

REPORT ON BOILERS.

No. 806

Received at London Office

THU. NOV. 18 1920

Date of writing Report 14th Nov. 1920 When handed in at Local Office 19 Port of Stettin
No. in Survey held at Stettin Date, First Survey 13th May Last Survey 10th November 1920
Reg. Book. on the Boilers Nos. 3145 & 3146 for s.s. YARD No 212. (Number of Visits 8) Gross Tons }
Master being Built at Vlaardingen By whom built H. V. Gebr. van der Windt When built
Engines made at By whom made When made
Boilers made at Stettin By whom made Vulkanwerke When made 1920
Registered Horse Power Owners H. V. Handelsges. "Navis" Port belonging to Goonningen.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Works: A. Romig, Rönneburg, Oberhausen.

(Letter for record 5) Total Heating Surface of Boilers 2150 m² Is forced draft fitted No. and Description of
Boilers 2 cylindrical multitubular Working Pressure 13.5 kg Tested by hydraulic pressure to 24.3 kg Date of test 10/11/20
of Certificate 95, 96 Can each boiler be worked separately Area of fire grate in each boiler 3.06 m² 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 3052 mm Length 3200 mm
Material of shell plates 1 m. steel Thickness 24 mm Range of tensile strength 45.52 kg Are the shell plates welded or flanged No
Descrip. of riveting: cir. seams double long. seams treble Diameter of rivet holes in long. seams 22 mm Pitch of rivets 189 mm
Pitch of plates or width of butt straps 416 mm Per centages of strength of longitudinal joint rivets 95 Working pressure of shell by
rules 14.4 kg Size of manhole in shell 300 x 400 mm Size of compensating ring 1030 x 780 mm No. and Description of Furnaces in each
Boiler 2 Morrison Material steel Outside diameter 1000 mm Length of plain part top Thickness of plates crown 15 mm
Description of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 15.4 kg Combustion chamber
Material steel Thickness: Sides 17.5 mm Back 12.0 mm Top 16.5 mm Bottom 12.5 mm Pitch of stays to ditto: Sides 230 x 172 Back 200 x 178
Pitch 190 x 220 If stays are fitted with nuts or riveted heads both Working pressure by rules 15.4 kg Material of stays steel Area at
smallest part 1340 Area supported by each stay 5560 Working pressure by rules 21 kg End plates in steam space: Material steel Thickness 21 mm
Pitch of stays 340 x 340 How are stays secured riveted Working pressure by rules 15 kg Material of stays steel Area at smallest part 31670
Area supported by each stay 15600 Working pressure by rules 20 kg Material of Front plates at bottom steel Thickness 21 mm Material of
lower back plate steel Thickness 21 mm Greatest pitch of stays 350 x 200 Working pressure of plate by rules 23.34 kg Diameter of tubes 76 mm
Pitch of tubes 100 x 103 Material of tube plates steel Thickness: Front 21 mm Back 19 mm Mean pitch of stays 200 x 309 Pitch across wide
inter spaces 350 mm Working pressures by rules 17.2 Girders to Chamber tops: Material steel Depth and thickness of
girder at centre 175 x 2 x 19 Length as per rule 684 mm Distance apart 190 mm Number and pitch of Stays in each 2 - 190 mm
Working pressure by rules 14.5 kg 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

VULCAN-WERKE
The foregoing is a correct description,
Stettiner Niederlassung Manufacturer.

Dates During progress of 1920: May 13, June 12, July 17, Aug 19, Sep 20
Survey while building During erection on board vessel
Is the approved plan of boiler forwarded herewith
Total No. of visits 8

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
These boilers have been manufactured under Special Survey,
the materials used in the construction have been made at works
approved off by the Committee and tested by the Society's Surveyors
see continuation.

Survey Fee £ 7 : 4 : When applied for 13th May 1920
Travelling Expenses (if any) £ 5 : 6 : When received 10th Nov. 1920

Committee's Minute FRI. 20001. 1920
Assigned

G. H. C. Kalm.
Engineer Surveyor to Lloyd's Register of Shipping.

Stettin

Continuation of Report No. 806 dated 14th Nov. 1920 on the

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Boilers No. 3145, 3146 for S.S. YARD No 215building at H. V. Gebr. van der Windt, Vlaardingen.

as required by the Rules and by the Secretary's letter dated E 27/2/20.
(two certificates of test attached) The workmanship is satisfactory.

It is submitted that these Boilers be eligible to be approved
for the intended working pressure of 13.5 kilograms per square
centimetre subject to the mountings as required by the Rules
being fitted, the boilers being tested under steam and their
safety valves being adjusted.

A copy of this Report has been forwarded to the
Rotterdam Surveyors.

G. H. C. Kamp.