

REPORT ON BOILERS.

No. 12047

Received at London Office 15 JUN 1959

Writing Report 11/6 1959. When handed in at Local Office 1959. Port of Stockholm
Survey held at Gävle Date, First Survey 13.8.1958 Last Survey 16.4. 1959
(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
Hamburg By whom made Maschinenfabrik Augsburg-Nürnberg AG Engine No. 405252/3 When made 1958
Sävsjö, Sweden By whom made A/B Vatten och Ånga Boiler No. 25306 When made 1958
Owners U.S.S.R. Port belonging to Leningrad

TITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

GOTHENBURG REPORT No. 24200

Heating Surface of Boilers
for Register Book Is forced draught fitted Coal or Oil fired
and Description of Boilers Working Pressure
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
fusion 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} rivets
seams Diameter of rivet holes in {circ. seams long. seams} Pitch of rivets
Percentage of strength of circ. end seams {plate rivets} Percentage of strength of circ. intermediate seam {plate rivets}
Percentage of strength of longitudinal joint {plate rivets combined}
Thickness of butt straps {outer inner} No. and Description of Furnaces in each Boiler
Smallest outside diameter
Thickness of plates Description of longitudinal joint
Dimensions of stiffening rings on furnace or c.c. bottom
plates in steam space: Material Tensile strength Thickness Pitch of stays
are stays secured
be plates: Material {front back} Tensile strength Thickness
pitch of stay tubes in nests Pitch across wide water spaces
rings 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
Tensile strength Thickness: Sides Back Top Bottom
pitch of stays to ditto: Sides Back Top Are stays fitted with nuts or riveted over
bottom plate at bottom: Material Tensile strength
Lower back plate: Material Tensile strength Thickness
pitch of stays at wide water space Are stays fitted with nuts or riveted over
main stays: Material Tensile strength
Diameter {At body of stay or Over threads} No. of threads per inch
New stays: Material Tensile strength
Diameter {At turned off part or Over threads} No. of threads per inch

Are the stays drilled at the outer ends..... Margin stays: Diameter { At turned off part,.....
 No. of threads per inch..... { Over threads.....

Tubes: Material..... External diameter { Plain..... Thickness { No. of threads per inch.....
 Stay.....

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
 of rivets in outer row in dome connection to shell.....

Type of Superheater..... Manufacturers of { Tubes.....
 Steel forgings.....
 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
 the boiler be worked separately..... As 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
 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 HENRIK
 BOILER REPORT NO. 24096

The foregoing is a correct description,
 Aktiebolaget Gävle Varv
 gn. Sigurd Engqvist
 Manufacturer

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.

S.M.A.

Survey Fee £ No charge. } When applied for.....19.....
 Travelling Expenses (if any) £ : : } When received.....19.....

J. Carlsson
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute..... FRIDAY 24 JUL 1959

Assigned..... See Rpt. 1.

