

REPORT ON BOILERS.

No. 34442.

Received at London Office WED. OCT. - 7. 1914

Date of writing Report 25-9-1914, When handed in at Local Office

Port of Glasgow.

No. in Survey held at
Reg. Book.

Date, First Survey 25/6/14 Last Survey 25-9-1914.

(Number of Visits 13)

Gross
Tons }
Net

on the Single ended Marine boiler for shipments (No 1529).

Master

Built at

By whom built

When built

Engines made at

By whom made

When made

Boilers made at Glasgow.

By whom made Messrs Lindsay Burnett & Co. Ltd.

When made 1914.

Registered Horse Power

Owners

Port belonging to

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

Letter for record S. Total Heating Surface of Boilers 1500 sq. ft. Is forced draft fitted No. and Description of

Boilers One single ended. Working Pressure 130 Tested by hydraulic pressure to 260. Date of test 25-9-14.

No. of Certificate 12882. Can each boiler be worked separately Area of fire grate in each boiler 46. 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 12'-3 3/8" Length 10'-6"

Material of shell plates S. Thickness 1 3/16" Range of tensile strength 28/32. Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams d. l. long. seams DRDBS. Diameter of rivet holes in long. seams 1 1/2" Pitch of rivets 5 1/4"

Gap of plates or width of butt straps 10 1/2" Per centages of strength of longitudinal joint rivets 82.25 Working pressure of shell by

rules 132. Size of manhole in shell 16" x 12" Size of compensating ring W. S. Nichols No. and Description of Furnaces in each

boiler 2. Morrison Material S. Outside diameter 4'-0" Length of plain part top 131 Thickness of plates crown 1/16 bottom

Description of longitudinal joint Weld. No. of strengthening rings Nil Working pressure of furnace by the rules 131 Combustion-chamber

plates: Material S Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 9/16" Pitch of stays to ditto: Sides 8" x 10" Back 8 3/4" x 9 3/4"

Top 8" x 8 1/2" If stays are fitted with nuts or riveted heads Nuts. Working pressure by rules 130. Material of stays S. Diameter at

smallest part 1 1/4" Area supported by each stay 85.0" Working pressure by rules 135 End plates in steam space: Material S Thickness 2 3/8"

Pitch of stays 16" x 14" How are stays secured D. nuts Working pressure by rules 135 Material of stays S Diameter at smallest part 3.43"

Area supported by each stay 242" Working pressure by rules 131. Material of Front plates at bottom S Thickness 3/4" Material of

lower back plate S Thickness 5/8" Greatest pitch of stays 8 3/4" x 9 3/4" Working pressure of plate by rules 212. Diameter of tubes 3 1/4" OD

Pitch of tubes 4 3/8" x 4 3/8" Material of tube plates S Thickness: Front 3/4" Back 1/16" Mean pitch of stays 8 3/4" x 8 3/4" Pitch across wide

water spaces 9 3/4" x 14" Working pressures by rules 182. Girders to Chamber tops: Material S Depth and thickness of

girder at centre 6 1/2" x 1 1/4" Length as per rule 2'-2 1/4" Distance apart 8' 2" Number and pitch of Stays in each 2-8"

Working pressure by rules 144 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

separately 135" 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 7529 attached to Gls. Report 34421

The foregoing is a correct description,

Lindsay Burnett & Co. Manufacturer.

Dates of Survey	During progress of work in shops - -	June 25 July 17-30 Aug. 5-11-18-25 Sept 1-11	Is the approved plan of boiler forwarded herewith Yes.
while building	During erection on board vessel - -	15-23-25	

Total No. of visits 13.

with Gls. Rpt. 34421

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

The workmanship and materials are good.

The boiler has been built under special survey.

Survey Fee	£ 5 : 0 : 0	When applied for, 29/9/1914
Travelling Expenses (if any)	£ :	When received, 29/9/1914

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

GLASGOW

- 6 OCT. 1914

TUE. JAN. 26. 1915

Assigned TRANSMIT TO LONDON