

REPORT ON BOILERS.

No. 4327.

Received at London Office

Writing Report 12th November 1919 When handed in at Local Office 12th November 1919 Port of Göteborg MUN. V. 4. 1919Survey held at KarlstadDate, First Survey 30th August 1918 Last Survey 15th September 1919

Book.

on the Main Boilers for Aktiebolaget Öresundsvarvet No. 5

(Number of Visits 13) Gross Tons Net

Built at Landskrona By whom built Aktiebolaget Öresundsvarvet When built 1919

Welds made at

By whom made

When made

Welds made at

KarlstadBy whom made Aktiebolaget Öresundsvarvet When made 1919

Rated Horse Power

Owners

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel Årmonäs Jernverk Aktief.for record S Total Heating Surface of Boilers 3533 sq. feet Is forced draft fitted Yes No. and Description ofBoilers 2, cylindrical, multitubular Working Pressure 200 lbs Tested by hydraulic pressure to 365 lbs Date of test 15/9/19Certificates 141 & 142 Can each boiler be worked separately ✓ Area of fire grate in each boiler 41 sq. feet No. and Description ofValves to each boiler ✓ Area of each valve ✓ Pressure to which they are adjusted ✓They fitted with easing gear ✓ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓Least distance between boilers or uptakes and bunkers or woodwork ✓ Mean dia. of boilers 42.00 in Length 3380 inMaterial of shell plates Steel Thickness 32 in Range of tensile strength 18-32 tons Are the shell plates welded or flanged NoPitch of riveting: cir. seams overlapped long. seams double butt strap equal width Diameter of rivet holes in long. seams 33 in Pitch of rivets 232 inPitch of plates or width of butt straps 496 in Per centages of strength of longitudinal joint rivets 85.6 Working pressure of shell by204 lbs Size of manhole in shell compensating 400 x 300 in Size of compensating ring 1060 x 960 x 26 in No. and Description of Furnaces in each3 corrugated Material Steel Outside diameter 1050 in Length of plain part top Thickness of plates bottom 14 inDescription of longitudinal joint Welded No. of strengthening rings ✓ Working pressure of furnace by the rules 209 lbs Combustion chamberMaterial Steel Thickness: Sides 20 in Back 20 in Top 20 in Bottom 20 in Pitch of stays to ditto: Sides 200 x 230 in Back 215 x 240 inIf stays are fitted with nuts or riveted heads Riveted heads Working pressure by rules 200 lbs Material of stays Steel Area atLeast part 1190 in Area supported by each stay 716 in Working pressure by rules 207 lbs End plates in steam space: Material Steel Thickness 27 inof stays 470 x 440 in How are stays secured Riveted washers Working pressure by rules 200 lbs Material of stays Steel Area at smallest part 4657 insupported by each stay 268 in Working pressure by rules 234 lbs Material of Front plates at bottom Steel Thickness 22 in Material ofback plate Steel Thickness 20 in Greatest pitch of stays 215 x 240 in Working pressure of plate by rules 200 lbs Diameter of tubes 83 inof tubes 114 in Material of tube plates Steel Thickness: Front 26 in Back 20 in Mean pitch of stays 228 in Pitch across widespaces 375 in Working pressures by rules 200 lbs Girders to Chamber tops: Material Steel Depth and thickness ofat centre 230 x 36 in Length as per rule 600 in Distance apart 230 in Number and pitch of Stays in each two, 200 inWorking pressure by rules 363 lbs Steam dome: description of joint to shell ✓ % of strength of joint ✓Thickness of shell plates ✓ Material ✓ Description of longitudinal joint ✓ Diam. of rivet holes ✓Working pressure of shell by rules ✓ Crown plates ✓ Thickness ✓ How stayed ✓SUPERHEATER. Type ✓ Date of Approval of Plan ✓ Tested by Hydraulic Pressure to ✓Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler ✓Pressure to which each is adjusted ✓ Is Easing Gear fitted ✓

The foregoing is a correct description,

AKTIEBOLAGET KARLSTADS MEKANISKA VERKSTAD

Y. Dolle

Manufacturer.

During progress of work in shops - - - 30th 28th 27th 26th 25th 24th 23rd 22nd 21st 20th 19th 18th 17th 16th 15th 14th 13th 12th 11th 10th 9th 8th 7th 6th 5th 4th 3rd 2nd 1st Is the approved plan of boiler forwarded herewith YesDuring erection on board vessel - - - Total No. of visits 13

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

These boilers have been built

for special survey in accordance with the Rules and the

approved plans. 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 £ Nrs. 360.00 When applied for 12th November 1919.Selling Expenses (if any) £ Nrs. 397.20 When received, 191.

Committee's Minute

FRI. NOV. 26 1920

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register

Foundation

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