

REPORT ON BOILERS.

No. 50653

10 SEP 1930

Received at London Office

Date of writing Report

When handed in at Local Office

8. 9. 10 30 Port of Glasgow

No. in Survey held at

Glasgow

Date, First Survey

6. 1. 30

Last Survey

2 Sept. 1930

(Number of Visits 43)

Gross 1259

Net 467

on the

S.S. Cite De. Leno

Master

Built at Old Kipahids

By whom built Dapin & Miller Ltd

Yard No. 274

When built 1930

Engines made at

Glasgow

By whom made

Jockie & Bantin Ltd

Engine No. 1259

When made 1930

Boilers made at

Glasgow

By whom made

D. W. Henderson & Co Ltd

Boiler No. 16F

When made 1930

Nominal Horse Power

277

Owners

Lewis Lunn Company

Port belonging to

Glasgow

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

See also Report No. 50545.

(Letter for Record)

Total Heating Surface of Boilers

Is forced draught fitted Yes

Coal or Oil fired Coal

No. and Description of Boilers

Working Pressure 185 lb

Tested by hydraulic pressure to

Date of test 21.5.30

No. of Certificate 18437

Can each boiler be worked separately Yes

Area of Firegrate in each Boiler

No. and Description of safety valves to each boiler

Area of each set of valves per boiler

per Rule as fitted

Pressure to which they are adjusted 185 lb

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 or woodwork

Will clear

Is oil fuel carried in the double bottom under boilers

Yes

Smallest distance between shell of boiler and tank top plating

Is the bottom of the boiler insulated

Yes

Largest internal dia. of boilers

Length

Shell plates: Material

Tensile strength

Thickness

Are the shell plates welded or flanged

Description of riveting: circ. seams

Working 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

Length of plain part

top bottom

Thickness of plates

crown bottom

Description of longitudinal joint

Dimensions of stiffening rings on furnace or c.c. bottom

Working pressure of furnace by Rules

End plates in steam space: Material

Tensile strength

Thickness

Pitch of stays

How are stays secured

Working pressure by Rules

Tube plates: Material

front back

Tensile strength

Thickness

Lean pitch of stay tubes in nests

Pitch across wide water spaces

Working pressure

Orders to combustion chamber tops: Material

Tensile strength

Depth and thickness of girder

Centre

Length as per Rule

Distance apart

No. and pitch of stays

Each

Working pressure by Rules

Combustion chamber plates: Material

Tensile strength

Thickness: Sides

Back

Top

Bottom

Pitch 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

Thickness

Lower back plate: Material

Tensile strength

Thickness

Pitch of stays at wide water space

Are stays fitted with nuts or riveted over

Working Pressure

Main stays: Material

Tensile strength

Diameter

At body of stay, or Over threads

No. of threads per inch

Area supported by each stay

Working pressure by Rules

Screw stays: Material

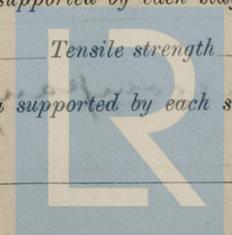
Tensile strength

Diameter

At turned off part, or Over threads

No. of threads per inch

Area supported by each stay



Lloyd's Register Foundation

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 pitch

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 and the boiler be worked separately*

Area of each safety valve *Are the safety valves fitted with easing gear* Working pressure as per Rules

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

tubes *castings* and after assembly in place *Are drain cocks or valves fitted 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, _____

Manufacture _____

Dates of Survey *{ During progress of work in shops - - } See accompanying machinery report* Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)

while building *{ During erection on board vessel - - }* Total No. of visits *43*

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.)

These Boilers have been placed on board and efficiently secured in position. The Safety valves have been adjusted and the Boilers examined under steam & found in order.

J.S.C.
9.9.30

Survey Fee £ : : | When applied for, 19

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

Godwin
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute *GLASGOW 9. SEP 1930* *JMA* *FRI. 7 NOV 1930*

Assigned *See accompanying machinery report*

