

REPORT ON WATER TUBE BOILERS.

No. 57467

JUL 21 1937.

Received at London Office 16 SEP 1936

of writing Report 12/9/36 1936. When handed in at Local Office 15.9.36 1936 Port of Glasgow.

No. in Survey held at Renfrew. Date, First Survey 13.3.36 Last Survey 1/9/36 1936.

Boilers on the Boilers No 6/1307 (Small type) 4.5 ORCADES. Number of Visits 19 Tons { Gross
Net } 1936.

Built at Barrow. By whom built Vickers Armstrong Ltd (712) When built 1936.

Parts made at Renfrew. By whom made Babcock & Wilcox Ltd When made 1936.

Registered Horse Power _____ Owners _____ Port belonging to _____

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel D Colville, U.S. & Lanier Co.

Date of Approval of plan 18/3/36, 6/7/4/36, 17/7/36, 19/8/36 Number and Description or Type Babcock & Wilcox Type

Working Pressure 450 lb Tested by Hydraulic Pressure to _____ Date of Test _____

Can each boiler be worked separately _____ Total Heating Surface of Boilers 7170.0

Area of fire grate (coal) in each Boiler _____ Total grate area of boilers in vessel including _____

No. and type of burners (oil) in each boiler _____ No and description of safety valves on _____

Area of each valve _____ Pressure to which they are adjusted _____

In case of donkey boilers state whether steam from main boilers can enter the donkey boiler _____

Height of Boiler _____ Width and Length _____

Material of plates _____ Thickness _____

Are drum shell plates welded or flanged _____ Description of riveting:— _____

Pitch of Rivets _____

Percentage strength of long. joint:—Plate _____ Rivet _____

Percentage strength of shell in way of tubes _____

Depth and thickness of girders at centre _____

Number and pitch of stays in each _____ Working pressure _____

Material Steel Thickness 3/8 Radius or how stayed 3/8

Number in each boiler 1 Inside Diameter 6' x 6' sq

Material of plates Steel S.D. Thickness 3/4 nominal Range of tensile strength 28/32 ton Are drum shell plates welded _____

Description of riveting:—Cir. seams _____ long. seams _____ Diameter of Rivet Holes in _____

Pitch of rivets _____ Lap of plates or width of butt straps _____ Thickness of straps _____

Diameter of tube holes in drum _____ Pitch of tube holes _____

Material Steel S.D. Thickness 7/16 nominal Tested by Hydraulic Pressure to 725 lb

Material of Stays Drum Diameter _____

Description of Joint to Shell _____

Material _____

Working Pressure of shell _____

Material _____

How stayed _____

PREHEATER. Type Submerged Date of Approval of Plan 17-4-36 Tested by Hydraulic Pressure to 725 lb

Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler _____

Pressure to which each is adjusted _____ Is easing gear fitted _____

Number, diameter, and thickness of tubes _____

Gaskets or joints:—Manhole _____ Handhole _____ Handhole plates _____

The foregoing is a correct description, Babcock & Wilcox, Ltd Manufacturer. 14/9/36

Is the approved plan of boiler forwarded herewith See Accompanying Report

Total No. of visits 19

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers parts have been built under special survey, to approved plans in accordance with the Society's Rules. Materials and workmanship are good. They have been forwarded to Mr Vickers Armstrongs for completion & fitting in their No 712.

Survey Fee Nil (if any) £ _____ When applied for, _____ 19 _____

Travelling Expenses (if any) £ _____ When received, _____ 19 _____

H. Litherst.
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 15 SEP 1936 TUE. 27 JUL 1937

Approved TRANSMIT TO LONDON

Lloyd's Register Foundation W204-0091