

REPORT ON BOILERS.

No. 6892

Received at London Office

27 AUG 1927

Writing Report 23rd Aug 1927 When handed in at Local Office 23rd Aug 1927 Port of Gothenburg
 in Survey held at Gothenburg Date, First Survey 11th April Last Survey 16th April 1927
 Book. on the Steel ETNA (Number of Visits 6) Gross 2619 Tons Net 1536
 Built at Fredrikstad By whom built Fredrikstads Mek. Verks When built 1918
 Made at Berlin-Tegel By whom made A. Borsig & Co. H. When made 1927
 Made at Fredrikstad By whom made Fredrikstads Mek. Verks When made 1917
 Rated Horse Power Owners A. B. Transmarin (Benhard Torgelin) Port belonging to Helsingborg

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

For record ☒ Total Heating Surface of Boilers 2248 Is forced draft fitted Yes No. and Description of
Two cylindrical multitubular Working Pressure 913 lbs Tested by hydraulic pressure to 440 lbs Date of test See below
 Certificate ☒ Can each boiler be worked separately Yes Area of fire grate in each boiler 98 No. and Description of
 valves to each boiler Two springloaded Area of each valve 8.8 Pressure to which they are adjusted 220 lbs
 they fitted with easing gear Yes 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 12" Inside Mean dia. of boilers 3350 Length 3358
 Material of shell plates Steel Thickness 28 Range of tensile strength — Are the shell plates welded or flanged No
 Riveting: cir. seams Double riveted long. seams Double butt straps Diameter of rivet holes in long. seams 32 Pitch of rivets 229
 plates or width of butt straps 468 Per centages of strength of longitudinal joint rivets 93 plate 86 Working pressure of shell by
993 lbs Size of manhole in shell 300x400 Size of compensating ring 230x28 No. and Description of Furnaces in each
Two, Horizontal Material Steel Outside diameter 1030 Length of plain part — Thickness of plates 15
 Description of longitudinal joint Welded No. of strengthening rings — Working pressure of furnace by the rules 233 lbs Combustion chamber
 Material Steel Thickness: Sides 18.5 Back 18.5 Top 17 Bottom 18.5 Pitch of stays to ditto: Sides 170x230 Back 190x260
900x230 If stays are fitted with nuts or riveted heads Double riveted Working pressure by rules 214 lbs Material of stays Steel Area at
 least part 173 Area supported by each stay 60.5 Working pressure by rules 228 lbs End plates in steam space: Material Steel Thickness 27
 of stays 412x380 How are stays secured Double nuts Working pressure by rules 290 lbs Material of stays Steel Area at smallest part 5.56
 supported by each stay 242 Working pressure by rules 238 lbs Material of Front plates at bottom Steel Thickness 27 Material of
 back plate Steel Thickness 27 Greatest pitch of stays 370x290 Working pressure of plate by rules 315 Diameter of tubes 3 1/2
 of tubes 115 Material of tube plates Steel Thickness: Front 27 Back 22.5 Mean pitch of stays 265 Pitch across wide
 spaces 340 Working pressures by rules 294 Girders to Chamber tops: Material Steel Depth and thickness of
 at centre 216x36 Length as per rule 795 Distance apart 200 Number and pitch of Stays in each Two - 230
 Working pressure by rules 263 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 Schmidt Date of Approval of Plan — Tested by Hydraulic Pressure to 50 kg/cm²
 of Test 31/5/27 & 4/6/27 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler Yes
 Diameter of Safety Valve 35 Pressure to which each is adjusted 220 lbs Is Easing Gear fitted Yes

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith Approved 23/5/27

Total No. of visits 6

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.) The scantlings and arrangementof the boilers have been verified as stated above. See also approved plan.A certificate of the superheater is attached herewith.The boilers found marked:

Port boiler.
 KJEDEL N^o 962
 PROVED 440 LBS.
 19.10.17
 F.H.

Starboard boiler.
 KJEDEL N^o 961
 PROVED 440 LBS
 28.2.17
 A.H.

Survey Fee £ : — When applied for, 19
 Travelling Expenses (if any) £ : — When received, 19

Committee's Minute

FRI. 16 SEP 1927

FRI. 22 AUG 1930

FRI. 8 MAY 1931

Lloyd's Register
Foundation