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REPORT ON WATER TUBE BOILERS.

No. 45669

29 JUN 1950

Received at London Office

Date of Writing Report 22.6 1950 When handed in at Local Office 22.6 1950 Port of Glasgow
 No. in Survey held at 15th April 1949 Date, First Survey 22 May 1950 Last Survey
 Reg. Book. S.S. GENERAL PUEYREDON (Number of Visits 20) Gross Tons Net
 on the

Built at BIRKENHEAD By whom built CAMMELL LAIRD & CO. LTD. Yard No. 1204 When built
 Engines made at -do- By whom made -do- Engine No. 1204 When made
 Boilers made at RENFREW By whom made BABCOCK & WILCOX LTD. Boiler No. 6/1997 When made
 Nominal Horse Power Owners Port belonging to

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

Date of Approval of plan 22.6.49 etc. Design Press 495 lb. Drums No. and Description or Type P.9.12.49
 of Boilers 2 - B. & W. Marine Working Pressure 480 lb Tested by Hydraulic Pressure to 990 lb Date of Test 26.10.49
 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 Superheater H.S. 1680 sq. ft.

No. and type of burners (oil) in each boiler One 2 1/2" I.H.L. Double No. and description of safety valves on each boiler Area of each set of valves per boiler Pressure to which they are adjusted per rule as fitted

Are they fitted with easing gear - In case of donkey boilers state whether steam from main boilers can enter the donkey boiler - 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 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 - Tubes: Diameter 4" & 1.13/16" Thickness 2 & 4: 7 & 9 Number 70 and 979 Material S.D. Steel Tested by hydraulic pressure to 793 lbs.

headers nippled Inside 6" square Thickness 3/4" Range of tensile strength 28/32 tons 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 One inlet and 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 1/2" 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 SWG

Tested by hydraulic pressure to 793 lbs. Date of test June, 1950 Is a safety valve fitted to XXXXXX of the superheater XXXXXX

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 Apr 15 Jun 22-29 Jul 29 Aug 15-14 Sep 9 Oct 7 Is the approved plan of boiler forwarded herewith No

while building During erection on board vessel - 10-24 Nov 10-14-20 Dec 7-22-24 1950 May 22 Total No. of visits -

Is this boiler a duplicate of a previous case Yes If so, state vessel's name and report No. See Glasgow Report No.

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 : - : - When applied for MONTHLY ACCOUNT 1950

Travelling Expenses (if any) £ : : : When received 19

Welding Fee £ 26 : - : -

Date GLASGOW 28 JUN 1950

Committee's Minute Deferred for comp.

LIVERPOOL F5 JUN 1951
 Lloyd's Register
 009083-009093-0190