam
 to the Working Pressure.

Survey Fee ... fl 405.- When applied for 1952
 Travelling Expenses (if any) fl 2.- When received 28/1 1952

Date FRI. 13 JUN 1952
 Engineer Surveyor to Lloyd's Register of Shipping.

Signature of Engineer Surveyor
 Date
 Signature of Officer in Charge

Signature of Officer in Charge
 Date

20552

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