

REPORT ON BOILERS.

No. 12047

Received at London Office 15 JUN 1959

Writing Report 11/6 1959. When handed in at Local Office 19... Port of Stockholm

Survey held at Gävle Date, First Survey 13.8.1958 Last Survey 16.4. 19 59

(Number of Visits 3) Tons { Gross 1500 Net

on the Twin Screw Motorship "ALDAN"

at Gävle By whom built A/B Gävle Varv Yard No. 100 When built 1959

made at Hamburg By whom made Maschinenfabrik Augsburg-Nürnberg AG Engine No. 405252/3 When made 1958

made at Sävsjö, Sweden By whom made A/B Vatten och Ånga Boiler No. 25306 When made 1958

per Rule Owners U.S.S.R. Port belonging to Leningrad

L TUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

Heating Surface of Boilers

for Register Book Is forced draught fitted Coal or Oil fired

and Description of Boilers Working Pressure

by hydraulic pressure to Date of test No. of Certificate Can each boiler be worked separately

of Firegrate in each Boiler No. and Description of safety valves to each boiler

of each set of valves per boiler { per Rule as fitted Pressure to which they are adjusted 85 lbs/sq. in. Are they fitted with easing gear Yes

of donkey boilers, state whether steam from main boilers can enter the donkey boiler

least distance between boilers or uptakes and bunkers or woodwork 710 mm Is oil fuel carried in the double bottom under boilers No

least distance between boilers or uptakes and bunkers or woodwork Is the bottom of the boiler insulated Yes

least internal dia. of boilers Length Shell plates: Material Tensile strength

ision welded, state name of welding Firm Have all the requirements of the Rules for Class I vessels

complied with Thickness Are the shell plates welded or flanged Description of riveting: circ. seams { end inter

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

centage of strength of circ. end seams { plate rivets Percentage of strength of circ. intermediate seam { plate rivets

centage of strength of longitudinal joint { plate rivets combined

ickness of butt straps { outer inner No. and Description of Furnaces in each Boiler

erial Tensile strength Smallest outside diameter

gh of plain part { top bottom Thickness of plates Description of longitudinal joint

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

d plates in steam space: Material Tensile strength Thickness Pitch of stays

are stays secured

be plates: Material { front back Tensile strength Thickness {

in pitch of stay tubes in nests Pitch across wide water spaces

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 Combustion chamber plates: Material

ile strength Thickness: Sides Back Top Bottom

ch of stays to ditto: Sides Back Top Are stays fitted with nuts or riveted over

ont plate at bottom: Material Tensile strength

ickness Lower back plate: Material Tensile strength Thickness

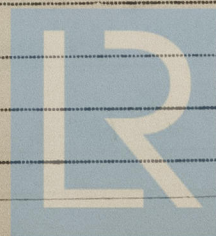
ch of stays at wide water space Are stays fitted with nuts or riveted over

in stays: Material Tensile strength

iameter { At body of stay or Over threads No. of threads per inch

ew stays: Material Tensile strength

iameter { At turned off part or Over threads No. of threads per inch



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Are the stays drilled at the outer ends.....

No. of threads per inch.....

Margin stays: Diameter { At turned off part,.....
or
Over threads.....

Tubes: Material.....

External diameter { Plain.....
Stay.....

Thickness {

No. of threads per inch.....

Pitch of tubes.....

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.....

Thickness of crown.....

No. and diameter of stays.....

stays.....

Inner radius of crown.....

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.....

Number of elements.....

Material of tubes.....

Internal diameter and thickness of tubes.....

Material of headers.....

Tensile strength.....

Thickness.....

Can the superheater be shut off from the boiler.....

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.....

Pressure to which the safety valves are adjusted.....

Hydraulic test pressure.....

tubes.....

forgings and castings.....

and after assembly in place.....

Are drain cocks fitted.....

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..... Yes

The foregoing is a correct description,
Aktiebolaget Gävle Varv

gn. Sigmund Engqvist

Manufactured at.....

Dates of Survey while building {

During progress of work in shops - -

During erection on board vessel - - -

13.8.58 - 16.4.59

Are the approved plans of boiler and superheater forwarded herewith..... London 29.6.57

(If not state date of approval.)

Total No. of visits.....

3

Is this Boiler a duplicate of a previous case..... Yes

If so, state Vessel's name and Report No. "PAMIR" Got. Rpt. No. 24096.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This donkey boiler has been fitted onboard in accordance with the Rules and to my satisfaction. The workmanship is good.

Safety valves adjusted under steam, and accumulation pressure test carried out with satisfactory results.

Survey Fee £ No charge.

Travelling Expenses (if any) £ : :

When applied for.....19.....

When received.....19.....

Committee's Minute.....

FRIDAY 24 JUL 1959

Assigned.....

See Rpt. 1.

Engineer Surveyor to Lloyd's Register of Shipping.



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