

REPORT ON BOILERS.

No. 19340

Date of writing Report 9th DECEMBER 1931.

When handed in at Local Office 11-12-1931

Received at London Office 16 DEC 1931

Port of Greenock.

No. in Reg. Book.

Survey held at Greenock.

Date, First Survey 22nd OCTOBER 1931.Last Survey 4th Dec 1931.

on the

M.V. "ACTIVITY"

(Number of Visits)

Gross 388.46
Tons Net 144.40

Master Built at Greenock By whom built G. Brown & Co. Ltd Yard No. 182 When built 1931.
Engines made at Newbury By whom made Plenty Still Oil Eng Co. Ltd Engine No. 634 When made 1931.
Boilers made at Glasgow By whom made Jas Neilson & Sons Ltd Boiler No. 4544 When made 1931
Nominal Horse Power 1 Owners F. J. Everard & Sons Ltd Port belonging to London.

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR~~ DONKEY.

Manufacturers of Steel

Total Heating Surface of Boilers

H 4 H

(Letter for Record S)

No. and Description of Boilers

One S. B.

Is forced draught fitted NO

Coal or Oil fired Oil.

Working Pressure 180 lbs

Tested by hydraulic pressure to

Date of test

No. of Certificate

Can each boiler be worked separately

Area of Firegrate in each Boiler

No. and Description of safety valves to each boiler

Two direct spring loaded

Area of each set of valves per boiler

per Rule 3.69 sq

Pressure to which they are adjusted 180 lbs

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

18 1/2"

Is oil fuel carried in the double bottom under boilers NO

Smallest distance between shell of boiler and tank top plating

14 1/2"

Is the bottom of the boiler insulated NO.

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

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

Mean 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

at centre

Length as per Rule

Distance apart

No. and pitch of stays

in 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

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Foundation

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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 in
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 51885 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 of
stays Inner radius of crown Working pressure by Rules
How connected to shell SEE GLASGOW RPT N° 51885 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 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 as per
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,

Manufacturer

Dates of Survey { During progress of work in shops - -
while building { During erection on board vessel - - -

Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)

yes

Total No. of visits

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.)

For Survey during construction see Rls Rpt N° 51885.

Now done:- This boiler has been securely fitted on board the vessel, and the safety valves adjusted under steam as stated.

NOTE: The safety valves did not shut down satisfactorily after lifting, and should be examined, put in order and again adjusted. The Owner stated that this would be done after the vessels arrival in London. London Surveyors notified.

This boiler is eligible, in my opinion, to be classed in the Register Book, with record of survey 180 lbs. when the safety valves have been examined, put in order, & adjusted under steam.

Change in Rls Rpt N° 51885.

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

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

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 15 DEC 1931

FRI. 8 JAN 1932

Assigned

Deferred



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