

REPORT ON BOILERS.

No. 40379.

WED. SEP. 22 1920

Date of writing Report Sept 9th 1920 When handed in at Local Office Sept 16th 1920 Port of GLASGOW
No. in Survey held at Renfrew Date, First Survey 8th Sept 1919 Last Survey 21st Apr 1920
Reg. Book. on the Three Babcock & Wilcox Watertube Boilers
Master Built at By whom built When built
Engines made at By whom made When made
Boilers made at Renfrew By whom made Messrs Babcock & Wilcox Ltd 1002 When made 1920
Registered Horse Power Owners Australian Commonwealth Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Coy. of Scotland D. Colville & Sons
(Letter for record S) Total Heating Surface of Boilers 8289 sq ft Is forced draft fitted HEADERS & MUDDRUMS No. and Description of Boilers 3 Babcock & Wilcox Watertube Working Pressure 200 Tested by hydraulic pressure to 400 lbs Date of test
No. of Certificate Can each boiler be worked separately Area of fire grate in each boiler 84.5 sq ft No. and Description of safety valves to 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 INT STEAM DRUM 4' 0" Length 13' 3 1/2"
Material of shell plates Steel Thickness 3/32" Range of tensile strength 28-32 Are the shell plates welded or flanged No.
Descrip. of riveting: cir. seams DR Lap long. seams TR. SBS Diameter of rivet holes in long. seams 27/32" Pitch of rivets 3 3/4"
Lap of plates or width of butt straps 4" Per centages of strength of longitudinal joint rivets 45.5 Working pressure of shell by rules 210 Size of manhole in shell 11" x 15" Size of compensating ring 22" x 28 1/4" x 7/8" No. and Description of Furnaces in each boiler None Material Outside diameter Length of plain part 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 Top
If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Area at smallest part Area supported by each stay Working pressure by rules End plates in steam DRUM Material Steel Thickness 13/16"
Pitch of stays None How are stays secured Working pressure by rules Material of stays Area at smallest part
Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of HEADERS Lower back plate Steel Thickness 3/32" Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 13 1/16" 15 1/16"
Pitch of tubes 2 5/8" 2 3/4" 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 girder at centre Length as per rule Distance apart Number and pitch of Stays in each
Working pressure by rules Steam dome: description of joint to shell None % of strength of joint
Diameter Thickness of shell plates 3/4" Material Steel Description of longitudinal joint Weld Diam. of rivet holes
Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type None Date of Approval of Plan Tested by Hydraulic Pressure to
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

Survey request form
No. 2294 attached
The foregoing is a correct description,
Babcock & Wilcox Limited Manufacturer.
Dates of Survey } During progress of 1919 Apr 8, 12, 30 Oct 9, 21, 30 Nov 7, 13, 15 (1920) Apr 21 Is the approved plan of boiler forwarded herewith
while building } During erection on board vessel
Total No. of visits 10

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The workmanship and materials are of good quality. The workmanship has been carried out under special survey in accordance with the approved plans. Headers and muddrums have been tested as above. Ends disted and shell plates rolled but not drilled. The boilers are intended for Australian Commonwealth Standard vessels and the boiler parts have been despatched to Melbourne where the boilers will be completed

Survey Fee ... £ 8 : 8 : When applied for, 19
Travelling Expenses (if any) £ : : When received, 19
Mon 11/20

Committee's Minute GLASGOW 21 SEP 1920
Assigned TRANSMIT TO LONDON
David C Barr
Engineer Surveyor to Lloyd's Register of Shipping.
TUE. 21 MAR. 1922
TUE. 23 MAY. 1922
Lloyd's Register
Foundation