

REPORT ON BOILERS.

No. 14989.

Received at London Office 18 OCT 1946

of writing Report 9th Oct. 1946. When handed in at Local Office 14th Oct. 1946. Port of Gethenburg.

Survey held at Gethenburg Date, First Survey 12th June Last Survey 1st October 1946.

in Book. (Number of Visits 12) Gross 11000 Tons Net

on the Twin Screw Motorship "STOCKHOLM"

at Gethenburg By whom built A-B. Götaverken Yard No. 611 When built 1947

nes made at Gethenburg By whom made A-B. Götaverken Engine No 1840-1 When made 1947

rs made at Gethenburg By whom made A-B. Lindholmens Varv Boiler No 2761-2 When made 1946

rs A-B. Svenska Amerika Linien Port belonging to Gethenburg

VERTICAL BOILER.

at Gethenburg By whom made A-B. Lindholmens Varv Boiler No. 2761-2762 When made 1946 Where fixed ---

ufacturers of Steel Avesta Jernverks A-B.

Heating Surface of Boiler 36.3 M² Is forced draught fitted --- Coal or Oil fired ---

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

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

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

of each set of valves per boiler { per Rule --- Pressure to which they are adjusted --- Are they fitted with easing gear ---
as fitted ---

whether steam from main boilers can enter the donkey boiler --- Smallest distance between boiler or uptake and bunkers ---

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

Is the base of the boiler insulated --- Largest internal dia. of boiler 1880 mm. Height 4225 mm.

plates: Material S.M. Steel Tensile strength 44-50 kg/mm² Thickness 10 mm.

r the shell plates welded or flanged No If fusion welded, state name of welding firm A-B. Lindholmens Varv

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

seams E.W. Dia. of rivet holes in { circ. seams --- Pitch of rivets --- Percentage of strength of circ. seams { plate 85 %
long. seams --- rivets ---

ongitudinal joint { plate --- Thickness of butt straps { outer --- Shell Crown: Whether complete hemisphere, dished partial
rivets 85 % inner ---

erical, or flat Partial spherical Material S.M. Steel Tensile strength 41-47 kg/mm² Thickness 10 mm.

ius 1520 mm. Description of Furnace: Plain, spherical, or dished crown Partial spherical Material S.M. Steel

ile strength 41-47 kg/mm² Thickness 18 mm. External diameter { top 1700 mm. Length as per Rule 1020 mm.
bottom 1700 mm.

support stays circumferentially --- and vertically --- Are stays fitted with nuts or riveted over ---

meter of stays over thread --- Radius of spherical or dished furnace crown 1378 mm. ex ✓

ckness of Ogee Ring 18 mm. Diameter as per Rule { D 1880 mm.
d 1700 mm.

mbustion Chamber: Material S.M. Steel Tensile strength 41-47 kg/mm² Thickness of top plate 18 mm.

lius if dished 310 mm. Thickness of back plate --- Diameter if circular 1700 mm.

egth as per Rule 830 mm. Pitch of stays 225 mm.

e stays fitted with nuts or riveted over Electrically welded Diameter of stays 40 mm.

be Plates: Material { front S.M. Steel Tensile strength { 41-47 kg/mm² Thickness { 20 mm. Mean pitch of stay tubes in nests 312 mm.
back S.M. Steel 41-47 kg/mm² 20 mm.

comprising shell, dia. as per Rule { front 1150 mm. Pitch in outer vertical rows { 356 mm. Dia. of tube holes FRONT { stay 68.26 mm. BACK { stay 63.5 mm.
back --- 356 mm. plain 65 mm. plain 63.5 mm.

each alternate tube in outer vertical rows a stay tube No

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

oth and thickness of girder at centre --- Length as per Rule ---

tance 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 S.M. Steel Tensile strength 41-47 kg/mm²

Diameter 40 mm. No. of threads per inch --- Are the stays drilled at the outer ends. No

Tubes: Material S.M. Steel External diameter { plain 63.5 mm. stay 63.5 mm. Thickness { 3.25 mm. 7 mm.

No. of threads per inch 9 Pitch of tubes 89 mm.

Manhole Compensation: Size of opening in shell plate 420 x 320 mm. Section of compensating ring 115 x 16 mm. No. of rivets and dia. ---

of rivet holes Electrically welded 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 LINDHOLMENS VARV

ÅNGPANNEAVDELNINGEN

Manufac

Dates of Survey { During progress of work in shops 12th June 1946 - 1st October 1946. Is the approved plan of boiler forwarded herewith 8.3.1945 Gøttingen (If not state date of approval.)

while building { During erection on board vessel --- Total No. of visits 12

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 built under special survey in accordance with the Rules for Welded Pressure Vessels Class I and approved plan and will be fitted in m.s. "Stockholm", Götaverken's Yard No. 611. The workmanship is good. All welded parts of the boilers have been stress-relieved in accordance with the Rules. Test sheets of the material of the boilers are attached.

Chalmers Provvningsanstalt's certificate of routine tests of welding carried out in my presence and plans showing the position and numbers of X-ray films and lists indicating the category in which each film was taken by Tekniska Röntgencentralen and four representative films are attached. Macro tests carried out at A-B. Lindholmens with satisfactory results.

The boilers have been marked:

No. 499-500
LLOYD'S TEST 200 LBS.
WP 100 LBS.
CS 1.10.46.

Survey Fee Kr. 240:00

Travelling Expenses (if any) £ ---

When applied for 14th Oct. 1946

When received --- 19---

Date

Committee's Minute

For united se & E. P. M.

PM. 9 APR 1946



Lloyd's Register
Foundation