

## REPORT ON BOILERS.

No. 6264.

Received at London Office SAT. OCT. 17. 1914

Date of writing Report 1 Oct 1914 When handed in at Local Office 1914

Port of Amsterdam

No. in Survey held at  
Reg. Book.

Amsterdam

Date, First Survey, 28 May 1912 Last Survey 1 October 1914

on the

Donkey Boiler for the Royal Dutch West India Mail  
SS "Prins der Nederlanden"

(Number of Visits, 19)

Gross

Tons

Net

Master

Built at

By whom built

When built

Engines made at

By whom made

When made

Boilers made at

By whom made

When made

Registered Horse Power

Owners

Royal Dutch West India Mail

Port belonging to

Amsterdam

## MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Rand Colville &amp; Sons.

(Letter for record S) Total Heating Surface of Boilers 580 sq ft Is forced draft fitted no No. and Description of

Boilers Single ended Working Pressure 100 lbs Tested by hydraulic pressure to 200 lbs Date of test 6 Oct 1914

No. of Certificate 197 Can each boiler be worked separately Area of fire grate in each boiler 21.5 sq ft No. and Description of

safety valves to each boiler Area of each valve Pressure to which they are adjusted 200 lbs.

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 9' 3" Length 8' 0"

Material of shell plates SWS Thickness 5/8" Range of tensile strength 20 tons Are the shell plates welded or flanged flanged

Descrip. of riveting: cir. seams double long. seams double Diameter of rivet holes in long. seams 13/16" Pitch of rivets 4 5/16"

Lap of plates or width of butt straps 13 5/8" Per centages of strength of longitudinal joint rivets 81% plate 87% Working pressure of shell by

rules 130 lbs Size of manhole in shell 12" x 16" Size of compensating ring No. and Description of Furnaces in each

boiler 2 plain Material SWS Outside diameter 33 1/8" Length of plain part top 57" Thickness of plates crown 9 1/16" bottom 9 1/16"

Description of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 164 lbs Combustion chamber

plates: Material SWS Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 9/16" Pitch of stays to ditto: Sides 6 3/4" x 9 7/8" Back 9 1/16" x 9 7/8"

Top 6 3/4" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 130 lbs Material of stays SWS Diameter at

smallest part 1 3/8" Area supported by each stay 85.6 sq in Working pressure by rules 130 lbs End plates in steam space: Material SWS Thickness 1 3/16"

Pitch of stays 13 3/8" x 17 1/4" How are stays secured screwed Working pressure by rules 164 lbs Material of stays SWS Diameter at smallest part 2 1/2"

Area supported by each stay 273 sq in Working pressure by rules 164 lbs Material of Front plates at bottom SWS Thickness 1 3/16" Material of

Lower back plate SWS Thickness 1 3/16" Greatest pitch of stays 15 1/16" Working pressure of plate by rules 204 lbs Diameter of tubes 3 1/4"

Pitch of tubes 4 5/16" Material of tube plates 13/16" Thickness: Front 13/16" Back 3/4" Mean pitch of stays 12 15/16" Pitch across wide

water spaces 15" Working pressures by rules front = 141 lbs back = 120 lbs Girders to Chamber tops: Material SWS Depth and thickness of

girder at centre 7 1/16" x 1 3/8" Length as per rule 21" Distance apart 9" Number and pitch of Stays in each one = 8 1/4"

Working pressure by rules 204 lbs Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked

separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,

AMSTERDE BROGDOK

Manufacturer.

Dates of Survey During progress of 28 May 1912, 31 July, Aug 7, 14, 15, 21, Sept 20, 6 Oct 1914 the approved plan of boiler forwarded herewith yes.

work in shops - - - Nov 27, Dec 27, 1913 = Jan 28, May 15, July 1, 6 Oct 17, 1914 = May 20

while erection on June 5, July 27, 6 Oct 1.

board vessel - - -

Total No. of visits 19

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

This donkey boiler have been made according the Society's rules and approved plan, material & workmanship throughout good, material duly tested as per rules, boiler tested to a hydraulic pressure of 200 lbs found sound & light and no settling whatever.

Survey Fee ... £ 25.20 : When applied for, October 1914.

Travelling Expenses (if any) £ 3.10 : When received, October 1914.

FRI. NOV. 13. 1914

FRI. JUL. 9 - 1915

Committee's Minute

Assigned

TUE. MAR. 16. 1915

Lloyd's Register  
Foundation

W565-0244