

REPORT ON WATER TUBE BOILERS.

No. 21940

Received at London Office

15 JUN 1936

Date of writing Report 26.5.36 19

When handed in at Local Office 19

Port of Hamburg

No. in Reg. Bk. Survey held at Kiel Date, First Survey 2/4/36 Last Survey 22/5/36 19

on the steel ship "H.M. Tarifa" (Number of Visits 6) Tons { Gross Net

Master Built at Elbing By whom built F. Schichau G.m.B.H. When built 1936

Engines made at By whom made When made

Boilers made at Kiel By whom made Deutsche Werke Kiel A.G. When made 1936

Registered Horse Power Owners Port belonging to

LA MONT -

WATER TUBE BOILERS MAIN, AUXILIARY, OR DONKEY. - Manufacturers of Steel Mannesmannröhren-Werke

(Letter for Record S) Date of Approval of plan 27.12.36 (3x) Number and Description or Type

of Boilers 1 main heat La Mont D.B. Working Pressure 100 lb Tested by Hydraulic Pressure to 200 lb Date of Test 19.5.36

No. of Certificate 619 Can each boiler be worked separately yes Total Heating Surface of Boilers 60 m²

Is forced draught fitted no Area of fire grate (coal) in each Boiler 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 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 Height of Boiler Width and Length

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 0.4 Steel Thickness 9 mm Radius or how stayed 480 mm

Size of Manhole or Handhole 300 mm x 400 mm Water Drums: - Number in each boiler 2 Inside Diameter 80 mm, 90 mm

Material of plates 0.4 Steel Thickness 20 mm Range of tensile strength 54-60 kg/mm² Are drum shell plates welded

or flanged Description of riveting: - Cir. seams solid 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 32 mm Pitch of tube holes 90 mm

Percentage strength of drum shell in way of tubes 64.4% Water Drum Heads or Ends: - Material Thickness

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

Material Thickness Tested by Hydraulic Pressure to Material of Stays 32 mm

Area at smallest part Area supported by each stay Working Pressure by Rules Tubes: - Diameter 0.4 Steel

Thickness 2.5 mm Number 11 elements Steam Dome or Collector: - Description of Joint of Shell 26C 44 straps

Percentage strength of Joint 77.2% Diameter 600 mm Thickness of shell plates 7 mm Material 0.4 Steel

Description of longitudinal joint 26C 44 straps Diameter of Rivet Holes 13.5 mm Pitch of Rivets 59 mm Working Pressure of shell

by Rules 15.8 kg/mm² Crown or End Plates: - Material Thickness How stayed

SUPERHEATER. Type none 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,

Deutsche Werke Kiel

Aktiengesellschaft

Manufacturer.

Dates } During progress of 1936: Apr: 2 May: 5, 12, 15, 19, 22

Survey } work in shops - -

while } During erection on

building } board vessel - - -

Is the approved plan of boiler forwarded herewith yes, except 1

Total No. of visits 6

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This donkey Boiler has been constructed under

Special Survey in accordance with the approved plans and the requirements of the Rules. Materials

and workmanship are of good quality. In my opinion this D.B. is eligible for notation in the R.B. with

100 lb pressure, when it has been satisfactorily fitted on board, its mountings fitted, the boiler

tested under steam and its safety valves adjusted to 100 lb. pressure.

Survey Fee ... R.M.B. £ 84.-

When applied for, 15/6/36 1936

Travelling Expenses (if any) £ 26.-

When received, 5/8/ 1936

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 22 DEC 1936

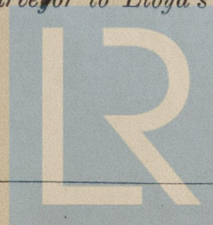
Assigned The Eng. J.E. 12

FRI 5 MAR 1937

FRI 7 MAY 1937

FRI 6 AUG 1937

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