

REPORT ON WATER TUBE BOILERS.

No. 58009

Received at London Office

10 FEB 1937

Date of writing Report 28/1 1937 When handed in at Local Office 6.2. 1937 Port of Glasgow

No. in Survey held at Renfrew. Date, First Survey 28.8.36 Last Survey 21-1-1937

Reg. Bk. on the Boilers 6/1314 (large type) Number of Visits 19 Gross Tons 723 Net Tons 1937

Master Barrow Built at Barrow By whom built Vickers Armstrongs Ltd When built 1937

Engines made at Part By whom made Babcock & Wilcox Ltd When made 1937

Boilers made at Renfrew. By whom made Babcock & Wilcox Ltd When made 1937

Registered Horse Power Owners Port belonging to

WATER TUBE BOILERS—MAIN, AUXILIARY, OR, DONKEY.—Manufacturers of Steel D Colville & Son & James Steel Co

(Letter for Record) Date of Approval of plan 15/6/36, 22/6/36, 29/8/36, 13/1/37 Number and Description or Type of Boilers 4. Babcock & Wilcox Type. Working Pressure 450 lb. Tested by Hydraulic Pressure to 725 lb. Date of Test

No. of Certificate Can each boiler be worked separately Total Heating Surface of Boilers 29860 sq. ft.

Is forced draught fitted Area of fire grate (coal) in each Boiler Total grate area of boilers in vessel including Main and Auxiliary No. and type of burners (oil) in each boiler No. and description of safety valves on each boiler Area of each valve Pressure to which they are adjusted

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

Smallest distance between boilers or uptakes and bunkers or woodwork Height of Boiler Width and Length

Steam Drums:—Number in each boiler Inside diameter Material of plates Thickness

Range of Tensile Strength Are drum shell plates welded or flanged Description of riveting:—

Cir. seams long. seams Diameter of rivet holes in long. seams Pitch of Rivets

Lap of plate or width of butt straps Thickness of straps Percentage strength of long. joint:—Plate Rivet

Diameter of tube holes in drum Pitch of tube holes Percentage strength of shell in way of tubes

If Drum has a flat side state method of staying Depth and thickness of girders at centre

(if fitted) Distance apart Number and pitch of stays in each Working pressure

by rules Steam Drum Heads or Ends:—Material Steel Thickness Made from 17/16" Radius or how stayed 3'-0"

Size of Manhole or Handhole 15" x 11" Water Drums:—Number in each boiler 1 Inside Diameter 6' x 6" square.

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

or flanged Description of riveting:—Cir. seams long. seams Diameter of Rivet Holes in long. seams Thickness of straps

Pitch of rivets Lap of plates or width of butt straps Pitch of tube holes

Percentage strength of long. joint:—Plate Rivet Diameter of tube holes in drum

Percentage strength of drum shell in way of tubes Water Drum Heads or Ends:—Material Thickness

Radius or how stayed Size of manhole or handhole Headers or Sections:—Number 360.

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

Area at smallest part Area supported by each stay Working Pressure by Rules Tubes:—Not fitted here.

Thickness Number Steam Dome or Collector:—Description of Joint to Shell

Percentage strength of Joint Diameter Thickness of shell plates Material

Description of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell

by Rules Crown or End Plates:—Material Thickness How stayed

SUPERHEATER. Type Babcock & Wilcox Date of Approval of Plan Tested by Hydraulic Pressure to 725 lb.

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

Diameter of Safety Valve Pressure to which each is adjusted Is easing gear fitted

Is a drain cock or valve fitted at lowest point of superheater Number, diameter, and thickness of tubes

Spare Gear. Tubes Gaskets or joints:—Manhole Handhole Handhole plates

The foregoing is a correct description,

Babcock & Wilcox, Ltd. Manufacturer.

Dates of Survey During progress of work in shops

See Accompanying Report

Is the approved plan of boiler forwarded herewith Total No. of visits 19

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.)

These boiler 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 despatched to Mr Vickers-Armstrongs for completion and fitting in their No 723.

Survey Fee Travelling Expenses

When applied for, When received,

MONTHLY ACCOUNT

H Sutherland

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 9 FEB 1937

Assigned TRANSMIT TO LONDON



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