

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

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

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

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

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

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

VERTICAL BOILER.

Boiler made 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 Working Pressure 100 lbs/in²

Number and Description of Boilers 2 Vertical Cochran

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

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

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

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

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

Shell plates: Material Tensile strength Thickness

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

Give all the requirements of the Rules for Class I vessels been complied with

Description of riveting: circ. seams { end inter

Long. seams Dia. of rivet holes in { circ. seams Pitch of rivets Percentage of strength of circ. seams { plate rivets
 long. seams

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

Spherical, or flat Material Tensile strength Thickness

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 Dia. of tube holes FRONT 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 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

Manufac

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 approval see J.E.P.P.

Engineer Surveyor to Lloyd's Register of Shipping



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