

REPORT ON BOILERS.

No. 15868.

Received at London Office

1 - MAR 1948

of writing Report 18th Febr. 19 48. When handed in at Local Office 27th Febr. 19 48. Port of Gothenburg.

Survey held at Gothenburg Date, First Survey 15th February 1947 Last Survey 19th February 19 48.

Book. (Number of Visits 23) Gross 11650 Tons Net 6040

789 on the Twin Screw Motorship "S T O C K H O L M"

It at Gothenburg By whom built A-B. Götaverken Yard No. 611 When built 1948

ines made at Gothenburg By whom made A-B. Götaverken Engine No. 1840-1 When made 1948

ers made at Gothenburg By whom made A-B. Lindholmens Varv Boiler No. 2761-62 When made 1946

ners A-B. Svenska Amerika Linien Port belonging to Gothenburg

VERTICAL BOILER.

de at Gothenburg By whom made A-B. Lindholmens Varv Boiler No. 2761-2762 When made 1946 Where fixed In aux. eng. room

Manufacturers of Steel Avesta Jernverks Aktiebolag, Avesta, Sweden.

total Heating Surface of Boiler 36.3 M² Is forced draught fitted No Coal or Oil fired Oil

and Description of Boilers 2 Vertical Cochran Working Pressure 100 lbs/in²

ted by hydraulic pressure to 200 lbs. per sq. inch Date of test 1st October, 1946 No. of Certificate 499 and 500

ea of fire grate in each Boiler --- No. and description of safety valves to each boiler One double spring loaded to each boiler

ea of each set of valves per boiler { per Rule 2750 mm. as fitted 3930 mm. Pressure to which they are adjusted 100 lbs/in² Are they fitted with easing gear Yes

ite whether steam from main boilers can enter the donkey boiler No main boilers Smallest distance between boiler or uptake and bunkers

woodwork --- Is oil fuel carried in the double bottom under boiler Yes Smallest distance between base of boiler and tank top plating

About 700 mm. Is the base of the boiler insulated Yes Largest internal dia. of boiler --- Height ---

ell plates: Material --- Tensile strength --- Thickness ---

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

ve all the requirements of the Rules for Class I vessels been complied with --- Description of riveting: circ. seams { end inter

g. seams --- Dia. of rivet holes in { circ. seams Pitch of rivets { Percentage of strength of circ. seams { plate rivets

longitudinal joint { plate rivets combined Thickness of butt straps { outer inner Shell Crown: Whether complete hemisphere, dished partial

herical, or flat --- Material --- Tensile strength --- Thickness ---

adius --- Description of Furnace: Plain, spherical, or dished crown --- Material ---

ensile strength --- Thickness --- External diameter { top bottom Length as per Rule ---

itch 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 ---

hickness of Ogee Ring --- Diameter as per Rule { D d

Combustion Chamber: Material --- Tensile strength --- Thickness of top plate ---

adius if dished --- Thickness of back plate --- Diameter if circular ---

length as per Rule --- Pitch of stays ---

re 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 ---

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

s each alternate tube in outer vertical rows a stay tube ---

Girders to Combustion Chamber Tops: Material --- Tensile strength ---

ppm depth and thickness of girder at centre --- Length as per Rule ---

istance 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 di...

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... **Yes**

The foregoing is a correct description,

AKTIEBOLAGET GÖTAVERKEN

Manfred Hennings

Dates of Survey while building { During progress of work in shops - - - } Is the approved plan of boiler forwarded herewith 8.3.1945. (If not state date of approval.)

{ During erection on board vessel - - - } 15th February 1947 - 19th Febr. 1948 Total No. of visits 23.

Is this Boiler a duplicate of a previous case... **No** 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 in the vessel under my inspection and to my satisfaction and the safety valves adjusted under steam to 100 lbs. per square inch.

An exhaust gas economiser of A-B. Götaverken's tubular type has been fitted. The economiser has been built under special survey of tested material and has been tested hydraulically to 14 kgs. per sq.cm. on the 9th July, 1947, and stamped:

LLOYD'S TEST 14 KG.
WP 7 KG.
TÖ 9.7.47

The safety valves have been adjusted under steam to 100 lbs. per square inch.

Survey Fee ... £ --- : --- : --- } When applied for --- 19 ---

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

Date **FRI. 9 APR 1948**

Committee's Minute *For minute see J.E. Pp. 6*

Torsten Estberg
Engineer Surveyor to Lloyd's Register of Shipping

