

REPORT ON BOILERS.

No. 50653

10 SEP 1930

Received at London Office

Date of writing Report

19

When handed in at Local Office

8. 9. 10. 30 Port of

Glasgow

No. in Survey held at
eg. Book.

Glasgow

Date, First Survey

6. 1. 30

Last Survey

2. Sept.

1930.

(Number of Visits 43)

Tons { Gross 1259.
Net 467.

on the

I. S. Citi De. Leno

Master

Built at Old Kipahicks

By whom built

Dapin & Miller Ltd

Yard No.

274

When built 1930.

Engines made at

Glasgow

By whom made

J. & B. Ltd

Engine No.

1259

When made 1930.

Boilers made at

Glasgow

By whom made

D. W. Henderson & Co Ltd

Boiler No.

165

When made 1930.

Nominal Horse Power

277

Owners

Luis Lamy Company

Port belonging to

Glasgow

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

See Rpt. No. 50545.

Manufacturers of Steel

(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

✓

Smallest distance between boilers or uptakes and bunkers or woodwork

Will clear

Is oil fuel carried in the double bottom under boilers

✓

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 { end
inter.

Long. seams

Diameter of rivet holes in { circ. seams
long. seams

Pitch of rivets {

Percentage of strength of circ. end seams { plate
rivetsPercentage of strength of circ. intermediate seam { plate
rivetsPercentage 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

Tensile strength

Smallest outside diameter

Length of plain part { top
bottomThickness 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 { front
back

Girders 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

Working pressure by Rules
No. of threads per inch
Tubes: Material
Pitch of tubes
shell plate
Outer row rivet pitch at ends
Tensile strength
Diameter of rivet holes
Internal diameter
stays
How connected to shell
of rivets in outer row in dome connection to shell

Are the stays drilled at the outer ends
Area supported by each stay
External diameter
Working pressure by Rules
Section of compensating ring
Depth of flange if manhole flanged
Thickness of shell
Pitch of rivets
Working pressure by Rules
Inner radius of crown
Size of doubling plate under dome

Margin stays: Diameter
Working pressure by Rules
Thickness
No. of threads per inch
Manhole compensation: Size of opening
No. of rivets and diameter of rivet holes
Steam Dome: Material
Description of longitudinal joint
Percentage of strength of joint
Thickness of crown
Working pressure by Rules
Diameter of rivet holes and pitch

Type of Superheater
Number of elements
Material of headers
the boiler be worked separately
Area of each safety valve
Rules
tubes
to free the superheater from water where necessary

Manufacturers of
Internal diameter and thickness of tubes
Thickness
Can the superheater be shut off
Is a safety valve fitted to every part of the superheater which can be shut off from the boiler
Are the safety valves fitted with easing gear
Pressure to which the safety valves are adjusted
and after assembly in place
Are drain cocks or valves fitted

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

The foregoing is a correct description,

Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - -
See accompanying machy report
Are the approved plans of boiler and superheater forwarded herewith
(If not state date of approval.)
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.

Survey Fee ... £ : : When applied for, 19
Travelling Expenses (if any) £ : : When received, 19

Goodman
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute GLASGOW 9-SEP-1930

Assigned See accompanying machy report