

Rpt. 5a.

Continuation in REPORT ON BOILERS.

No. 6655

MUN. 6 JUN 1910

Date of writing Report

19

When handed in at Local Office

19

Port of Rotterdam

Safety

No. in Survey held at

Rotterdam

Date, First Survey

Last Survey

19

Reg. Book.

S.S. Moordrecht

(Number of Visits)

Gross

Tons

Net

on the

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

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Schulz Knaudt - Grodinger

(Letter for record 5) Total Heating Surface of Boilers 404.59 ft² Is forced draft fitted no

Boilers One single ended Marine Working Pressure 100 lb. Tested by hydraulic pressure to 171 lb. Date of test 9/3/10

No. of Certificate 278 Can each boiler be worked separately ✓ Area of fire grate in each boiler 12 ft² No. and Description ofsafety valves to each boiler 2 Spring loaded Area of each valve 7.07 ft² Pressure to which they are adjusted 100 lb

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no

Smallest distance between boilers or uptakes and bunkers or woodwork about 12" Mean dia. of boilers 7'-6 8/16" Length 7'-6"

Material of shell plates steel Thickness 1/2" ✓ Range of tensile strength 28-32 T Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams lap. sgl. long. seams dbl butt, dbl r. Diameter of rivet holes in long. seams 3/4" Pitch of rivets 3 5/16"

Lap of plates or width of butt straps 7 3/4" Per centages of strength of longitudinal joint rivets 79. plate 77.3 Working pressure of shell by

rules 112 lb Size of manhole in shell 12" x 16" Size of compensating ring 5" x 5 1/8" No. and Description of Furnaces in each

boiler One plain ✓ Material steel ✓ Outside diameter 34 7/8" Length of plain part top 4'-2" Thickness of plates crown 4'-2" bottom 4'-2" } 7'-6"

Description of longitudinal joint welded No. of strengthening rings ✓ Working pressure of furnace by the rules 118 lb Combustion chamber

plates: Material steel Thickness: Sides 17/32" Back 9/16" Top 17/32" Bottom 17/32" Pitch of stays to ditto: Sides 7 1/2" Back 8 3/4" x 9"

Top 7 1/2" If stays are fitted with nuts or riveted heads riveted ✓ Working pressure by rules 102 lb Material of stays steel Area

smallest part 989 ft² Area supported by each stay 78.78 Working pressure by rules 100 End plates in steam space: Material steel Thickness 1 1/16"

Pitch of stays 15" ✓ How are stays secured riv. w. w. Working pressure by rules 118 Material of stays steel Diameter at smallest part 2.59

Area supported by each stay 225 Working pressure by rules 119 Material of Front plates at bottom steel Thickness 1 3/16" Material of

Lower back plate steel Thickness 1 1/16" Greatest pitch of stays ✓ Working pressure of plate by rules ✓ Diameter of tubes 3"

Pitch of tubes 4 1/16" Material of tube plates steel Thickness: Front 13/16" Back 5/8" Mean pitch of stays 8 1/2" Pitch across wide

water spaces 14 3/4" Working pressures by rules 159 lb Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 7" Length as per rule 21" Distance apart 7 1/2" Number and pitch of Stays in each one - 8" ✓

Working pressure by rules 121 lb 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 ✓

Thickness of safety valve adjusting washers 11 1/2 in. each.

The foregoing is a correct description,

M. J. D. van Ollefen DE DIRECTEUR Manufacturer.

Dates of Survey
During progress of work in shops - -
while building During erection on board vessel - -

see Rpt

A.

Is the approved plan of boiler forwarded herewith

Total No. of visits

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

Donkey boiler fitted in stokehold.

Survey Fee ...

£ see Rpt

When applied for.

19

Travelling Expenses (if any) £

When received.

19

M. J. D. van Ollefen

T. H. Bernhart

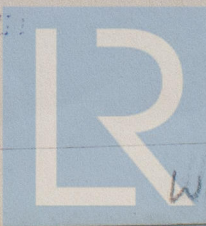
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUES. 7 JUN 1910

Assigned

see minute on attached rpt Rot 6655



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