

# REPORT ON WATER TUBE BOILERS.

No. 2130.

JUN 19 1939

Received at London Office

Date of writing Report 16<sup>th</sup> June 1939 When handed in at Local Office 19 Port of BREMEN

No. in Survey held at BREMEN Date, First Survey 16. 12. 38 Last Survey 7<sup>th</sup> June 1939  
 Reg. Bk. 88670 on the Single Screw m.v. JAVA (Number of Visits 7) Tons { Gross 9250  
 Net 5646  
 Master Built at BREMEN By whom built DESCHIMAG A. G. WESER When built 1939  
 Engines made at BREMEN By whom made DESCHIMAG A. G. WESER When made 1939  
 Boilers made at VEGESACK By whom made BREMER VULKAN When made 1939  
 Registered Horse Power Owners STOOMVAART MAATSCHAPPY "NEDERLAND" Port belonging to AMSTERDAM

## WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Mannesmann Röhrenwerke & Remscheid

(Letter for Record 5) Date of Approval of plan 27. 1. 39 Number and Description or Type

of Boilers two LA MONT type Water tube Boilers Working Pressure 6 kg/cm<sup>2</sup> Tested by Hydraulic Pressure to 12 kg/cm<sup>2</sup> Date of Test 28. 2. 39No. of Certificate 212 & 213 Can each boiler be worked separately <sup>yes, in conjunction</sup> Total Heating Surface of Boilers 2 x 93 m<sup>2</sup>

Is forced draught fitted — Area of fire grate (coal) in each Boiler EXHAUST GAS HEATED Total grate area of boilers in vessel including

Main and Auxiliary — No. and type of burners (oil) in each boiler — No. and description of safety valves on

each boiler <sup>one spring loaded safety valve in exhaust system</sup> Area of each valve 403 dia. 1256 mm<sup>2</sup> Pressure to which they are adjusted 6 kg/cm<sup>2</sup>

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 — Height of Boiler 2850 Z Width and Length 1570 Z

Steam Drums:—Number in each boiler — Inside diameter — Material of plates — Thickness —

Range of Tensile Strength — Are drum shell plates welded or flanged — Description of riveting:—

Cir. seams long. seams Diameter of rivet holes in long. seams Pitch of Rivets

Lap of plate or width of butt straps Thickness of straps Percentage strength of long. joint:—Plate Rivet

Diameter of tube holes in drum Pitch of tube holes Percentage strength of shell in way of tubes

If Drum has a flat side state method of staying — Depth and thickness of girders at centre

(if fitted) Distance apart Number and pitch of stays in each Working pressure

by rules Steam Drum Heads or Ends:—Material Thickness Radius or how stayed

Size of Manhole or Handhole Water Drums:—Number in each boiler Inside Diameter

Material of plates Thickness Range of tensile strength Are drum shell plates welded

or flanged Description of riveting:—Cir. seams long. seams Diameter of Rivet Holes in

long. seams Pitch of rivets Lap of plates or width of butt straps Thickness of straps

Percentage strength of long. joint:—Plate Rivet Diameter of tube holes in drum Pitch of tube holes

Percentage strength of drum shell in way of tubes Water Drum Heads or Ends:—Material Thickness

Radius or how stayed Size of manhole or handhole Headers or Sections:—Number 2

Material P.M. Steel Thickness 110 x 120 Z Tested by Hydraulic Pressure to 12 kg/cm<sup>2</sup> Material of Stays

Area at smallest part Area supported by each stay Working Pressure by Rules Tubes:—Diameter 33 Z

Thickness 3 Z Number 24 Steam Dome or Collector:—Description of Joint to Shell

Percentage strength of Joint Diameter Thickness of shell plates Material

Description of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell

by Rules Crown or End Plates:—Material 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

Is a drain cock or valve fitted at lowest point of superheater Number, diameter, and thickness of tubes

Spare Gear. Tubes Gaskets or joints:—Manhole Handhole Handhole plates

The foregoing is a correct description,

Bremer Vulkan

Schiffbau und Maschinenfabrik

Manufacturer.

Dates of Survey { During progress of work in shops — 16/12. 38, 21/1. 39, 28/2. 39  
 while building { During erection on board vessel — 12/5. 39, 27. 5. 39, 5. 6. 39, 7. 6. 39

Is the approved plan of boiler forwarded herewith <sup>yes</sup>

Total No. of visits 7

## GENERAL REMARKS

(State quality of workmanship, opinions as to class, &amp;c.) There are two Boilers have been built in

accordance with the appr. plan, and the Secretary's letter. The materials have been tested as required by  
 the Rules and the workmanship is of good quality. During the vessels trial trip these boilers have been tested  
 under full working condition and found in order. The safety valves in the circulating <sup>system</sup> have been adjusted to  
 6 kg/cm<sup>2</sup>. Thickness of adjusting washers: port 9 Z Mark 10 Z

Survey Fee ... 24 168. — When applied for, 6. 3. 1939 to Bremer Vulkan

Travelling Expenses (if any) 18. — When received, 29. 4 1939

A. Parstun

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 30 JUN 1939

Assigned

See K.E. Mackay rpt.

© 2020

Lloyd's Register

003525-003532-0052 Foundation