

REPORT ON WATER TUBE BOILERS.

No. 133852

Received at London Office 3 OCT 1951

Date of writing Report 27 Aug. 1951 When handed in at Local Office 4 Sept 1951 Port of LIVERPOOL
 No. in Survey held at Birkenhead Date, First Survey 16/6/49 Last Survey 27 August 1951
 Reg. Book. on the single screw steamer "PRESIDENTE PERON" (Number of Visits) Tons 12741
 Gross 12741
 Net 7395
 Built at Birkenhead By whom built Cammell, Laird & Co. Ltd. Yard No. 1205 When built 1951
 Engines made at Birkenhead By whom made Cammell, Laird & Co. Ltd. Engine No. 1205 When made 1951
 Boilers made at Birkenhead By whom made Cammell, Laird & Co. Ltd. Boiler No. 1205 When made 1951
 Nominal Horse Power See Rpt. 4a Owners Gasimientos Petroliferos Fiscales Port belonging to Buenos Aires

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY—Manufacturers of Steel Colville, Ltd.
 Date of Approval of plan 22.6.49 re. Suppl. 49514 No. and Description or Type
 of Boilers 2 B+W Sectional Header Working Pressure 480 lb Tested by Hydraulic Pressure to 793 lb Date of Test 9-1-51
 No. of Certificate 2791 2792 Can each boiler be worked separately yes Total Heating Surface of Boilers 10,938 sq. ft. Suppl. 1680 sq. ft.
 Is forced draught fitted yes Area of Fire Grate (coal) in each Boiler
 No. and type of burners (oil) in each boiler 4 wallburn

each boiler one double 2 1/2" Improved High Lift Area of each set of valves per boiler per rule 6.70" Pressure to which they
as fitted 9.80"

are adjusted 480 lb Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter
 the donkey boiler no Smallest distance between boilers or uptakes and bunkers or woodwork well clear Height of boiler 24'-0"

Width and length 17'-0" x 15'-0" Steam Drums:—Number in each boiler one Inside diameter 3'-6"
 Thickness of plates 1 3/4" Range of tensile strength 28-32 T/O" Are drum shell plates welded

or flanged welded If fusion welded, state name of welding firm Baker & Wilson, Ltd. Have all the requirements of the Rules
 for Class I vessels been complied with yes 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 4" Pitch of tube holes 7 1/4"

Percentage strength of shell in way of tubes 43-44 Steam Drum Heads or Ends:—Range of tensile strength 26-30 T/O"
 Thickness of plates 1 5/8" Radius or how stayed 3'-0" Size of manhole or handhole 16 x 12" Water Drums:—Number

in each boiler none 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 22 Material SA Steel Thickness 7/16" min. Tested by hydraulic pressure to 793 lb

Tubes:—Diameter 4" + 1 1/16" Thickness 2+4, 7+9 LSG Number 70, 979 MUD DRUM
 joint to shell hippled Inside diameter 6" square Thickness of shell plates 3/4" Steam Dome or Collector:—Description of

strength 28-32 T/O" Description of longitudinal joint solid drawn 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 inlet, 1 outlet Inside diameter 9 1/2"
 Thickness 1 1/4" Material SA Steel Range of tensile strength 28-32 T/O" 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 1 1/2" Pitch of tube holes 2 1/8" Percentage strength of

drum shell in way of tubes ✓ Drum Heads or Ends:—forged Thickness 1 1/8" min. Range of tensile strength ✓
 Radius or how stayed ✓ Size of manhole or handhole 3 5/8" square Number, diameter, and thickness of tubes 84, 1 1/2", 99

Tested by hydraulic pressure to 793 lb Date of test 9-1-51 5-2-51 Is a safety valve fitted to each section of the superheater which
 can be shut off from the boiler integral No. and description of safety valves one 2 1/2" single Improved High Lift Area of each set

of valves 4.9.0" Pressure to which they are adjusted 470 lb Is easing gear fitted yes
 Spare Gear. Has the spare gear required by the Rules been supplied yes

CAMMELL LAIRD AND COMPANY LIMITED.
 The foregoing is a correct description,

Manufacturer.

Dates of Survey
 During progress of work in shops - -
 while building
 During erection on board vessel - -

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. GENERAL SAN MARTIN.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been constructed under special survey in accordance with the Approved Plans, the Society's Rules and the Secretary's letters. The materials and workmanship are good. They have been properly installed in the vessel and tried under working conditions with satisfactory results.

Survey Fee ... : : When applied for 19.
 Travelling Expenses (if any) £ : : When received 19.

Date LIVERPOOL 22 OCT 1951

Committee's Minute See Minute on H. Hoby Rpt.

Engineer Surveyor to Lloyd's Register of Shipping.

© 2020

Lloyd's Register Foundation

008751-008752-0069