

# REPORT ON BOILERS.

No. 4730

WED. 19 JAN. 1921

Received at London Office

Date of writing Report 19th January 1921 When handed in at Local Office 14th January 21 Port of Göteborg  
 No. in Survey held at Jönköping Date, First Survey 23rd August Last Survey 14th December 1920  
 Reg. Book. on the Solnesborgs Skeppsvärk, Yard No. 2. (Number of Visits 6) } Gross Tons }  
 Master - Built at Solnesborg By whom built Solnesborgs Skeppsvärk When built  
 Engines made at By whom made When made  
 Boilers made at Jönköping By whom made Jönköpings Mek. Verkst. A.B. When made 1920  
 Registered Horse Power Owners Port belonging to

## MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Stromnas Järnverks A.B., Segerfors

(Letter for record S) Total Heating Surface of Boilers 2605  $\square'$  Is forced draft fitted No. and Description of

Boilers Two cylindrical multitubular Working Pressure 200 lbs Tested by hydraulic pressure to 350 lbs Date of test 14/12/20

No. of Certificate 171 & 172 Can each boiler be worked separately ? Area of fire grate in each boiler ? No. and Description of

safety valves to each boiler Area of each valve Pressure to which they are adjusted

Are they fitted with casing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork Inside Mean dia. of boilers 3450 mm Length 3190 mm

Material of shell plates Steel Thickness 27 mm Range of tensile strength 28.3-29.4 tons Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams None long. seams Triple riveted Diameter of rivet holes in long. seams 27 mm Pitch of rivets 182.5 mm

Lap of plates or width of butt straps 400 mm Per centages of strength of longitudinal joint rivets 100.2 Working pressure of shell by plate 85

rules 206 lbs Size of manhole in shell 300x400 mm Size of compensating ring 4-725 mm, 27 mm No. and Description of Furnaces in each

boiler Two corrugated Material Steel Outside diameter 1000 mm Length of plain part top ? Thickness of plates 13 mm bottom ?

Description of longitudinal joint Welded No. of strengthening rings ? Working pressure of furnace by the rules 200 lbs Combustion chamber

plates: Material Steel Thickness: Sides 18.5 mm Back 19 mm Top 18.5 mm Bottom 18.5 mm Pitch of stays to ditto: Sides 90x190 mm Back 90x200 mm

Top 190x200 mm stays are fitted with nuts or riveted heads Both Working pressure by rules 240 lbs Material of stays Steel Area at

smallest part 970 mm<sup>2</sup> Area supported by each stay 360 cm<sup>2</sup> Working pressure by rules 213 lbs End plates in steam space: Material Steel Thickness 25 mm

Pitch of stays 400x400 mm How are stays secured Double nuts & riveted washers Working pressure by rules 200 lbs Material of stays Steel Area at smallest part 3850 mm<sup>2</sup>

Area supported by each stay 1600 cm<sup>2</sup> Working pressure by rules 249 lbs Material of Front plates at bottom Steel Thickness 25.5 mm Material of

Lower back plate Steel Thickness 24 mm Greatest pitch of stays As per plan Working pressure of plate by rules Diameter of tubes 3 1/4"

Pitch of tubes 15x111 mm Material of tube plates Steel Thickness: Front 25.5 mm Back 18 mm Mean pitch of stays 296 mm Pitch across wide

water spaces 360 mm Working pressures by rules 205 lbs/0" Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 2/165x20 Length as per rule 570 mm Distance apart 200 mm Number and pitch of Stays in each 2x190 mm

Working pressure by rules 269 lbs Steam dome: description of joint to shell ? % of strength of joint ?

Diameter ? Thickness of shell plates ? Material ? Description of longitudinal joint ? Diam. of rivet holes ?

Pitch of rivets ? Working pressure of shell by rules ? Crown plates ? Thickness ? How stayed ?

UPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,  
Jönköpings Mekaniska Verkstads Aktieförsäkring  
Hj. M. ... Manufacturer.

Dates of Survey During progress of 1920: Aug 23, Sept 3, 13, 16, Nov 16, Dec 14. Is the approved plan of boiler forwarded herewith Yes

while building During erection on board vessel --- Total No. of visits 6

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

These boilers have been built under special survey in accordance with the Rules and the approved plan.

The workmanship is good.

These boilers are in our opinion in a good and safe working condition at a

working pressure of 200 lbs per square inch.

Survey Fee ... £ 700:00 When applied for, 19th January 1921.

Travelling Expenses (if any) £ 92:00 When received, 13th Dec 1920

Committee's Minute FRI. 20 OCT. 1921 FRI. DEC. 8 1922

Assigned W. Paulow Adander, Engineer Surveyor to Lloyd's Register of Shipping.



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