

REPORT ON WATER TUBE BOILERS.

No. 57467

JUL 21 1937.

Received at London Office 16 SEP 1936

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

To, in Survey held at Renfrew. Date, First Survey 13.3.36 Last Survey 1/9/36.

7. Bk. on the Boiler No 6/1307 (Small type) 4.5 ORCADES. Number of Visits 19

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

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

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

istered Horse Power Owners Port belonging to

ATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel D Colville, D.S. & Lanes Co.

ter for Record Date of Approval of plan 18/3/36, 6/1/4/36, 17/4/36, 19/5/36. Number and Description or Type

Boilers Babcock & Wilcox Type. Working Pressure 450 lb. Tested by Hydraulic Pressure to Date of Test

of Certificate Can each boiler be worked separately Total Heating Surface of Boilers 7170. ft²

forced draught fitted ya. Area of fire grate (coal) in each Boiler Total grate area of boilers in vessel including

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

boiler Area of each valve Pressure to which they are adjusted

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

llest distance between boilers or pipes and bunkers or woodwork Height of Boiler Width and Length

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

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

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

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

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

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

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

ules Steam Drum Heads or Ends:—Material Steel Thickness 1 1/16" plate Radius or how stayed 3'-8"

of Manhole or Handhole 15" x 11" ✓ Mud Drums:—Number in each boiler 1 Inside Diameter 6' x 6' sq: ✓

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

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

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

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

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

ius or how stayed Size of manhole or handhole Headers or Sections:—Number 120. ✓

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

at smallest part Area supported by each stay Working Pressure by Rules 450 lb. ✓ Tubes:—Diameter

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

centage strength of Joint Diameter Thickness of shell plates Material

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

ules Crown or End Plates:—Material Thickness How stayed

ERHEATER. Type B.W. Date of Approval of Plan 17-4-36. Tested by Hydraulic Pressure to 725 lb. ✓

of Test 28/8/36 Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler

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

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

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

The foregoing is a correct description,
Babcock & Wilcox, Ltd

per 7.8.14/9/36 Manufacturer.

ates } During progress of } See Accompanying Report Is the approved plan of boiler forwarded herewith

urvey } work in shops - - }

ile } During erection on }

ling } board vessel - - }

Total No. of visits ✓

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 1/15/9/36

Travelling Expenses (if any) £

When applied for, 19

When received, 19

H. Luthurst.

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 15 SEP 1936

TUE. 27 JUL 1937

igned TRANSMIT TO LONDON



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Foundation

W204-0091