

REPORT ON BOILERS.

No. 24300

Received at London Office

AUG 1958

Survey 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 "SIGNE INGELSSON" (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

made at Gothenburg By whom made A/B Lindholmens Varv Boiler No. 3224 When made 1957

Rule 1640 Owners A/B Transmarin Port belonging to Hälsingborg

TUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Material of Steel

Heating Surface of Boilers Of Superheaters

Register Book Is forced draught fitted Yes Oil fired Yes

Description of Boilers Working Pressure 180 lbs/sq. inch

Tested 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 Ruls. 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 Is oil fuel carried in the double bottom under boilers on a platform. Boilers placed

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

are 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

Holes 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

Tensile strength Smallest outside diameter

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

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

Stays in steam space: Material Tensile strength Thickness Pitch of stays

Stays secured

Manifolds: Material { front back Tensile strength Thickness

Pitch of stay tubes in nests Pitch across wide water spaces

Stays 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

Plate at bottom: Material Tensile strength

Lower back plate: Material Tensile strength Thickness

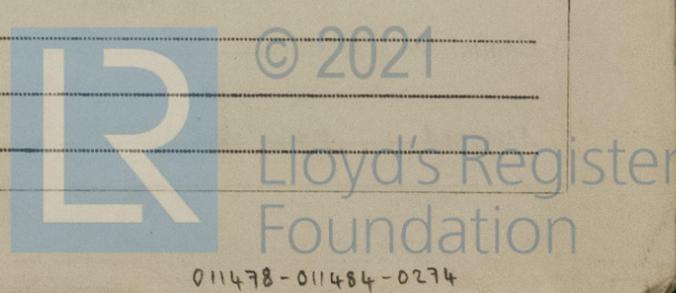
Stays at wide water space Are stays fitted with nuts or riveted over

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



Are the stays drilled at the outer ends Margin stays: Diameter { At turned off part,
 { 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 s
 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 tes
 tubes forgings and castings and after assembly in place Are dro
 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, *[Signature]*
AKTIEBOLAGET GÖTAVÄRKEN

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 steam 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

[Signature]
 Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute

Assigned *See Rpt. 1.*

