

REPORT ON WATER TUBE BOILERS.

Received at London Office

F.E. No. 135046

No. 7651
6 JAN 1951

Reporting Report 31. 12 1950 When handed in at Local Office 3. 1. 1950 Port of Glasgow.
Survey held at Renfrew Date, First Survey 24 October 1949 Last Survey 26 1950
k. on the S.S. EVA PERON (Number of Visits 29) Gross Tons Net
Birkenhead By whom built Cammell Laird & Co. Ltd. Yard No. 1206 When built
made at do- By whom made do- Engine No. When made
made at Renfrew By whom made Babcock & Wilcox Ltd. Boiler No. 6/1999 When made
Horse Power Owners Port belonging to

R TUBE BOILERS MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel Colvilles Ltd.

Approval of plan 22.6.49 etc. Design press. 495 lb Drums No. and Description or Type
2 - B & W Marine Working Pressure 480 lb Tested by Hydraulic Pressure to 990 lb Date of Test 5.6.50
Certificate - Can each boiler be worked separately - Total Heating Surface of Boilers 10,938 sq.ft.
draught fitted Area of Fire Grate (coal) in each Boiler Superheater H.S. 1680 sq.ft.

type of burners (oil) in each boiler No. and description of safety valves on
One - 2 1/2" I.H.L. double (not B & W supply) Area of each set of valves per boiler
Are they fitted with easing gear In case of donkey boilers state whether steam from main boilers can enter

Smallest distance between boilers or uptakes and bunkers or woodwork Height of boiler 24'-0"
and length 17'-0" x 15'-0" Steam Drums: Number in each boiler one Inside diameter 3'-6"

ss of plates 1.3/4" Range of tensile strength 28/32 tons Are drum shell plates welded
ed welded If fusion welded, state name of welding firm Babcock & Wilcox Ltd. Have all the requirements of the Rules

s I vessels been complied with yes Description of riveting: Circ. seams long. seams
Pitch of rivets Thickness of straps Percentage strength of

int: Plate Rivet Diameter of tube holes in drum 4" Pitch of tube holes 7.1/4"
age strength of shell in way of tubes 43.44 Steam Drum Heads or Ends: Range of tensile strength 26/30 tons

ss of plates 1.5/8" Radius or how stayed 3'-0" Size of manhole or handhole 16" x 12" Water Drums: Number
boiler none Inside diameter Thickness of plates Range of tensile strength Are drum shell plates

or flanged If fusion welded, state name of welding firm Have all the requirements of the Rules
s I vessels been complied with Description of riveting: Circ. seams long. seams

Pitch of rivets Thickness of straps Percentage strength of
age strength of long. joint: Plate Rivet Diameter of tube holes in drum Pitch of tube holes

age strength of drum shell in way of tubes Water Drum Heads or Ends: Range of tensile strength
ss of plates Radius or how stayed Size of manhole or handhole

Sections: Number 22 Material S.D. steel Thickness 7/16" nom. Tested by hydraulic pressure to 793 lb.
Diameter 4" & 1.13/16" Thickness 2 & 4: 7 & 9 LSG Number 70 & 979

HEADERS nipped Inside diameter 6" square Thickness of shell plates 3/4" Range of tensile
28/32 tons Description of longitudinal joint solid drawn 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 one inlet & one outlet Inside diameter 9.1/2"

ss 1.1/4" Material S.D. steel Range of tensile strength 28/32 tons Are drum shell plates welded
ed If fusion welded, state name of welding firm Have all the requirements of the Rules

s I vessels been complied with Description of riveting: Circ. seams long. seams
Pitch of rivets Thickness of straps Percentage strength of

er of rivet holes in long. seams Diameter of tube holes in drum 1.1/2" Pitch of tube holes 2.1/8" Percentage strength of
int: Plate Rivet Thickness 1.1/8" min. Range of tensile strength

hell in way of tubes Drum Heads or Ends: forged Thickness 1.1/8" min. Range of tensile strength
or how stayed Size of manhole or handhole 3.5/8" sq. Number, diameter, and thickness of tubes 84 @ 1 1/2" dia. 9 s.w.g.

by hydraulic pressure to 793 lb. Date of test Nov. & Dec. 1950 Is a safety valve fitted to each section of the superheater which
start off from the boiler No. and description of safety valves 1- 2 1/2" I.H.L. single Area of each set

ss Pressure to which they are adjusted Is easing gear fitted
Gear. Has the spare gear required by the Rules been supplied

The foregoing is a correct description,

Babcock & Wilcox Ltd. Manufacturer.

During progress of work in shops 1949 Oct 3 Nov 14 25 Dec 2 21 1950 Jan 12 30 MAR 6 APR 12 MAY 12 15 16 20 24 26 JUL 25 Aug 14 21 30 OCT 4 DEC 29 Is the approved plan of boiler forwarded herewith yes

During erection on board vessel 29 Total No. of visits

boiler a duplicate of a previous case If so, state vessel's name and report No. See Gls. Rpt. No. 75669.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. The pressure parts of these boilers have
n manufactured under special survey in accordance with the Rules and approved plans and the
erials and workmanship are good. They have been sent to the Shipbuilders for erection and
tallation in the vessel.

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

Date GLASGOW 4 JAN 1951
Attorney's Deforced for comp.

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

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