

# REPORT ON BOILERS.

No. 39384.

Received at London Office

of writing Report

When handed in at Local Office

19/11 1919 Port of Glasgow

in Survey held at

Renfrew

Date, First Survey 10/4/18

Last Survey 4/11/19

1919

Book

on the Three Babcock & Wilcox boilers for war purposes now Robilante

(Standard "N" class) Number of Visits 25

Gross Tons

Net Tons

Built at Renfrew By whom built Babcock & Wilcox When built 1919

Lines made at Renfrew By whom made Babcock & Wilcox When made 1919

Registered Horse Power Owners Port belonging to

WATER TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Messrs D. Colville & Sons Ltd

Number for record S Total Heating Surface of Boilers 9636 sq ft Is forced draft fitted

Boilers Three Babcock & Wilcox Working Pressure 200 Tested by hydraulic pressure SECTION 1 2 400 lbs/sq in SECTION 2 400 lbs/sq in SECTION 3 400 lbs/sq in

of Certificate Can each boiler be worked separately Area of fire grate in each boiler No. and Description of

by valves to each 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

Smallest distance between boilers or uptakes and bunkers or woodwork Int. Steam drum 4'-0" Length 15'-1/4"

Material of shell plates Steel Thickness 9/16" & 1 1/16" Range of tensile strength 28/32 Are the shell plates welded or flanged No

Description of riveting: cir. seams D.R. Lap long. seams T.R.S.B. Diameter of rivet holes in long. seams 29/32 Pitch of rivets 3.537"

of plates or width of butt straps 1/4" Per centages of strength of longitudinal joint rivets 7/16" Working pressure of shell by

plates 238 Size of manhole in shell 15" x 11" Size of compensating ring 28 3/4" x 22 1/4" x 1/8" No. and Description of Furnaces in each

boiler none Material - Outside diameter - Length of plain part top - Thickness of plates crown - bottom -

Description of longitudinal joint - No. of strengthening rings - Working pressure of furnace by the rules - Combustion chamber

plates: Material - Thickness: Sides - Back - Top - Bottom - Pitch of stays to ditto: Sides - Back -

If stays are fitted with nuts or riveted heads - Working pressure by rules - Material of stays - Diameter at

smallest part - Area supported by each stay - Working pressure by rules - End plates in steam space: Material S Thickness 13/16"

Pitch of stays - How are stays secured - Working pressure by rules 240 Material of stays - Diameter at smallest part -

Area supported by each stay - Working pressure by rules - Material of Front plates at bottom - Thickness - Material of

headers Steel Thickness 1 1/32" Greatest pitch of stays - Working pressure of plate by rules - Diameter of tubes 13 1/16" & 15 1/16"

Pitch of tubes 2 3/8" & 2 5/8" Material of tube plates - Thickness: Front - Back - Mean pitch of stays - Pitch across wide

water spaces - Working pressures by rules - Girders to Chamber tops: Material - Depth and thickness of

order at centre - Length as per rule - Distance apart - Number and pitch of Stays in each -

Working pressure by rules - Superheater or Steam chest; how connected to boiler - Can the superheater be shut off and the boiler worked

separately - Diameter - Length - Thickness of shell plates 3/4" Material S Description of longitudinal joint - Diam. of rivet

holes - Pitch of rivets - Working pressure of shell by rules - Diameter of flue - Material of flue plates - Thickness -

stiffened with rings - Distance between rings - Working pressure by rules - End plates: Thickness - How stayed -

Working pressure of end plates - Area of safety valves to superheater - Are they fitted with easing gear -

of the survey request form

and No 2164 attached to Gls. Rpt. No. 38645

The foregoing is a correct description, Babcock & Wilcox Limited, Manufacturer.

Dates of Survey: During progress of work in shops - 1919 April 10, May 16, 22, 30, July 5, Aug 26, Sept 12, Oct 11, Dec 11. Is the approved plan of boiler forwarded herewith in London office. Total No. of visits 25

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been built under special survey in accordance with the approved plans. The workmanship and material are of good quality. The sections, steam drums and mud drums have been tested as above. The boilers have been erected in shop and will be tested on board the vessel after completion. They have been despatched to Messrs Richardsons & Westgarth 'Middlebro' where they will be fitted on board.

Survey Fee ... £ 36-4-6 When applied for, 12/11/19 1919 When received, 31/8/20 1919

Travelling Expenses (if any) £

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 25 NOV 1919

FRI. AUG. 13 1920

Assigned

TRANSMIT TO LONDON

Lloyd's Register Foundation

005377-005384-0046