

WFD. 7 JUL 1909

Rpt. 5a.

# REPORT ON BOILERS.

No. 24914  
WFD. 7 JUL 1909

Received at London Office

Date of writing Report

19

When handed in at Local Office

6/4/ 09. Port of Glasgow

Date, First Survey 15<sup>th</sup> December. 1908. Last Survey 23<sup>rd</sup> June. 1909.

No. in Survey held at  
Reg. Book.

Glasgow  
Boiler 2<sup>o</sup> B115

(Number of Visits 19.)  
Gross Tons  
Net

Master Built at By whom built When built

Engines made at Belfast By whom made Jno Coll & Co when made

Boilers made at Glasgow By whom made David Rowan & Co when made 1909

Registered Horse Power 134 Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel William Beardmore & Co Ltd

(Letter for record 15) Total Heating Surface of Boilers 2465 Is forced draft fitted No. and Description of

Boilers One single ended Working Pressure 140 lb Tested by hydraulic pressure to 280 lb Date of test 23/6/09

No. of Certificate 9990 Can each boiler be worked separately Area of fire grate in each boiler 67.8<sup>sq</sup> 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 Mean dia. of boilers 16.0" Length 10.9"

Material of shell plates steel Thickness 1 1/32" Range of tensile strength 28532 Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams D.R.L. long. seams D.B.S. Diameter of rivet holes in long. seams 1 3/16" Pitch of rivets 7.8125"

up of plates or width of butt straps 17 1/2" Per centages of strength of longitudinal joint rivets 101.8 Working pressure of shell by

rules 140 lb Size of manhole in shell 16" x 12" Size of compensating ring Flanged No. and Description of Furnaces in each

Boiler 4 Dighton Material steel Outside diameter 3.4 1/2" Length of plain part top Thickness of plates crown 7 1/16"

Description of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 154 Combustion chamber

plates: Material steel Thickness: Sides 9 1/16" Back 9 1/16" Top 9 1/16" Bottom 3 1/4" Pitch of stays to ditto: Sides 8 1/2" x 9 1/4" Back 8 1/4" x 9 1/4"

Top 8 1/2" x 9 1/4" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 140 Material of stays steel Diameter at

smallest part 1.22 Area supported by each stay 69 sq Working pressure by rules 140 End plates in steam space: Material steel Thickness 1 3/16"

Pitch of stays 19 1/2" x 22 1/2" How are stays secured D. nuts Working pressure by rules 143 Material of stays steel Diameter at smallest part 5.93"

Area supported by each stay 440 sq Working pressure by rules 140 Material of Front plates at bottom steel Thickness 7 1/8" (Material of

Lower back plate steel Thickness 2 3/32" Greatest pitch of stays 13" Working pressure of plate by rules 140 Diameter of tubes 3"

Pitch of tubes 4 1/4" x 4 1/8" Material of tube plates steel Thickness: Front 7 1/8" Back 2 3/32" Mean pitch of stays 10 1/2" Pitch across wide

water spaces 14" Working pressures by rules 140 Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 8 1/2" x 3 1/4" x 2 Length as per rule 35 1/2" Distance apart 8 1/8" Number and pitch of Stays in each 3 - 8 1/2"

Working pressure by rules 130 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked

separately Diameter Length Thickness of shell plates Material 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

If 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

Survey request form

No. 129 attached

The foregoing is a correct description,

for David Rowan & Co Manufacturer.

Dates of Survey { During progress of work in shops - - 1908: Dec. 15. 1909: Jan. 13. 20. 28. Feb. 2. 5. 26.  
while building { During erection on board vessel - - - Mar. 2. 23. 30. April 8. 22. May 5. 14. 20. 24.  
June 1. 15. 22. 28.

Is the approved plan of boiler forwarded herewith Yes.

Total No. of visits 19

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed under Special Survey & is of good materials & workmanship. It is to the order of Messrs Jno Coll & Co & is intended for a ~~first~~ classed vessel.

Survey Fee ... £ 6 : 14 : When applied for 6/4/ 19. 09.  
Travelling Expenses (if any) £ : : When received 9/8/ 19. 09.

H Gardner-Smith.  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 6 JUL 1909  
Assigned Transmit to London.

TUES. 7 SEP 1909

Lloyd's Register Foundation  
W1285-0213