

REPORT ON WATER TUBE BOILERS.

No. 105097

Received at London Office.

9 MAR 1948

Report 19 When handed in at Local Office 28 FEB 1948 Port of NEWCASTLE-ON-TYNE
 Survey held at Newcastle on Tyne Date, First Survey 9th SEPTEMBER 1946 Last Survey 18th FEBRUARY 1948
 (Number of Visits 150) Gross 122.67 Tons Net 120.1
 the TURBOELEC S.S. MYALINA
 Wallsend on Tyne By whom built Swan Hunter & Wigham Richardson Ltd Yard No. 1753 When built 1948
 at Rugeley Walker on Tyne By whom made British Thomson Houston Ltd Engine No. 582828 When made 1948
 at Renfrew By whom made Swan Hunter & Wigham Richardson Ltd Boiler No. 611050 When made 1948
 Horse Power Owners Anglo-Saxon Petroleum Co Ltd Port belonging to London

TUBE BOILERS MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel

Approval of plan. See Glasgow Report N/71451 No. and Description or Type
 3 B.W. Marine Type Working Pressure 450 lbs. Tested by Hydraulic Pressure to 725 lbs. Date of Test 10.4.47
 Can each boiler be worked separately. Yes Total Heating Surface of Boilers 18,418 sq. ft.
 Area of Fire Grate (coal) in each Boiler 5-3 sq. ft. No. and description of safety valves on
 2 Spring loaded Cockburns Improved Area of each set of valves per boiler 14.12 sq. ft.
 Are they fitted with easing gear. Yes In case of donkey boilers state whether steam from main boilers can enter
 Smallest distance between boilers or uptakes and bunkers or woodwork 3-0" Height of boiler
 Steam Drums: Number in each boiler Inside diameter
 Range of tensile strength Are drum shell plates welded
 If fusion welded, state name of welding firm Have all the requirements of the Rules
 Description of riveting:—Circ. seams long. seams
 Pitch of rivets Thickness of straps Percentage strength of
 Diameter of tube holes in drum Pitch of tube holes
 Steam Drum Heads or Ends: Range of tensile strength
 Radius or how stayed Size of manhole or handhole Water Drums: Number
 Thickness of plates Range of tensile strength Are drum shell plates
 If fusion welded, state name of welding firm Have all the requirements of the Rules
 Description of riveting:—Circ. seams long. seams
 Pitch of rivets Thickness of straps
 Diameter of tube holes in drum Pitch of tube holes
 Water Drum Heads or Ends: Range of tensile strength
 Radius or how stayed Size of manhole or handhole
 Sections: Number Material Thickness Tested by hydraulic pressure to 725 lbs.
 Diameter Thickness Number Steam Dome or Collector: Description of
 Inside diameter Thickness of shell plates Range of tensile
 Description of longitudinal joint 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
 Thickness of straps Percentage strength of long. joint plate rivet
 End Plates: Range of tensile strength Thickness Radius or how stayed
 HEATER, Drums or Headers: Number in each boiler Inside diameter
 Material Range of tensile strength Are drum shell plates welded
 If fusion welded, state name of welding firm Have all the requirements of the Rules
 Description of riveting:—Circ. seams long. seams
 Pitch of rivets Thickness of straps Percentage strength of
 Diameter of tube holes in drum Pitch of tube holes Percentage strength of
 Drum Heads or Ends: Thickness Range of tensile strength
 Radius or how stayed Size of manhole or handhole Number, diameter, and thickness of tubes
 Tested by hydraulic pressure to 725 lbs. Date of test Is a safety valve fitted to each section of the superheater which
 cut off from the boiler. No. and description of safety valves 1 Spring loaded Cockburns Improved H.L. Area of each set
 Pressure to which they are adjusted 440 lbs. Is easing gear fitted Yes

FOR SWAN HUNTER & WIGHAM RICHARDSON LIMITED

The foregoing is a correct description,

GENERAL MANAGER, ENGINEERING DEPT. Manufacturer.

During progress of work in shops - Is the approved plan of boiler forwarded herewith
 During erection on board vessel - PLEASE SEE MACHINERY REPORT. Total No. of visits 150

boiler a duplicate of a previous case. Yes If so, state vessel's name and report No. MYALINA. Mwc 104096
 REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been erected by Swan Hunter & Wigham Richardson Ltd & after completion tested by hydraulic pressure to 725 lbs. They have been efficiently installed & fixed in vessel, tested in place by hydraulic pressure to 725 lbs. & run under steam & their safety valves adjusted to the approved pressures.

Survey Fee ... £ When applied for 19
 Travelling Expenses (if any) £ See Machinery Report When received 19

Date 16 APR 1948

Signature of Surveyor Sa F.E. Moly rpt.

Engineer-Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

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