

REPORT ON WATER TUBE BOILERS.

No. 946.

-6 MAY 1927

Received at London Office

of writing Report 1st May 1927 When handed in at Local Office

19

Port of Bremen

Survey held at Bremen

Date, First Survey 9th July 1926 Last Survey 25th April 1927

on the Steamer "BISCAYA"

(Number of Visits 7)

Gross 6190

Net 3536

Built at Bremen

By whom built

Türkische Schiff- u. Maschinenbau A.G. Hamburg

When built 1926/27

Lines made at Bremen

By whom made

-H-

When made 1926/27

Machinery made at -H-

By whom made

-H-

When made 1926/27

Registered Horse Power

Owners Bremen Öl-Transport G. m. b. H.

Port belonging to Bremen

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

Letter for Record 5 Date of Approval of plan 21/5/26 Number and Description or Type

Boilers 2 - Babcock & Wilcox Working Pressure 14 kg/cm² Tested by Hydraulic Pressure to 24 kg/cm² Date of Test 23/2/27

of Certificate Can each boiler be worked separately Yes Total Heating Surface of Boilers 100 sq. meters

forced draught fitted oil fired Area of fire grate (coal) in each Boiler Total grate area of boilers in vessel including

in and Auxiliary No. and type of burners (oil) in each boiler 2 - Vulkan Type No and description of safety valves on

h boiler 2, spring loaded Area of each valve 2 x 5026 mm² Pressure to which they are adjusted 14 kg/cm²

e they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter the donkey boiler No

allest distance between boilers or uptakes and bunkers or woodwork 560 mm Height of Boiler 4280 mm Width and Length 2565 x 4741 mm

am Drums:—Number in each boiler 1 Inside diameter 1300 mm Material of plates J. M. Steel Thickness 21 mm

nge of Tensile Strength 44-51 kg/cm² Are drum shell plates welded or flanged No Description of riveting:—

r. seams double long. seams double Diameter of rivet holes in long. seams 23 mm Pitch of Rivets 81 mm

p of plate or width of butt straps 230 mm Thickness of straps 18 mm Percentage strength of long. joint:—Plate 71.6% Rivet 75.1%

iameter of tube holes in drum 95 mm Pitch of tube holes 160 x 195 mm Percentage strength of shell in way of tubes 51.4%

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

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

rules 17.1 kg/cm² Steam Drum Heads or Ends:—Material J. M. Steel Thickness 20 x 23 mm Radius or how stayed 1170 mm

e of Manhole or Handhole 300 x 400 mm Water Drums:—Number in each boiler 2 Inside diameter 470 mm

terial of plates J. M. Steel Thickness 19 x 22 mm Range of tensile strength 41-48 kg/cm² Are drum shell plates welded

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

g. seams 26 mm Pitch of rivets 70 mm Lap of plates or width of butt straps Thickness of straps

percentage strength of long. joint:—Plate Rivet Diameter of tube holes in drum 98 x 95 mm Pitch of tube holes 160 x 140 mm

percentage strength of drum shell in way of tubes 51.4% Water Drum Heads or Ends:—Material Thickness

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

terial Thickness Tested by Hydraulic Pressure to Material of Stays

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

ickness Number Steam Dome or Collector:—Description of Joint to Shell

percentage strength of Joint Diameter Thickness of shell plates Material

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

Rules Crown or End Plates:—Material Thickness How stayed

PERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

te of Test Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler

iameter of Safety Valve Pressure to which each is adjusted Is easing gear fitted

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

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

The foregoing is a correct description,

Work: Act. Ges. "Weser" Manufacturer.

Is the approved plan of boiler forwarded herewith 21.5.26

Total No. of visits 7

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These Boilers have been constructed

under special survey in accordance with the approved plan and instructions and in

conformity with the Rules. The material used in the construction and the workmanship

is good. They are eligible in my opinion to be classed in the Register Book with

and of 199 to. Thickness of adjusting washers of safety valves Port Boilers 15 mm 15 mm

Forward 16 " 16 "

Survey Fee £ 8 : 8 : When applied for 1st May 1927

Travelling Expenses (if any) £ : : When received 3 June 1927

Committee's Minute

Signed

FRI. 13 MAY 1927

Engineer Surveyor to Lloyd's Register of Shipping.



© 2021

Lloyd's Register
Foundation

011712-011717-0161