

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 Yacimientos Petroliferos Fiscales Port belonging to Buenos Aires

Handwritten initials/signature

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Colville, Ltd.

Date of Approval of plan 22.6.49 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.; Supl. 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 No. and description of safety valves on each boiler one double 2 1/2" Improved High Lift Area of each set of valves per boiler Pressure to which they 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/0" 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/0"
 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 SD Steel Thickness 7/16" min. Tested by hydraulic pressure to 793 lb
 Tubes:—Diameter 4" + 1 13/16" Thickness 2+4, 7+9 LSG Number 70, 979 Steam Dome or Collector:—Description of joint to shell hippled Inside diameter 6" square Thickness of shell plates 3/4" Range of tensile strength 28-32 T/0" 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 plate rivet

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 SD Steel Range of tensile strength 28-32 T/0" 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 sq. ft. 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,
[Signature] Manufacturer.
 ENGINEERING MANAGER

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 1-2 OCT 1951
 Committee's Minute See Minute on H. Kelly Rpt.

If not, state whether, and when, one will be sent? Is a Report also sent to the Agent of the Ship?

Form 48



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