

REPORT ON BOILERS.

No. 39307

WED. 5 - NOV. 1919

Received at London Office

Date of writing Report 1. 11. 1919 When handed in at Local Office 1. 11. 1919 Port of Glasgow

No. in Survey held at Renfrew Date, First Survey 7. 3. 1919 Last Survey 13. 10. 1919

Reg. Book. Two Babcock & Wilcox boilers for Standard # (Number of Visits) 23 Gross 2526
 on the Standard # Tons Net 1401

Master Chapston Built at Chapston By whom built The Glasgow S.S. Co. Ltd When built 1920

Engines made at Manchester By whom made British Waterworks Co When made 1919

Boilers made at Renfrew By whom made Babcock & Wilcox Ltd (496) When made 1919

Owners _____ Port belonging to _____

BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D. Salville Long, Stewart & Lloyd

Total Heating Surface of Boilers 5526 sq ft Is forced draft fitted No No. and Description of Steam drums 360 lbs

Babcock & Wilcox Working Pressure 180 Tested by hydraulic pressure to mud drums 400 lbs Date of test 2/1/20
Sections 400 lbs

Can each boiler be worked separately — Area of fire grate in each boiler 84 1/2 sq ft No. and Description of _____

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 _____

boilers or uptakes and bunkers or woodwork _____ Int. Steam drum 4'-0" Length 13'-3 1/2"
 Mean dia. of boilers _____

Steel Thickness 1 1/8" Range of tensile strength 24/28 Are the shell plates welded or flanged No

seams D.R. Lap long. seams D.R. Lap with inner butt strap Diameter of rivet holes in long. seams 2 1/2" Pitch of rivets 3 3/4"

butt straps 5 1/8" x 4" Per centages of strength of longitudinal joint rivets 44.5 Working pressure of shell by plate 45.8

of manhole in shell 15" x 11" Size of compensating ring 2'-4 3/4" x 1'-10 1/8" No. and Description of Furnaces in each _____

Material _____ Outside diameter _____ Length of plain part _____ Thickness of plates crown _____ bottom _____

joint _____ No. of strengthening rings _____ Working pressure of furnace by the rules _____ Combustion chamber

Thickness: Sides _____ Back _____ Top _____ Bottom _____ Pitch of stays to ditto: Sides _____ Back _____

fitted with nuts or riveted heads _____ Working pressure by rules _____ Material of stays _____ Area at

supported by each stay _____ Working pressure by rules _____ End plates in steam space: Material _____ Thickness _____

How are stays secured _____ Working pressure by rules _____ Material of stays _____ Area at smallest part _____

Working pressure by rules _____ Material of Front plates at bottom _____ Thickness _____ Material of _____

el Thickness 1 1/32" Greatest pitch of stays _____ Working pressure of plate by rules _____ Diameter of tubes 3 1/2" x 1 1/16"

" D. Headers Steel Thickness: Front 1 1/32" Back _____ Mean pitch of stays _____ Pitch across wide

Material of tube plates _____ Working pressures by rules _____ Girders to Chamber tops: Material _____ Depth and thickness of

Length as per rule _____ Distance apart _____ Number and pitch of Stays in each _____

Steam dome: description of joint to shell _____ % of strength of joint _____

mud drum 3/4" Material Steel Description of longitudinal joint _____ Diam. of rivet holes _____

Working pressure of shell by rules _____ Crown plates _____ Thickness _____ How stayed _____

_____ Date of Approval of Plan _____ Tested by Hydraulic Pressure to _____

_____ 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 _____

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

Report No. 39228. _____

1919. Mar 7-21. Apr 10. May 5-16-15-26-30. Is the approved plan of boiler forwarded herewith Previously forwarded with Glo. Rpt. 39228

June 6-18-27-26. July 9-14. Aug 22-25. Total No. of visits 23

Sept 8-13-22-24-30. Oct 2-13.

REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been built under

special Survey in accordance with the approved plan. The workmanship and the

materials used are of good quality. The Steam drums, mud-drums and sections of

tubes headers have been tested as above. The boiler parts have been despatched to

Messrs Finch & Co. Chapston where the boilers will be re-erected on board and tested.

The boilers were erected in Shop.

Survey Fee ... £ 14 : 1/6
Travelling Expenses (if any) £ :

Committee's Minute GLASGOW 4 NOV 1919
Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.
FRI. AUG. 16 1920
FRI. OCT. 15 1920
TUE. NOV. 23 1920

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