

REPORT ON BOILERS.

No. 11771
SAT. 21 MAY 1927

Received at London Office

Date of writing Report 14 Aug 1921 When handed in at Local Office 19 Port of Rotterdam
 No. in Survey held at Dordrecht Date, First Survey 8th of Nov 1920 Last Survey 12 April 1921
 Reg. Book. on the Boortus n^o 829 (Number of Visits 5) } Gross
 Master Intensius for elbeus Kolden & Bulten } Tons
 Built at Delfzijl By whom built Delfzijl When built
 Engines made at _____ By whom made _____ When made _____
 Boilers made at Dordrecht By whom made Machfab. De Biesbosch When made 1921
 Registered Horse Power _____ Owners _____ Port belonging to _____

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

(Letter for record S) Total Heating Surface of Boilers 2140 sq ft Is forced draft fitted — No. and Description of Boilers two single ended marine Working Pressure 192 lbs Tested by hydraulic pressure to 333 Date of test 12.4.21
 No. of Certificate 735 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 easing 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 — Mean dia. of boilers 10' Length 10'6"
 Material of shell plates Steel Thickness 1 1/16" Range of tensile strength 28-32 tons Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams lap 2 x riv long. seams double butt 3 x riv Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 4 3/8"
 Lap of plates or width of butt straps 16 1/8" Per centages of strength of longitudinal joint rivets 95% Working pressure of shell by rules 205 lbs Size of manhole in shell 12 x 16" Size of compensating ring 12 3/8 x 1 1/8" plate 86%
 boiler 2 Moursens Material Steel Outside diameter 39 3/8" Length of plain part — Thickness of plates crown 1 1/16" bottom 1 1/16"
 Description of longitudinal joint Welded No. of strengthening rings — Working pressure of furnace by the rules 218 lbs Combustion chamber plates: Material Steel Thickness: Sides 1 1/16" Back 1 1/16" Top 2 1/16" Bottom 1 1/16" Pitch of stays to ditto: Sides 8 5/8 x 6 1/4" Back 7 1/2 x 7"
 Top 7 1/2 x 8 5/8" stays are fitted with nuts or riveted heads riveted heads Working pressure by rules 210 lbs Material of stays Steel Area at smallest part 2.07 sq ft Area supported by each stay 56 sq ft Working pressure by rules 298 lbs End plates in steam space: Material Steel Thickness 1 1/16"
 Pitch of stays 15 3/8" How are stays secured Nuts & Washers Working pressure by rules 213 lbs Material of stays Steel Area at smallest part 3.97 sq ft
 Area supported by each stay 179 sq ft Working pressure by rules 284 lbs Material of Front plates at bottom Steel Thickness 1 1/16" Material of Lower back plate Steel Thickness 1 1/16" Greatest pitch of stays 15 3/8 x 7 1/8" Working pressure of plate by rules 340 lbs Diameter of tubes 5"
 Pitch of tubes 3 5/16 x 4 1/16" Material of tube plates Steel Thickness: Front 1 1/16" Back 3/4" Mean pitch of stays 8 x 12 1/16" Pitch across wide water spaces 13 3/4" Working pressures by rules 246 lbs Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 6 3/8 x 2 x 1/4" Length as per rule 27" Distance apart 4 1/2" Number and pitch of Stays in each 2 at 8 5/8"
 Working pressure by rules 206 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 —

SUPERHEATER. 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,
 N.V. Machinefabriek „DE BIESBOSCH“ Wijman Manufacturer.
 de Directie

Dates of Survey Nov 8-15. 1920 Feb 1. April 7-12 1921 Is the approved plan of boiler forwarded herewith Retained in London office
 while building — Total No. of visits 5

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been constructed in accordance with the Rules, material tested as required and workmanship good. (A copy of this report has been sent to Amsterdam Surveyors).

Survey Fee ... 171.60 When applied for, 19/5 1921 TUES. 5 JUL 1927
 Travelling Expenses (if any) 13.00 When received, 21/6 1921
 Committee's Minute FRI. 23 FEB. 1923
 Assigned FRI. 2 JAN 1925
W1298-0143 FRI. 1 JUN. 1923
TUES. 22 JUN 1926
 Lloyd's Register Foundation