

REPORT ON BOILERS.

No. 41109

Received at London Office

WED. 18 MAY. 1921

of writing Report 6. 5. 1921 When handed in at Local Office 6. 5. 1921 Port of Glasgow

Survey held at Glasgow Date, First Survey 12. 1. 1920 Last Survey 5. 5. 1921

Book. Boiler No. B 126 s/s Drake (Number of Visits 18)

on the Built at Troon By whom built Aulda & Co. Ltd. When built 1922

ster Gines made at Troon By whom made Aulda & Co. Ltd. When made 1922

ilers made at Glasgow By whom made Dunsmuir & Co. Ltd. When made 1921

gistered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, ~~MAIN~~ OR DONKEY. Manufacturers of Steel Bolville, Steel Co. of Scotland & James Dunslop.

Letter for record S Total Heating Surface of Boilers 4516 sq. ft. Is forced draft fitted No. and Description of

Boilers Two Single Ended Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 5. 5. 21

No. of Certificate 1587 Can each boiler be worked separately Area of fire grate in each boiler 63 1/4 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 Mean dia. of boilers 15-3 Length 11-6

Material of shell plates S Thickness 17/32 Range of tensile strength 28/32 Are the shell plates welded or flanged No

Description of riveting: cir. seams DR. long. seams TR. D B S Diameter of rivet holes in long. seams 19/32 Pitch of rivets 9

Width of butt straps 19 3/8 Per centages of strength of longitudinal joint rivets 87.25 plate 86.75 Working pressure of shell by

Rules 181 Size of manhole in shell 16 x 12 Size of compensating ring 36 1/2 x 30 1/2 x 17/32 No. and Description of Furnaces in each

Boiler 3 Corrugated Material S Outside diameter 49 1/2 Length of plain part top 17/32 Thickness of plates crown 17/32 bottom 17/32

Description of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 181 Combustion chamber

Plates: Material S Thickness: Sides 5/8 Back 11/16 Top 5/8 Bottom 29/32 Pitch of stays to ditto: Sides 9 1/8 Back 9 1/4

Top 8 3/4 If stays are fitted with nuts or riveted heads Dunslop Working pressure by rules 188 Material of stays S Area at

Smallest part 1.69 Area supported by each stay 87.7 Working pressure by rules 186 End plates in steam space: Material S Thickness 17/32

Pitch of stays 20 1/2 x 17 How are stays secured DN Working pressure by rules 186 Material of stays S Area at smallest part 6.32

Area supported by each stay 362.75 Working pressure by rules 183 Material of Front plates at bottom S Thickness 17/32 Material of

Lower back plate S Thickness 29/32 Greatest pitch of stays 15 x 9 1/4 Working pressure of plate by rules 219 Diameter of tubes 3 1/2

Pitch of tubes 43 1/4 x 11/16 Material of tube plates S Thickness: Front 17/32 Back 27/32 Mean pitch of stays 11 3/4 Pitch across wide

water spaces 14 1/2 Working pressures by rules 183 Girders to Chamber tops: Material S Depth and thickness of

girder at centre 9 x 2 Length as per rule 34 1/2 x 16 Distance apart 8 3/4 Number and pitch of Stays in each 3 at 8 1/2

Working pressure by rules 187 Steam dome: description of joint to shell % of strength of joint

Diameter Thickness of shell plates Material Description of longitudinal joint Diam. 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

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 required

No. 2310 attached attached to No. 39903.

The foregoing is a correct description,

Manufacturer.

Dates of Survey During progress of 1920 Jan 12 Mar 29 Apr 29 May 3 Sep 17 Oct 6 Nov 22 Dec 20
work in shops - 1920 Jan 7, 27 Feb 7, 10, 25 Mar 22, 24 May 3, 5
while building During erection on board vessel - - -

Is the approved plan of boiler forwarded herewith

Total No. of visits 18

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

These Boilers have been built under special survey in accordance with the approved plans & the workmanship & material are of good quality. These Boilers have been shipped to Troon at which port they will be fitted on board.

(Duplicate of No. B 124 s/s Drake No. 39903)

These boilers were fitted on board and tried under steam with satisfactory results. D.C. Barri 2-22

Survey Fee ... £ 27 : 11 : When applied for, 16/57 1921

Travelling Expenses (if any) £ : : When received, 20/57 1921

Committee's Minute

GLASGOW. 17 MAY 1921

Assigned

TRANSMIT TO LONDON

W. Gordon-Mitchell

Engineer Surveyor to Lloyd's Register of Shipping.

GLASGOW 21 FEB 1922

See G. R. No. 41109

Lloyd's Register Foundation

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