

REPORT ON BOILERS.

No. 15952

17 SEP 1945

Received at London Office

Date of writing Report 2nd Oct 1940 When handed in at Local Office

Port of Amsterdam

No. in
Reg. Book

Survey held at

Heengelo

Date, First Survey

8 Dec 1939

Last Survey

3rd May 1940

1940

on the

No. 4. "Amerskerk"

(Number of Visits 16.)

Gross

Tons

Net

Built at

Amsterdam

By whom built

Red: Scheepsbouw My

Yard No. 200

When built

Engines made at

Heengelo

By whom made

H. T. Mach: fabri: Gebr. Stork

Engine No. 4399

When made

Boilers made at

Heengelo

By whom made

H. T. Mach: fabri: Gebr. Stork

Boiler No. 4901

When made 1940

Owners

H. T. Vereenigde Red: Scheepvaart My

Port belonging to

S. Gravenhage.

Silences economises

VERTICAL DONKEY BOILER.

Made at

Heengelo

By whom made

H. T. Mach: fabri: Gebr. Stork

Boiler No. 4901

When made 1940

Where fixed

Manufacturers of Steel

Kubestahl et G. Heinrichshütte Haarlingen Ruhr.

Total Heating Surface of Boiler

economiser 80 cM² (76 M² in plan)

Is forced draught fitted

Coal or Oil fired

Exhaust gas.

No. and Description of Boilers

1 Stork exhaust gas economiser

Working pressure

7 kg/cm²

Tested by hydraulic pressure to

14 kg/cm²

Date of test

3-5-40

No. of Certificate

457

Area of Firegrate in each Boiler

No. and Description of safety valves to each boiler

Spring loaded Safety valves 70 M

Area of each set of valves per boiler

per rule 11.7 M²

as fitted

Pressure to which they are adjusted

7 kg/cm²

Are they fitted with easing gear

Yes.

State whether steam from main boilers can enter the donkey boiler

No

Smallest distance between boiler or uptake and bunkers

or woodwork

Is oil fuel carried in the double bottom under boiler

Smallest distance between base of boiler and tank top plating

Is the base of the boiler insulated

Yes

Dimensions

Largest internal dia. of boiler 2040 x 1530 M Height 2950 M

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

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

back

Tensile strength

Thickness

Mean pitch of stay tubes in nests

front

back

If comprising shell, Dia. as per rule

front

back

Pitch in outer vertical rows

Dia. of tube holes FRONT

stay

plain

BACK

stay

plain

Is each alternate tube in outer vertical rows a stay tube

No stay tubes

Working pressure by rules

front

back

Girders to combustion chamber tops: Material

Tensile strength

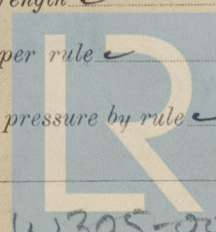
Depth and thickness of girder at centre

Length as per rule

Distance apart

No. and pitch of stays in each

Working pressure by rule



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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 *S.M. Steel*

Tensile strength *44.50 kg/cm²*

Diameter { at turned off part, or over threads. *1" 1*

No. of threads per inch *8*

Area supported by each stay *190 cm²*

Working pressure by rules *9.1 kg/cm²*

Are the stays drilled at the outer ends ✓

Tubes: Material *S.M. Steel*

External diameter { plain *1 1/2"* stay *3 7/8"*

Thickness *3 7/8"*

No. of threads per inch ✓

Pitch of tubes *Horizontal 62 mm*

Working pressure by rules *16.7 kg/cm²*

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,
MACHINEFABRIEK GEBR. STORK & CO. NV

Manufacturer.

Dates of Survey { During progress of work in shops - *Dec 0-29 Jan 5-12-19-26*
while building { *Feb. 2-14-23 March 15-21-28*
During erection on board vessel - *April 5-12-24 May 3*

Is the approved plan of boiler forwarded herewith *7/11/39 - 14/3/40*
(If not state date of approval.)

Total No. of visits *16*

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.) *The Silencer has been made under Special Survey in accordance with the approved plan, Secretary letters and Society's rules. Material tested as required and workmanship good.*

Survey Fee ... £ *50.00* : When applied for, *14.10* - 19 *40*
Travelling Expenses (if any) £ *15.00* : When received, *20.11* - 19 *40*

FRI. 28 DEC 1945

Committee's Minute

Assigned *No Action*

Engineer Surveyor to Lloyd's Register of Shipping.



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