

REPORT ON WATER TUBE BOILERS.

No. 32583^D

Received at London Office 10 AUG 1950

Writing Report 3/7/1950 When handed in at Local Office 19 Port of Rotterdam
 Survey held at Rotterdam Date, First Survey 25/11/49 Last Survey 1/6/1950
 (Number of Visits 7) Tons { Gross 11633.21
 Net 6533.05
 on the M.V. Director Madariaga
 By whom built P. Smit Jr. N.V. When built 1950
 By whom made P. Smit Jr. N.V. When made 1950
 By whom made P. Smit Jr. N.V. When made 1950
 Owners Yacimientos Petroliferos Fiscales Port belonging to Buenos Aires
 Horse Power

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Hüttenwerk Hoesch & Co. A.G.

Number and Description or Type
 of Approval of plan 23/6/49
 Two exhaust gas boilers Working Pressure 12.6 kg Tested by Hydraulic Pressure to 22.5 kg Date of Test 24/1/50
 Certificate 1092/1093 Can each boiler be worked separately Yes Total Heating Surface of Boilers 200 m² = 2600 ft²
 draught fitted Area of fire grate (coal) in each Boiler

No. and description of safety valves on
 and type of burners (oil) in each boiler

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
 Height of boiler 3720 mm

Smallest distance between boilers or uptakes and bunkers or woodwork No bunkers or woodwork near boilers
 Inside diameter 440 mm

Steam Drums:—Number in each boiler One Range of Tensile Strength 44/50 kg/cm² Are drum shell plates welded
 Have all the requirements of the rules

Description of riveting:—Cir. seams single lap joint long. seams double riveted lap joint.
 Thickness of straps Percentage strength of

Pitch of rivets 70 mm Diameter of tube holes in drum tube plate 39 mm Pitch of tube holes 60 mm
 Steam Drum Heads or Ends:—Range of tensile strength 41/47 kg/cm²

Water Drums:—Number
 Are drum shell plates

Have all the requirements of the rules
 Description of riveting:—Cir. seams single lap joint long. seam double riveted lap joint.

Thickness of straps Percentage strength of
 Pitch of rivets 70 mm Diameter of tube holes in drum tube plate 38 mm Pitch of tube holes 60 mm

Water Drum Heads or Ends:—Range of Tensile strength 41/47 kg/cm²
 Size of manhole or handhole 300 x 400 mm

Radius or how stayed R = 1270 mm
 Thickness of plates 14 mm

Tested by Hydraulic Pressure to
 Steam Dome or Collector:—Description of

Range of tensile
 If fusion welded, state name of welding

Diameter of rivet holes
 Plate Rivet

Radius or how stayed
 Inside Diameter

Are drum shell plates welded
 Have all the requirements of the rules

long. seams
 Percentage strength of

Percentage strength of
 Thickness

Range of tensile strength
 Number, diameter, and thickness of tubes

Is a safety valve fitted to each section of the superheater which
 Area of each set

Is easing gear fitted
 No. and description of Safety Valves

Pressure to which they are adjusted
 Has the spare gear required by the rules been supplied Yes

The foregoing is a correct description,
 P. Smit Jr. N.V. Manufacturer.

Is the approved plan of boiler forwarded herewith 23/6/49
 Total No. of visits 7

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.) The boilers have been constructed
 tested materials under special survey in accordance with the approved plans, Society's
 les and Secretary's letters. They have been tested by hydraulic pressure and satisfactorily
 ed on board the vessel. The workmanship is good. Safety valves adjusted under steam to W.P.

Thickness of washers: Port F 19.4 A 19.5 mm
 Starb. F 18.8 A 18.6 mm

Survey Fee ... £ 405:— : When applied for, 10/6 19 50
 Travelling Expenses (if any) £ : : When received, 15/7 19 50

Committee's Minute
 ned See R.E. mch. rpt.

FRI. 17 NOV 1950
 Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
 Foundation

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