

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 12267 Tons Net 7307
Name of the vessel TURBOELEC S.S. MYALINA
Wallsend on Tyne By whom built Swan Hunter & Wigham Richardson Ltd Yard No. 1753 When built 1948
By whom made British Thomson Houston Ltd Engine No. 582828 When made 1948
Boiler No. 611050 When made 1948
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 10-4-48

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 Smiths SUPERHEATER 200 sq. ft.

No. and description of safety valves on
2 Spring loaded Bockburns Improved H.L. Area of each set of valves per boiler 450 lbs. per rule Approved Pressure to which they as fitted 14.12 lb.

Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter boiler

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
Strength of shell in way of tubes Steam Drum Heads or Ends:—Range of tensile strength

Radius or how stayed Size of manhole or handhole Water Drums:—Number
Inside diameter 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
Strength of long. joint:—Plate Rivet 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

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

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 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

No. and description of safety valves 1 Spring loaded Bockburns Improved H.L. Area of each set
Pressure to which they are adjusted 440 lbs. Is easing gear fitted Yes

Has the spare gear required by the Rules been supplied

FOR SWAN HUNTER & WIGHAM RICHARDSON LIMITED
The foregoing is a correct description,
GENERAL MANAGER ENGINEERING DEPT. Manufacturer.

Is the approved plan of boiler forwarded herewith

PLEASE SEE MACHINERY REPORT. Total No. of visits 150

If so, state vessel's name and report No. HELICINA. MNC 104096

GENERAL 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. & remained 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 Sa F.E. nely rpt.

Engineer-Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

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