

REPORT ON BOILERS.

No. 1412

Received at London Office.....

Writing Report.....14.2.1962 When handed in at Local Office.....19..... Port of Rijeka

Survey held at Zagreb Date, First Survey 10.11.61 Last Survey 9.2.1962

On the MV "WEINIAWSKI" (Number of Visits.....13.....) Tons {Gross.....7000 Net.....}

Split By whom built Brodogradiliste "Split" Yard No. 176 When built 1962-12

Made at TURIN By whom made FIAT SGM - Engine No. 1486 When made 1962

Made at Zagreb By whom made Tvornica Parnih Kotlova Boiler No. 2908 When made 1962

Owner Rule Owners POLISH OCEAN LINES Port belonging to Gdynia

TUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Mannesmann AG. Huttenwerk Huckingen & Dalmine SPA

Heating Surface of Boilers 65 sq.m Of Superheaters None

Register Book 65 sq.metres Is forced draught fitted yes Coal or Oil fired oil

Description of Boilers One Cylindrical Scotch type Working Pressure 7 kg/sq.cm

Hydraulic pressure to 14 kg/sq.cm Date of test 2.2.62 No. of Certificate RKA 83 Can each boiler be worked separately -

Firegrate in each Boiler - No. and Description of safety valves to each boiler 2x70mm High Lift

Each set of valves per boiler {per Rule 3280 as fitted 5652 Pressure to which they are adjusted 7kg/sq.cm Are they fitted with easing gear YES

For donkey boilers, state whether steam from main boilers can enter the donkey boiler No Main boilers

Distance between boilers or uptakes and bunkers or woodwork - Is oil fuel carried in the double bottom under boilers -

Distance between boilers or uptakes and bunkers or woodwork - Is the bottom of the boiler insulated -

Internal dia. of boilers 2200 mm Length 2960 mm Shell plates: Material SM. Steel Tensile strength 44-55 kg/sq.mm

Welded, state name of welding Firm - Have all the requirements of the Rules for Class I vessels

Applied with - Thickness 11mm Are the shell plates welded or flanged No Description of riveting: circ. seams {end DR LAP inter -

DR Butt Strap Diameter of rivet holes in {circ. seams 17 mm lang. seams 17 mm Pitch of rivets {59.853 mm 71 mm

Percentage of strength of circ. end seams {plate As approved rivets - Percentage of strength of circ. intermediate seam {plate - rivets -

Percentage of strength of longitudinal joint {plate - rivets - combined -

Of butt straps {outer 11 mm inner 11 mm No. and Description of Furnaces in each Boiler 2 corrugated Fox type

See Cert. Tensile strength - Smallest outside diameter 750 mm

Plain part {top 231 mm bottom 231 mm Thickness of plates 10 mm Description of longitudinal joint BW

Stays of stiffening rings on furnace or c.c. bottom None

Stays in steam space: Material SM. Steel Tensile strength 41/47 kg/sq.mm Thickness 14 mm Pitch of stays 420 mm max.

Stays secured nuts externally & internally

Stays: Material {front SM. steel back SM. Steel Tensile strength {41/47 kg/sq.mm 41/47 kg/sq.mm Thickness {14 mm 14 mm

Pitch of stay tubes in nests 217.5 mm Pitch across wide water spaces -

Combustion chamber tops: Material SM. Steel Tensile strength 41-47 kg/sq.mm Depth and thickness of girder

2(130x11 mm) Length as per Rule 480 mm Distance apart 200 mm No. and pitch of stays

2 @ 200 mm pitch Combustion chamber plates: Material SM. Steel

Length 41-47 kg/sq.mm Thickness: Sides 11 mm Back 11 mm Top 11 mm Bottom 13 mm

Stays to ditto: Sides 200 mm Back 183 mm Top - Are stays fitted with nuts or riveted over with nuts

Stays at bottom: Material SM. Steel Tensile strength 41-47 kg/sq.mm

14 mm Lower back plate: Material SM. steel Tensile strength 41-47 kg/sq.mm Thickness 14 mm

Stays at wide water space 183 mm Are stays fitted with nuts or riveted over with nuts

Stays: Material SM. Steel Tensile strength 41-47 kg/sq.mm

At body of stay 56 mm No. of threads per inch 9

Stays: Material SM. Steel Tensile strength 41-47 kg/sq.mm

At turned off part 30 mm No. of threads per inch 9

Are the stays drilled at the outer ends No Margin stays: Diameter At turned off part, 33 mm
or
Over threads, 33 mm

No. of threads per inch 9

Tubes: Material SM. Steel External diameter 63.5 mm Thickness 3 mm No. of threads per inch 9
Stay, 63.5 mm

Pitch of tubes 87 mm Manhole compensation: Size of opening 48x17 mm dia.

shell plate 20x420 mm Section of compensating ring 13x70 mm No. of rivets and diameter of rivet holes 48x17 mm dia.

Outer row rivet pitch at ends 60 mm Depth of flange if manhole flanged 70 mm Steam Dome: Material No Dome

Tensile strength - Thickness of shell - Description of longitudinal joint -

Diameter of rivet holes - Pitch of rivets - Percentage of strength of joint Plate, -
Rivets, -

Internal diameter - Thickness of crown - No. and diameter of stays -

How connected to shell - Size of doubling plate under dome - Diameter of rivet holes and

of rivets in outer row in dome connection to shell -

Type of Superheater None Manufacturers of Tubes, -
Steel forgings, -
Steel castings, -

Number of elements - Material of tubes - Internal diameter and thickness of tubes -

Material of headers - Tensile strength - Thickness - Can the superheater be shut off

the boiler be worked separately - Is a safety valve fitted to every part of the superheater which can be shut off from the boiler -

Area of each safety valve - Are the safety valves fitted with easing gear -

Pressure to which the safety valves are adjusted - Hydraulic test pressure -

tubes - forgings and castings - and after assembly in place - Are drain cocks

valves fitted to free the superheater from water where necessary -

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with Yes

TVORNICA PARNIH KOTLOVA
The foregoing is a correct description,
ZAGREB - 1957
Manufactured

Dates of Survey During progress of work in shops - - Are the approved plans of boiler and superheater forwarded herewith Yes, approved
while building During erection on board vessel - - - (If not state date of approval.) 22.5.57. Drwg. No. 1
Total No. of visits -

Is this Boiler a duplicate of a previous case Yes If so, state Vessel's name and Report No. -

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The boiler referred to above has been constructed under Special Survey in accordance with the Rules, approved Plans and Secretary's letters.

The workmanship and materials are good.

This boiler has been efficiently installed on board the vessel and the safety valves adjusted at 7 lb.

J. Blythe

Survey Fee ... £ 15-0-0 + 31.500.-din. When applied for, 19...

Travelling Expenses (if any) Din. 36.500.- When received, 19...

J. N. Jarvie & J. Macki
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute

FRIDAY 14 JUN 1963

Assigned See Sp 2390



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