

REPORT ON BOILERS.

No. 24300

Received at London Office

AUG 1958

Submitting Report 17/7 1958 When handed in at Local Office 9/8 1958 Port of Gothenburg
 Survey held at Gothenburg Date, First Survey 3/6 -58 Last Survey 9/7 1958.
 on the Single Screw Motor Tanker "S I G N E I N G E L S S O N" (Number of Visits 12) Tons { Gross 12615
 Net 7304
 Gothenburg By whom built A/B Götaverken Yard No. 728 When built 1958
 made at Gothenburg By whom made A/B Götaverken Engine No. 3023 When made 1958.
 If so, 3223
 made at Gothenburg By whom made A/B Lindholmens Varv Boiler No. 3224 When made 1957
 const. 1640 Owners A/B Transmarin Port belonging to Hålsingborg
 total

TUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel
 Heating Surface of Boilers
 Register Book
 Description of Boilers
 Working Pressure 180 lbs/sq. inch
 by hydraulic pressure to
 Date of test
 No. of Certificate 23655
 Can each boiler be worked separately Yes
 Firegrate in each Boiler
 No. and Description of safety valves to each boiler One double spring loaded.
 each set of valves per boiler { per Rule 24.3 sq. cm.
 as fitted 38.6 sq. cm. Pressure to which they are adjusted 180 lbs/sq. inch Are they fitted with easing gear Yes
 of donkey boilers, state whether steam from main boilers can enter the donkey boiler No main boilers
 distance between boilers or uptakes and bunkers or woodwork About 1 m. from the APT bulkhead Boilers placed on a platform.
 distance between boilers or uptakes and bunkers or woodwork --- Is the bottom of the boiler insulated Yes
 internal dia. of boilers Length Shell plates: Material Tensile strength
 welded, state name of welding Firm Have all the requirements of the Rules for Class I vessels
 applied with Thickness Are the shell plates welded or flanged Description of riveting: circ. seams { end
 inter.
 Diameter of rivet holes in { circ. seams
 long. seams Pitch of rivets {
 Percentage of strength of circ. intermediate seam { plate
 rivets
 plate
 rivets
 combined
 of strength of longitudinal joint
 of butt straps { outer
 inner
 No. and Description of Furnaces in each Boiler
 Tensile strength Smallest outside diameter
 of plain part { top
 bottom Thickness of plates Description of longitudinal joint
 ons of stiffening rings on furnace or c.c. bottom
 ites in steam space: Material Tensile strength Thickness Pitch of stays
 stays secured
 plates: Material { front
 back Tensile strength Thickness {
 itch of stay tubes in nests Pitch across wide water spaces
 to combustion chamber tops: Material Tensile strength Depth and thickness of girder
 Length as per Rule Distance apart No. and pitch of stays
 Combustion chamber plates: Material
 strength Thickness: Sides Back Top Bottom
 stays to ditto: Sides Back Top Are stays fitted with nuts or riveted over
 late at bottom: Material Tensile strength
 Lower back plate: Material Tensile strength Thickness
 stays at wide water space Are stays fitted with nuts or riveted over
 stays: Material Tensile strength
 At body of stay
 or
 Over threads No. of threads per inch
 stays: Material Tensile strength
 At turned off part,
 or
 Over threads No. of threads per inch



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Are the stays drilled at the outer ends..... Margin stays: Diameter { At turned off part,.....
or
Over threads.....
No. of threads per inch.....
Tubes: Material..... External diameter { Plan..... Thickness { No. of threads per inch.....
Stay.....
Pitch of tubes..... Manhole compensation: Size of
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
stays..... Inner radius of crown.....
How connected to shell..... Size of doubling plate under dome..... Diameter of rivet hole
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
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
tubes..... forgings and castings..... and after assembly in place..... Are drawn
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 GÖTAVERKEN

Dates of Survey while building { During progress of work in shops - - - - - Are the approved plans of boiler and superheater forwarded herewith.....
(If not state date of approval.)
During erection on board vessel - - - - - 3/6 -58 - 9/7 -58. Total No. of visits..... 12.....

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.)

These donkey boilers have been securely fitted on board under my inspection and to my satisfaction.
The boilers were built under Special Survey as per Gothenburg Report No.23655, copy of which is attached.
An exhaust gas economiser of A-B. Götaverken's multitubular type has been securely fitted on board under inspection and to my satisfaction. This economiser has been built under Special Survey as per Gothenburg Certificate No.24667 attached. The safety valves of both donkey boilers and of the exhaust gas economiser have been adjusted to 180 lbs. per square inch, and an accumulation test has also been carried out and found satisfactory. The burning arrangement examined under working conditions.

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

FRIDAY - 5 SEP 1958

Committee's Minute.....

Assigned Sie Rpt. 1.

Erland Larsson
Engineer Surveyor to Lloyd's Register of Shipping



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