

REPORT ON BOILERS.

No. 11520

THU. DEC. 2 1920

Date of writing Report 26/11 1920 When handed in at Local Office

Port of Rotterdam

No. in Survey held at Tilburg Date, First Survey 30 June 1919 Last Survey 12 Oct 1920

Reg. Book. on the Bk. No. 546 Steamtrawler Condor. (Number of Visits 10) Gross Tons Net Tons

Master Built at Woubrugge By whom built Ned. de Dageraad When built 1920

Engines made at Ymuiden By whom made M. J. Ebera When made 1920

Boilers made at Tilburg By whom made Maars. Gub. Deprez. When made 1920

Registered Horse Power Owners M. J. Heron Port belonging to Ymuiden

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Mannesmann-Röhren-Werke

(Letter for record S.) Total Heating Surface of Boilers 970 sq. ft. Is forced draft fitted No. No. and Description of

Boilers One horizontal main Bk. Working Pressure 100 lbs. Tested by hydraulic pressure to 260 lbs. Date of test 12 Oct 1920

No. of Certificate 292 Can each boiler be worked separately Area of fire grate in each boiler 360' No. and Description of

safety valves to each boiler two spring loaded area of each valve 4.90" Pressure to which they are adjusted 180 lbs

Are they fitted with easing gear Yes 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 10" Mean dia. of boilers 10'3" Length 10'

Material of shell plates Steel Thickness 1" Range of tensile strength 29/32 tons Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams lap. db. riv. long. seams db. butt. trebl Diameter of rivet holes in long. seams 1/16" Pitch of rivets 7 3/16"

Lap of plates or width of butt straps 17 1/2" x 11 1/16" Per centages of strength of longitudinal joint rivets 85% Working pressure of shell by

rules 206 lbs. Size of manhole in shell 12 5/8" x 16 1/4" Size of compensating ring 3 1/4" x 1/4" No. and Description of Furnaces in each

boiler 2. Morrisons Material Steel Outside diameter 3'3 3/8" Length of plain part Thickness of plates crown 1 1/4" bottom 1 3/8"

Description of longitudinal joint Welded. No. of strengthening rings Working pressure of furnace by the rules 207 lbs Combustion chamber

plates: Material steel Thickness: Sides 1/16" Back 5/16" Top 1/16" Bottom 3/32" Pitch of stays to ditto: Sides 7/8" x 9" Back 7/8" x 7 1/8"

Top 7/8" x 7 1/8" stays are fitted with nuts or riveted heads nuts. Working pressure by rules 212 lbs Material of stays Steel Area at

smallest part 2.070" Area supported by each stay 54" Working pressure by rules 214 End plates in steam space: Material steel Thickness 1 3/8"

Pitch of stays 15 3/8" x 12 1/8" How are stays secured nuts, rivets, washers. Working pressure by rules 202 Material of stays steel Area at smallest part 54"

Area supported by each stay 1900" Working pressure by rules 295 lbs Material of Front plates at bottom steel Thickness 2 1/8" Material of

Lower back plate steel Thickness 2 1/8" x 5/8" Greatest pitch of stays 13 5/8" Working pressure of plate by rules 560 lbs Diameter of tubes 3 1/4"

Pitch of tubes 4 1/8" x 4 1/8" Material of tube plates Steel Thickness: Front 2 1/8" x 5/8" db. Back 2 5/8" Mean pitch of stays 8 1/4" x 8 1/4" Pitch across wide

water spaces 13 9/16" Working pressures by rules 255 lbs Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 7 1/4" x 2 x 3/4" Length as per rule 27 1/4" Distance apart 9 9/16" Number and pitch of Stays in each 2 x 7 1/8"

Working pressure by rules approved Steam dome: description of joint to shell riveted % of strength of joint welded

Diameter 25 1/8" Thickness of shell plates 5/8" Material steel Description of longitudinal joint welded Diam. of rivet holes

Pitch of rivets Working pressure of shell by rules approved Crown plates approved Thickness 1 1/8" How stayed 2 long stays.

SUPERHEATER. Type Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

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, Manufacturer.

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Survey Fee ... £ 39.00: When applied for, 20/11 1920

Travelling Expenses (if any) £ 30.50: When received, 24/11 1920

TUE. MAY. 10 1921

P. N. Bernorshi

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned



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