

REPORT ON BOILERS.

No. 10433.

Received at London Office

JAN 15 1938

Date of writing Report

9th January 1937

When handed in at Local Office

19

Port of Copenhagen

No. in
Reg. Book

Survey held at

Narvik

Date, First Survey

17th October

Last Survey

17th December 1937

37636 on the Steamer "COPIAPO"

(Number of Visits

9.

Gross 7216.41

Tons Net 4433.65

Built at

Narvik

By whom built

Oslo Skipsvarf
A/S. Bunnister & Wærnis
Havskis-og Skipsbyggeri

Yard No.

82

When built

1937

Engines made at

Copenhagen

By whom made

Havskis-og Skipsbyggeri

Engine No.

2711

When made

1937

Boilers made at

Ammann

By whom made

Bockmann & Co Ltd

Boiler No.

13838

When made

1937

Owners

Compania Sud Americana de Vapores

Port belonging to

Valparaiso

VERTICAL DONKEY BOILER.

Please see Glasgow Report No.

Made at Amman By whom made Bockmann & Co Ltd. Boiler No. 13838 When made 1937 Where fixed in the engine room

Manufacturers of Steel

Total Heating Surface of Boiler

Is forced draught fitted

no

Coal or Oil fired & exhaust gas

No. and Description of Boilers

one

Working pressure

100 lbs

Tested by hydraulic pressure to

200 lbs

Date of test

22.10.37

No. of Certificate

20039

Area of Firegrate in each Boiler

No. and Description of safety valves to each boiler

2 off direct spring loaded - 2" dia

Area of each set of valves per boiler

per rule
as fitted 6.3 sq ft

Pressure to which they are adjusted

100 lbs

Are they fitted with easing gear

yes

State whether steam from main boilers can enter the donkey boiler

Smallest distance between boiler or uptake and bunkers

or woodwork

no woodwork

Is oil fuel carried in the double bottom under boiler

Smallest distance between base of boiler and tank top plating

Boiler placed on a platform in the engine room

Is the base of the boiler insulated

yes

Largest internal dia. of boiler

Height

Shell plates: Material

Tensile strength

Thickness

Are the shell plates welded or flanged

Description of riveting: circ. seams

end

long. seams

Dia. of rivet holes in

circ. seams

Pitch of rivets

Percentage of strength of circ. seams

plate

of Longitudinal joint

rivets

combined

Working pressure of shell by rules

Thickness of butt straps

outer

inner

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat

Material

Tensile strength

Thickness

Radius

Working pressure by rules

Description of Furnace: Plain, spherical, or dished crown

Material

Tensile strength

Thickness

External diameter

top

bottom

Length as per rule

Working pressure by rules

Pitch of support stays circumferentially

and vertically

Are stays fitted with nuts or riveted over

Diameter of stays over thread

Radius of spherical or dished furnace crown

Working pressure by rule

Thickness of Ogee Ring

Diameter as per rule

D

a

Working pressure by rule

Combustion Chamber: Material

Tensile strength

Thickness of top plate

Radius if dished

Working pressure by rule

Thickness of back plate

Diameter if circular

Length as per rule

Pitch of stays

Are stays fitted with nuts or riveted over

Diameter of stays over thread

Working pressure of back plate by rules

Tube Plates: Material

front

Tensile strength

back

Thickness

Mean pitch of stay tubes in nests

If comprising shell, Dia. as per rule

front

back

Pitch in outer vertical rows

Dia. of tube holes FRONT

stay

BACK

stay

plain

Is each alternate tube in outer vertical rows a stay tube

Working pressure by rules

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 rule

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Foundation

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Crown 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 ☒ Are the stays drilled at the outer ends ☒

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 ☒

Uptake: External diameter ☒ Thickness of uptake plate ☒

Cross Tubes: No. ☒ External diameters { ☒ Thickness of plates ☒

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

The foregoing is a correct description.
NAKSKOV SKIBSVÆRFT

O. Mikkelsen Manufacturer

Dates of Survey { During progress of work in shops - ☒ 17/11 - 23/11 - 25/11 - 26/11 - 30/11 - 1/12 - 8/12 - 15/12 - 17/12 1937
while building { During erection on board vessel - ☒ Is the approved plan of boiler forwarded herewith ☒ (If not state date of approval.)
Total No. of visits 9

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 dunky boiler has been fitted on board the above vessel under special survey in accordance with the Rules

2 duplex steam feed pumps 4" x 2 3/4" x 5" has been fitted to the boiler. The boiler is supplying steam for the heating in the accommodation and the brine heater.

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

Committee's Minute
Assigned

FRI 28 JAN 1938

See Spec. 10433

P. Langkilde Jensen
Engineer Surveyor to Lloyd's Register of Shipping.

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