

REPORT ON BOILERS.

No. 10166^d

11 FEB 1929

Received at London Office

Date of writing Report 29-1-1929 When handed in at Local Office 19 Port of Rotterdam

No. in Survey held at Flushing Date, First Survey 13/2 20 Last Survey 14/11 20 1928
Reg. Book Flushing (Number of Visits 11) Gross
on the Steel screw M.V. KOTA BAROE Tons Net

Built at Flushing By whom built Hon My. De Schelde Yard No. 185 When built 1929
Engines made at Flushing By whom made Hon My. De Schelde Engine No. 389 When made 1929
Boilers made at Flushing By whom made Hon My. De Schelde Boiler No. 995 When made 1929
Owners Mems. Rotterdamse Lloyd Port belonging to Rotterdam

VERTICAL DONKEY BOILER.

Made at Flushing By whom made Hon My. De Schelde Boiler No. 995 When made 1928 Where fixed Engine Room

Manufacturers of Steel David Colville & Son.

Total Heating Surface of Boiler 600 sq ft Is forced draught fitted Yes Coal or Oil fired Oil

No. and Description of Boilers One Cochran boiler Working pressure 95 lbs

Tested by hydraulic pressure to 190 lbs Date of test 27-9-28 No. of Certificate 894

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler 2 Spring loaded

Area of each set of valves per boiler Pressure to which they are adjusted 95 lbs Are they fitted with easing gear Yes

State whether steam from main boilers can enter the donkey boiler Smallest distance between boiler or uptake and bunkers or woodwork

Is oil fuel carried in the double bottom under boiler Smallest distance between base of boiler and tank top plating

Is the base of the boiler insulated Largest internal dia. of boiler 4'-0" Height 17'-3"

Shell plates: Material S.M. Steel Tensile strength 26-32 tons Thickness 19/32"

Are the shell plates welded or flanged No Description of riveting: circ. seams 2 x rw lap long. seams 2 x rw lap

Dia. of rivet holes in Pitch of rivets 3" Percentage of strength of circ. seams 66% of Longitudinal joint 62%

Working pressure of shell by rules 124 lbs Thickness of butt straps

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat dished partial spherical Material S.M. Steel

Tensile strength 26-30 tons Thickness 3/4" Radius 6'-0" Working pressure by rules 121 lbs

Description of Furnace: Plain, spherical, or dished crown Spherical Material S.M. Steel Tensile strength 26-30 tons

Thickness 5/8" External diameter Length as per rule Working pressure by rules

Pitch of support stays circumferentially and vertically Are stays fitted with nuts or riveted over

Diameter of stays over thread Radius of spherical or dished furnace crown 3' Working pressure by rule 145 lbs

Thickness of Ogee Ring 27/32" Diameter as per rule 4'-0" Working pressure by rule 144 lbs

Combustion Chamber: Material S.M. Steel Tensile strength 26-30 tons Thickness of top plate 27/32"

Radius if dished Working pressure by rule Thickness of back plate Diameter if circular

Length as per rule Pitch of stays Are stays fitted with nuts or riveted over

Diameter of stays over thread Working pressure of back plate by rules

Tube Plates: Material S.M. Steel Tensile strength 26-30 tons Thickness 17/32" Mean pitch of stay tubes in nests 1 1/4" x 8"

If comprising shell, Dia. as per rule Pitch in outer vertical rows 8" Dia. of tube holes FRONT 2 3/4" BACK 2 1/2"

Is each alternate tube in outer vertical rows a stay tube Yes Working pressure by rules 310 lbs

Girders to combustion chamber tops: Material Tensile strength

Depth and thickness of girder at centre Length as per rule

Distance apart No. and pitch of stays in each Working pressure by rule

See Sec letter 11-5-28.



Crown stays: Material Tensile strength Diameter { at body of stay, or over threads,

No. of threads per inch Area supported by each stay Working pressure by rules

Screw stays: Material Tensile strength Diameter { at turned off part, or over threads, No. of threads per inch

Area supported by each stay Working pressure by rules Are the stays drilled at the outer ends

Tubes: Material Iron External diameter { plain 2 1/2" stay 2 1/2" Thickness { N° 10 W.G. 5/16"

No. of threads per inch 10 Pitch of tubes 3 3/4 x 4" Working pressure by rules 175 lbs

Manhole Compensation: Size of opening in shell plate 16 x 12" Section of compensating ring 32 x 28" No. of rivets and diameter of rivet holes 40 or 1" Outer row rivet pitch at ends 4" Depth of flange if manhole flanged 2 1/2"

Uptake: External diameter Thickness of uptake plate

Cross Tubes: No. External diameters { Thickness of plates

Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with _____.

The foregoing is a correct description,
 KON. MY. "DE SCHELDE".
H. P. Messelley Manufacturer.

Flushing, 6th February 1929.

Dates of Survey while building	During progress of work in shops - -	<u>23/2</u>	<u>28/3</u>	<u>12/4</u>	<u>16/5</u>	<u>6/6</u>	<u>27/7</u>	<u>24/8</u>	<u>17-27/9</u>	Is the approved plan of boiler forwarded herewith <u>Retained</u> (If not state date of approval.)
	During erection on board vessel - -	<u>25/10</u>	<u>12/11</u>	<u>29</u>	<u>20</u>					Total No. of visits <u>11</u>

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey, in accordance with the approved plan Society's Rules and Secretary's letters, material tested as required and workmanship good

Survey Fee £ 50.00 } When applied for, 4/2 1929
 Travelling Expenses (if any) £ : : } When received, 13/2 1929

H. H. Dehaan
 Engineer/Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 15 FEB 1929
 Assigned See 2/3 rpt. attached

