

Rpt. 5a.

Standard C
REPORT ON BOILERS.

No. 71236

Received at London Office MON. SEP. 9 1918

NEWCASTLE ON TYNE.

Date of writing Report 15th Aug 1918 When handed in at Local Office 191 Port of
No. in Survey held at Newcastle-on-Tyne Date, First Survey 6th May 1918 Last Survey 27th Aug 1918
Reg. Book. on the Steamer "War Beach". (Number of Visits) Gross 3112
Tons Net 1865
Master Built at Newcastle By whom built Signe Iron Works Ltd. When built 1918
Engines made at Newcastle By whom made A. E. Marine Eng. Co. Ltd. When made 1918
Boilers made at Newcastle By whom made R. W. Hawthorn Leslie & Co. Ltd. When made 1918
Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel R. W. Hawthorn Leslie & Co. Ltd.

(Letter for record S.) Total Heating Surface of Boilers 6420 sq. ft. Is forced draft fitted Yes. No. and Description of

Boilers 3: Cylindrical Single Working Pressure 180 lbs Tested by hydraulic pressure to 260 lbs Date of test 19/6/18.

No. of Certificate 9104. Can each boiler be worked separately Yes. Area of fire grate in each boiler 51.7 sq. ft. No. and Description of

safety valves to each boiler 2: Direct Spring Loaded Area of each valve 8.29 sq. in. Pressure to which they are adjusted 185 lbs

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes

Smallest distance between boilers or uptakes and bunkers on woodwork 2' 6" Mean dia. of boilers 14' 0" Length 11' 8 1/2"

Material of shell plates Steel Thickness 1 1/8" Range of tensile strength 28 1/2 to 33 tons Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams Lap Double long. seams Double Turn Diameter of rivet holes in long. seams 1 1/8" Pitch of rivets 8 1/2" 4 1/2"

lap of plates or width of butt straps 1' 6" Per centages of strength of longitudinal joint rivets 86.3 Working pressure of shell by

rules 184 lbs Size of manhole in shell 16 x 12 Size of compensating ring Plate Flanged No. and Description of Furnaces in each

boiler 3: Deighton's Material Steel Outside diameter 44 1/2" Length of plain part top 7' 6 1/2" Thickness of plates crown 1 1/2"

Description of longitudinal joint Weld No. of strengthening rings None Working pressure of furnace by the rules 190 lbs Combustion chamber

plates: Material Steel Thickness: Sides 3/32" Back 3/4" Top 3/32" Bottom 3/32" Pitch of stays to ditto: Sides 12 1/2 x 8 1/2" Back 10 1/2 x 9"

Top 12 1/2 x 9 1/2" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 180 lbs Material of stays Steel Area

smallest part 2 1/2" Area supported by each stay 99 sq. in. Working pressure by rules 216 lbs End plates in steam space: Material Steel Thickness 1 1/2"

Pitch of stays 23 1/2 x 19 1/2 How are stays secured Double nuts Working pressure by rules 181 lbs Material of stays Steel Area

Area supported by each stay 463 sq. in. Working pressure by rules 190 lbs Material of Front plates at bottom Steel Thickness 3/32" Material of

Lower back plate Steel Thickness 1 1/8" Greatest pitch of stays 14 5/8" Working pressure of plate by rules 193 lbs Diameter of tubes 2 1/2"

Pitch of tubes 4" x 4" Material of tube plates Steel Thickness: Front 3/32" Back 3/4" Mean pitch of stays 10" Pitch across wide

water spaces 13 1/2" Working pressures by rules 180 lbs 202 lbs Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 10 1/2 x 12 Length as per rule 35 1/2" Distance apart 9 3/8" Number and pitch of Stays in each 2: 12 1/2"

Working pressure by rules 230 lbs 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

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

For R. & W. HAWTHORN, LESLIE & CO. LTD.

The foregoing is a correct description,

Manufacturer.

Dates During progress of 1918
Survey work in shops - - - May 6, 10, 17, 23, 29, June 3, 7, 12, 15, 18, 18
while During erection on See weekly Report
building board vessel - - -

Is the approved plan of boiler forwarded herewith Yes.

Total No. of visits 11.

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

The materials and workmanship are good These Boilers were built under special survey and on completion they were tested as required by the Rules and found tight and sound

Survey Fee ... When applied for, 191

Travelling Expenses (if any) £ See weekly Report When received, 191

Wm. Austin & Thos. I
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUE. 10 SEP. 1918

Assigned



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Lloyd's Register
W1250-017/
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