

REPORT ON BOILERS.

No. 18111

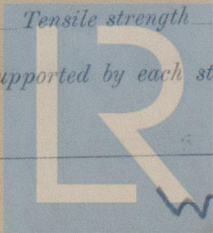
Received at London Office

-7 SEP 1932

of writing Report 25/8 1932 When handed in at Local Office 25/8 1932 Port of *Grimshy*  
in Survey held at *Grimshy* Date, First Survey 13/4/32 Last Survey 22/8 1932  
712 on the *steab sc. K. "Sicyon"* (Number of Visits 6) Gross Tons Net  
Built at *Beverly* By whom built *Book, Well & Gemmell* Card No. When built 1906  
Hull By whom made *Amos & Smith* Engine No. When made 1906  
Hull By whom made *Amos & Smith* Boiler No. 4253 When made 1932  
87 Owners *Standard Steam Towing Co Ltd.* Port belonging to *Grimshy*

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel (Letter for Record)  
Heating Surface of Boilers Is forced draught fitted Coal or Oil fired  
and Description of Boilers Working Pressure  
ed by hydraulic pressure to Date of test No. of Certificate Can each boiler be worked separately  
of Firegrate in each Boiler No. and Description of safety valves to each boiler *two, direct spring*  
of each set of valves per boiler {per Rule 8.96 as fitted 9.8 Pressure to which they are adjusted 200 lb Are they fitted with easing gear *Yes*  
se of donkey boilers, state whether steam from main boilers can enter the donkey boiler  
Test distance between boilers or uptakes and bunkers or woodwork 6" Is oil fuel carried in the double bottom under boilers  
Test distance between shell of boiler and tank top plating Is the bottom of the boiler insulated *NO*  
Test internal dia. of boilers Length Shell plates: Material Tensile strength  
Thickness Are the shell plates welded or flanged Description of riveting: circ. seams {end, inter.  
seams Diameter of rivet holes in {circ. seams Pitch of rivets {  
Percentage of strength of circ. end seams {plate, rivets Percentage of strength of circ. intermediate seam {plate, rivets  
Percentage of strength of longitudinal joint {plate, rivets, combined Working pressure of shell by Rules  
Thickness of butt straps {outer, inner No. and Description of Furnaces in each Boiler  
Material Tensile strength Smallest outside diameter  
Thickness of plates {top, bottom Thickness of plates {top, bottom Description of longitudinal joint  
Dimensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules  
plates in steam space: Material Tensile strength Thickness Pitch of stays  
Are stays secured Working pressure by Rules  
plates: Material {front, back Tensile strength Thickness  
Pitch of stay tubes in nests Pitch across wide water spaces Working pressure {front, back  
Boilers to combustion chamber tops: Material Tensile strength Depth and thickness of girder  
Length as per Rule Distance apart No. and pitch of stays  
Working pressure by Rules Combustion chamber plates: Material  
Thickness: Sides Back Top Bottom  
of stays to ditto: Sides Back Top Are stays fitted with nuts or riveted over  
Working pressure by Rules Front plate at bottom: Material Tensile strength  
Lower back plate: Material Tensile strength Thickness  
of stays at wide water space Are stays fitted with nuts or riveted over  
Working Pressure Main stays: Material Tensile strength  
At body of stay, No. of threads per inch Area supported by each stay  
Over threads  
Working pressure by Rules Screw stays: Material Tensile strength  
At turned off part, No. of threads per inch Area supported by each stay  
Over threads



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W 563-0256



Working pressure by Rules ☐ Are the stays drilled at the outer ends ☐ Margin stays: Diameter ☐ At turned off part, or Over threads ☐

No. of threads per inch ☐ Area supported by each stay ☐ Working pressure by Rules ☐

**Tubes:** Material ☐ External diameter ☐ Plain ☐ Stay ☐ Thickness ☐ No. of threads per inch ☐

Pitch of tubes ☐ Working pressure by Rules ☐ Manhole compensation: Size of opening ☐

shell plate ☐ Section of compensating ring ☐ No. of rivets and diameter of rivet holes ☐

Outer row rivet pitch at ends ☐ Depth of flange if manhole flanged ☐ **Steam Dome:** Material ☐

Tensile strength ☐ Thickness of shell ☐ Description of longitudinal joint ☐

Diameter of rivet holes ☐ Pitch of rivets ☐ Percentage of strength of joint ☐ Plate ☐ Rivets ☐

Internal diameter ☐ Working pressure by Rules ☐ Thickness of crown ☐ No. and diameter ☐

stays ☐ Inner radius of crown ☐ Working pressure by Rules ☐

How connected to shell ☐ Size of doubling plate under dome ☐ Diameter of rivet holes and ☐

of rivets in outer row in dome connection to shell ☐

**Type of Superheater** ☐ Manufacturers of ☐ Tubes ☐ Steel castings ☐

Number of elements ☐ Material of tubes ☐ Internal diameter and thickness of tubes ☐

Material of headers ☐ Tensile strength ☐ Thickness ☐ Can the superheater be shut off ☐

the boiler be worked separately ☐ Is a safety valve fitted to every part of the superheater which can be shut off from the boiler ☐

Area of each safety valve ☐ Are the safety valves fitted with easing gear ☐ Working pressure ☐

Rules ☐ Pressure to which the safety valves are adjusted ☐ Hydraulic test pressure ☐

tubes ☐ castings ☐ and after assembly in place ☐ Are drain cocks or valves ☐

to free the superheater from water where necessary ☐

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with ☐

The foregoing is a correct description, ☐

Manufa ☐

Dates of Survey ☐ During progress of work in shops - - - ☐ 1932 ☐ Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.) ☐

while building ☐ During erection on board vessel - - - ☐ July 7, 15, 26 Aug. 6, 10, 22 ☐ Total No. of visits ☐ 6 ☐

Is this Boiler a duplicate of a previous case ☐ If so, state Vessel's name and Report No. ☐

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

This boiler has been fitted & secured on board in a satisfactory manner.

The boiler has been examined under steam & the safety valves have been adjusted as stated & an accumulative test proved satisfactory.

It is recommended that the record of + NB 8,32 be made in the Register Book.

Survey Fee ... £ ☐ : ☐ : ☐ When applied for, 19 ☐

Travelling Expenses (if any) £ ☐ : ☐ : ☐ When received, 19 ☐

Clive Bell  
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute ☐ FRI. 16 SEP 1932 ☐

Assigned ☐ See Rpt. 9 Gms. 18111 ☐