

REPORT ON BOILERS.

No. 11771
SAT. 21 MAY 1921

Received at London Office

Date of writing Report 14 May 1921 When handed in at Local Office

19 Port of Rotterdam

No. in Survey held at Dordrecht

Date, First Survey 8 Feb 1920 Last Survey 12 April 1921

Reg. Book.

(Number of Visits 5) Gross Tons Net

on the Borkus v. 829

Master

Built at

By whom built

When built

Engines made at

By whom made

When made

Boilers made at Dordrecht

By whom made Mach. fabri. 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 ft² 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 15/16" 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% plate 86% Working pressure of shell by

rules 20.5 lbs Size of manhole in shell 12 x 16" Size of compensating ring 12 3/8 x 1/8" No. and Description of Furnaces in each

boiler 2 Moursons Material Steel Outside diameter 39 3/8" Length of plain part top — bottom — Thickness of plates crown 1 1/2" bottom 1 3/4"

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 1/32" Bottom 1 1/16" Pitch of stays to ditto: Sides 8 5/8 x 6 1/4" Back 7 5/8 x 7"

Top 7 1/2 x 8 5/8" If stays are fitted with nuts or riveted heads riveted heads not fitted in main Working pressure by rules 218 lbs Material of stays Steel Area at

smallest part 2.07 ft² Area supported by each stay 56 ft² Working pressure by rules 298 lbs End plates in steam space: Material Steel Thickness 1 1/16"Pitch of stays 15 5/8" How are stays secured Nuts & Washers Working pressure by rules 213 lbs Material of stays Steel Area at smallest part 3.97 ft²Area supported by each stay 179 ft² 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 3/4 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,

H.V. Machinefabriek „DE BIESBOSCH“ Manufacturer.
de Directie

Dates of Survey During progress of work in shops — Nov 8-15. 1920 Feb 1. April 7-12 1921 Is the approved plan of boiler forwarded herewith Retained in

while building During erection on board vessel — — — — — 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, 17/5 1921

Travelling Expenses (if any) 13.00 When received, 21/6 1921

TUES. 5 JUL 1927

Committee's Minute

FRI. 23 FEB. 1923

Assigned

FRI. 2 JAN 1925

FRI. 1 JUN. 1923

Engine Surveyed to Lloyd's Register of Shipping.

TUES. 21 FEB 28

FRI. 17 SEP 1920

TUES. 7 APR 1925

TUES. 22 JUN 1920

Lloyd's Register
Foundation

W1298-0143