

REPORT ON BOILERS.

No. 1510.

Received at London Office 28 NOV 1936

10 mm
 38.7 a of writing Report 24th Nov. 1936. When handed in at Local Office 26th Nov. 1936. Port of **Malmö**.
 28 Atm
 7.5 mm
 24.9 in Survey held at **Landskrona** Date, First Survey 4th September Last Survey 14th Nov. 1936.
 25 Atm 56 on the **Imni Lenn 7/8 "JOHANNA THORDÉN"** (Number of Visits 3) Gross 3223 Tons Net 1642
 ter Built at **Landskrona** By whom built **Önsnidsvarvet** No. 41 When built 1936.
 ines made at **Copenhagen** By whom made **Akt. Pommerske & Wain** Engine No. 2556/7 When made 1936.
 er made at **Halifax** By whom made **Messrs. Lunnby & Co.** Boiler No. 5589 When made 1936.
 inal Horse Power 675 Owners **Pedernaktel. Tmska Nordamenska** Port belonging to **Bränds**.
 5 Seles

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel (Letter for Record)
 al Heating Surface of Boilers Is forced draught fitted Coal or Oil fired **Oil**
 and Description of Boilers Working Pressure
 ted by hydraulic pressure to Date of test No. of Certificate Can each boiler be worked separately
 a of Firegrate in each Boiler No. and Description of safety valves to each boiler
 a of each set of valves per boiler {per Rule as fitted Pressure to which they are adjusted 42 lbs Are they fitted with easing gear **Yes**
 case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ☒
 allest distance between boilers or uptakes and bunkers or woodwork ☒ Is oil fuel carried in the double bottom under boiler **Yes**
 allest distance between shell of boiler and tank top plating 640 mmr Is the bottom of the boiler insulated **Bricks**
 ggest internal dia. of boilers Length Shell plates: Material Tensile strength
 ickness Are the shell plates welded or flanged Description of riveting: circ. seams {end inter.
 g. 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 Working pressure of shell by Rules
 ickness of butt straps {outer inner
 No. and Description of Furnaces in each Boiler
 Tensile strength Smallest outside diameter
 ngth of plain part {top bottom Thickness of plates {crown bottom Description of longitudinal joint
 mensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules
 will plates in steam space: Material Tensile strength Thickness Pitch of stays
 in How are stays secured Working pressure by Rules
 be plates: Material {front back Tensile strength Thickness
 an pitch of stay tubes in nests Pitch across wide water spaces Working pressure {front back
 rders 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 Working pressure by Rules Combustion chamber plates: Material
 nsile strength Thickness: Sides Back Top Bottom
 ch of stays to ditto: Sides Back Top Are stays fitted with nuts or riveted over
 rking pressure by Rules Front 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
 rking Pressure Main stays: Material Tensile strength
 f Shipping meter {At body of stay, or Over threads No. of threads per inch Area supported by each stay
 rking pressure by Rules Screw stays: Material Tensile strength
 meter {At turned off part, or Over threads No. of threads per inch Area supported by each stay

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Working pressure by Rules Are the stays drilled at the outer ends Margin stays: Diameter { At turned off part, or Over threads

No. of threads per inch Area supported by each stay Working pressure by Rules

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

Pitch of tubes Working pressure by Rules 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 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 Working pressure by Rules Thickness of crown No. and diameter of

stays Inner radius of crown Working pressure by Rules

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 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 and

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 Working pressure as per

Rules Pressure to which the safety valves are adjusted Hydraulic test pressure

tubes forgings and castings and after assembly in place Are drain cocks or

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

The foregoing is a correct description,

Manufacturer

1m, 6, 36.

Dates of Survey { During progress of work in shops - - }
 while building { During erection on board vessel - - } 4/9, 11/11, 14/11, 1936.

Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)

Total No. of visits 3

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.)

This donkey boiler, built under special survey as per Halifax Report No. 8668, has been installed under the inspection of the Surveyors to this Society.

Feed pump for Donkey Boiler also injector are fitted.

Survey Fee £ ☒ : : } When applied for, 19

Travelling Expenses (if any) £ ☒ : : } When received, 19

Admund A. Barring.
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 11 DEC 1935

Assigned

See Memo Rph 1510



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