

REPORT ON BOILERS.

No. 2535.

21 JAN 1948

Received at London Office

Date of writing Report 16th Jan. 1948. When handed in at Local Office 20th Jan. 1948. Port of *Malmö.*

No. in Survey held at *Malmö.* Date, First Survey 12th Nov. 1947 Last Survey 13th Jan. 1948.

Reg. Book *37477* on the *M/S "TILIA GORTHON"* (Number of Visits 4. Tons Gross 1862 Net 883.)

Built at *Malmö* By whom built *Kockumms Mek. V. A. B.* Yard No. 285 When built 1948

Engines made at *Malmö* By whom made *Kockumms Mek. V. A. B.* Engine No. 398 When made 1948

D-Boiler made at *Motala* By whom made *A. B. Motala Verkstad* Boiler No. 3153 When made 1946

Owners *Rudolf A. B. Engle* Port belonging to *Helsingborg.*

VERTICAL BOILER.

Made at By whom made Boiler No. When made Where fixed *In motor room*

Manufacturers of Steel

Total Heating Surface of Boiler Is forced draught fitted *No* Coal or Oil fired *Oil*

No. and Description of Boilers Working Pressure

Tested by hydraulic pressure to Date of test No. of Certificate

Area of fire grate in each Boiler No. and description of safety valves to each boiler

Area of each set of valves per boiler { per Rule as fitted Pressure to which they are adjusted *2 kg. cm²* Are they fitted with easing gear *Yes*

State whether steam from main boilers can enter the donkey boiler *No main boiler* Smallest distance between boiler or uptake and bunkers or woodwork *300 mm.* Is oil fuel carried in the double bottom under boiler *Yes* Smallest distance between base of boiler and tank top plating *Yes, bricks*

Is the base of the boiler insulated *Yes, bricks* Largest internal dia. of boiler Height

Shell plates: Material Tensile strength Thickness

Are the shell plates welded or flanged If fusion welded, state name of welding firm

Have all the requirements of the Rules for Class I vessels been complied with Description of riveting: circ. seams { end inter. long. seams { plate rivets combined Thickness of butt straps { outer inner

Shell Crown: Whether complete hemisphere, dished partial

Radius Description of Furnace: Plain, spherical, or dished crown Material Tensile strength Thickness External diameter { top bottom Length as per Rule

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

Thickness of Ogee Ring Diameter as per Rule { D d

Combustion Chamber: Material Tensile strength Thickness of top plate

Radius if dished 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

Tube Plates: Material { front back Tensile strength Thickness Mean pitch of stay tubes in nests

If comprising shell, dia. as per Rule { front back Pitch in outer vertical rows { stay plain Dia. of tube holes FRONT { stay plain BACK { stay plain

Is each alternate tube in outer vertical rows a stay tube

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



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Crown Stays: Material..... Tensile strength..... Diameter { at body of stay..... or over threads.....

No. of threads per inch..... Screw 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.....

Tubes: Material..... External diameter { plain..... stay..... Thickness {

No. of threads per inch..... Pitch of tubes.....

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.....

The foregoing is a correct description,
KOCKUMS
MEKANISKA VERKSTADS AKTIEBOLAG
J. Rundegren Manufacturer.

Dates of Survey { During progress of work in shops - - } Is the approved plan of boiler forwarded herewith (If not state date of approval.)
while building { During erection on board vessel - - } 12th Nov. 1947 to 13th Jan. 1948 Total No. of visits 4.

Is this Boiler a duplicate of a previous case. Yes If so, state Vessel's name and Report No. M/S "O. O. Örgen" F. & Rpt. 2401.

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

This donkey boiler has been built under special survey and tested by the Surveyors to this Society as per Gothenburg report No. 14721 and has been installed onboard under my supervision and to my satisfaction.

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

Date FRI. 12 MAR 1948
Committee's Minute For minute see J.E. Rpt

A. Boring
Engineer Surveyor to Lloyd's Register of Shipping.
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