

REPORT ON BOILERS.

Abn. No. 11999.

No. 36959

Received at London Office

Date of writing Report 10th June 1914 When handed in at Local Office

191 Port of Glasgow

No. in Survey held at Glasgow
Reg. Book.

Date, First Survey 13 April 1917

Last Survey 10th June 1914

(Number of Visits 5)

Gross 540.1

Net 252.8

on the main boiler designated no. 251 for S.S. 'Wynndhurst'

Master J. Park Built at Aberdeen By whom built John Lewis & Sons Ltd. When built 1914

Engines made at Aberdeen By whom made James Abernethy & Co. Ltd. When made 1914

Boilers made at Glasgow By whom made David Rowan & Co. When made 1914

Registered Horse Power Owners Cleaves' Western Valleys Anthracite Collieries Ltd. Port belonging to Swansea

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel The Steel Co of Scotland

(Letter for record S) Total Heating Surface of Boilers 1741 Is forced draft fitted No. and Description of

Boilers One S.S. main Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 8.6.14

No. of Certificate 13813 Can each boiler be worked separately Area of fire grate in each boiler 53 3/4 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 Outside dia. of boilers 13'9" Length 10'6"

Material of shell plates Steel Thickness 1 3/32 Range of tensile strength 28/32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams D.R.Lap long. seams T.R.D.B.S Diameter of rivet holes in long. seams 1 3/16 Pitch of rivets 8 3/8

Lap of plates or width of butt straps 17 3/4 Per centages of strength of longitudinal joint rivets 90.2 Working pressure of shell by plate 85.8

rules 184 Size of manhole in shell 12 x 16 Size of compensating ring 29 x 33 flanged No. and Description of Furnaces in each

boiler 3 Plain Material Steel Outside diameter 40 9/16 Length of plain part top 6'4 1/2 Thickness of plates crown 3/4 bottom 1/4

Description of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 182 Combustion chamber

plates: Material Steel Thickness: Sides 1/16 Back 1/32 Top 1/16 Bottom 1/16 Pitch of stays to ditto: Sides 10 1/2 x 8 1/2 Back 8 1/4 x 8 1/2

Top 9 1/2 x 9 1/2 If stays are fitted with nuts or riveted heads none Working pressure by rules 180 Material of stays Steel Area at

smallest part 2.07 Area supported by each stay 91.5 Working pressure by rules 204 End plates in steam space: Material Steel Thickness 1 1/8

Pitch of stays 18 x 14 1/2 How are stays secured none Working pressure by rules 180 Material of stays Steel Area at smallest part 5.93

Area supported by each stay 314 Working pressure by rules 196 Material of Front plates at bottom Steel Thickness 1 1/16 Material of

Lower back plate Steel Thickness 4/64 Greatest pitch of stays 12 5/8 Working pressure of plate by rules 181 Diameter of tubes 3 1/4

Pitch of tubes 4 3/8 x 4 1/2 Material of tube plates Steel Thickness: Front 15/16 Back 13/16 Mean pitch of stays 13 1/2 x 8 3/4 Pitch across wide

water spaces 13 5/8 Working pressures by rules 200 + 181 Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 8 x 13/16 D. Length as per rule 30 19/32 Distance apart 9 1/2 Number and pitch of Stays in each Two 9 1/2

Working pressure by rules 186 Steam dome: description of joint to shell none % of strength of joint

Diameter Thickness of shell plates Material Description of longitudinal joint trim. of rivet holes

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type 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

Date of Test Pressure to which each is adjusted Is Easing Gear fitted

Diameter of Safety Valve

The foregoing is a correct description, for David Rowan & Co. Manufacturer.

No. attached Is the approved plan of boiler forwarded herewith Yes.

Dates of Survey During progress of work in shops 1914 Apr. 13 May 3 22 June 8. 19

while building During erection on board vessel

TOTAL NO. OF VISITS 5

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built

under Special Survey in accordance with the approved plans & the material

& workmanship are of good quality.

This boiler is to the order of Messrs John Lewis & Sons Aberdeen & is

being shipped to Aberdeen; at which Port it will be fitted on board.

Boiler fitted on board above named vessel.

Survey Fee £ 5 : 16 : When applied for, 18.6.1914

Travelling Expenses (if any) £ : : When received, 4.7.1914 (Adv. Abn.) Seemack & Report. Abn. No.

John H. Copeman Ridgway & Co. Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 26 JUN. 1917 FRI. OCT. 1917

Assigned TRANSMIT TO LONDON

Lloyd's Register Foundation