

Rpt. 5c.

REPORT ON WATER TUBE BOILERS.

No. 76570

JAN 1951

Received at London Office

Date of writing Report 31. 12. 1950 When handed in at Local Office 3. 1. 1951 Port of Glasgow.
 No. in Survey held at Renfrew. Date, First Survey 1st October 1949 Last Survey 26. 12. 1950
 Reg. Book. S.S. "PRESIDENTE PERON." Number of Visits 29 Gross Tons 1205 Net Tons 1098
 on the Birkenhead By whom built Cammell Laird & Co., Ltd. Yard No. 1205 When built 1925
 Engines made at -do- By whom made -do- Engine No. 1205 When made 1925
 Boilers made at Renfrew By whom made Babcock & Wilcox Ltd., Boiler No. 6/1998 When made 1925
 Nominal Horse Power 1000 Owners Colvilles Limited Port belonging to Glasgow

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Colvilles Limited

Date of Approval of plan 22.6.49 etc. Design press. 495 lb. Drums No. and Description or Type 2 B & W Marine
 of Boilers 2 B & W Marine Working Pressure 480 lb. Tested by Hydraulic Pressure to 990 lb. Date of Test 8. 31.3.50.

No. of Certificate - Can each boiler be worked separately - Total Heating Surface of Boilers 10,938 sq.ft.
 Is forced draught fitted - Area of Fire Grate (coal) in each Boiler 1680 sq.ft.
 No. and type of burners (oil) in each boiler - No. and description of safety valves on -

each boiler one 2 1/2" I.H.L. double (not B & W supply) Area of each set of valves per boiler - Pressure to which they -
 are adjusted - Are they fitted with easing gear - 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 -

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 tons Are drum shell plates welded -
 or flanged welded If fusion welded, state name of welding firm Babcock & Wilcox 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 1/2"
 Percentage strength of shell in way of tubes 43.44 Steam Drum Heads or Ends:—Range of tensile strength 26/30 tons

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 S.D. Steel Thickness 7/16" nom. Tested by hydraulic pressure to 793 lb.
 Tubes:—Diameter 4" & 1.13/16" Thickness 2 & 4; 7 & 9 LSG Number 70 & 979 MUDDRUM Description of -
 HEADERS nippled Inside diameter 6" square Thickness of shell plates 3/4" Range of tensile -
 joint to 28/32 tons Description of longitudinal joint solid drawn If fusion welded, state name of welding -
 strength - Have all the requirements for the Rules for Class I vessels been complied with - Diameter of rivet holes -
 firm - 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 One inlet & one outlet Inside diameter 9.1/2"
 Thickness 1.1/4" Material S.D. steel Range of tensile strength 28/32 tons 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" sq. Number, diameter, and thickness of tubes 84 @ 1 1/2" dia. 9 sw.g.
 HEADERS Tested by hydraulic pressure to 793 lb. Date of test Nov. & Dec. 1950 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 1 - 2 1/2" I.H.L. single Area of each set -
 of valves - Pressure to which they are adjusted - Is easing gear fitted -

Spare Gear. Has the spare gear required by the Rules been supplied -
 The foregoing is a correct description,
Babcock & Wilcox Ltd. Manufacturer.

Dates of Survey During progress of work in shops - 1949 Oct 7-3 Nov 1-11 Dec 2-21 1950 Jan 11-24 March 1-11 Is the approved plan of boiler forwarded herewith Yes.
while building - 24 May 12-16 June 5-8 14-20 21-26 July 25 Aug 14-21 Sep 4-11 Oct 4-12 Total No. of visits 29

Is this boiler a duplicate of a previous case - If so, state vessel's name and report No. see Gla. Rpt. No. 75669.
 GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The pressure parts of these boilers have been manufactured under special survey in accordance with the Rules and approved plans and the materials and workmanship are good. They have been sent to the Shipbuilders for erection and installation in the vessel.

2/5 Survey Fee £ 52 : 0 : 0 When applied for 19
 Travelling Expenses (if any) £ : : : When received 19
 Welding Fee £ 26 : 0 : 0

Date GLASGOW JAN 1951
 Committee's Minute Deferred for comp.

Engineer Surveyor to Lloyd's Register of Shipping.

© 2020

Lloyd's Register Foundation

0000-257800-157800