

REPORT ON BOILERS.

No. 2094

NOV 1952

Received at London Office

Reporting Report 31st Oct. 1952 When handed in at Local Office 1952 Port of HAMBURG
 Survey held at HAMBURG Date, First Survey 23rd Oct. Last Survey 25th Oct. 1952
 on the M.V. "KAMERUN" (Number of Visits 2) Tons { Gross 3911 Net 2186
 Flensburg By whom built Flensburger Schiffab. Ges. Yard No. 533 When built 1951
 made at Augsburg By whom made M.A.N. Engine No. 501512 When made 1951
 made at Flensburg By whom made Flensburger Schiffsb. Ges. Boiler No. 1255 When made 1951
 Deutsch-Afrikanische Schiffahrtsges. m.b.H., Port belonging to Hamburg

CAL BOILER.

Flensburg By whom made Flensburger Schiffsb. Ges. Boiler No. 1255 When made 1951 Where fixed Flensburg
 makers of Steel Hüttenwerk Huckingen A.G., Duisburg - Huckingen

Heating Surface of Boiler 8 m² (86 sq.ft) Is forced draught fitted no Coal or Oil fired oil fixed ✓

Description of Boilers 1 vertical boiler with cross tubes ✓ Working Pressure 71 lbs ✓

hydraulic pressure to - Date of test - No. of Certificate -

fire grate in each Boiler - No. and description of safety valves to each boiler 2 spring loaded safety valves ✓

each set of valves per boiler { per Rule... as fitted 2 x 50 mm } Pressure to which they are adjusted 5 Atm. ✓ Are they fitted with easing gear yes ✓

whether steam from main boilers can enter the donkey boiler none ✓ Smallest distance between boiler or uptake and bunkers 1.6 m ✓

Is oil fuel carried in the double bottom under boiler no ✓ Smallest distance between base of boiler and tank top plating 1.9 m ✓

Is the base of the boiler insulated yes ✓ Largest internal dia. of boiler 1380 mm ✓ Height 3200 mm ✓

Material SM Steel Tensile strength 43.6 - 44.9 kg/mm² Thickness 10 mm ✓

shell plates welded or flanged welded ✓ If fusion welded, state name of welding firm Flensburger Schiffsb. Ges.

the requirements of the Rules for Class I vessels been complied with - Description of riveting: circ. seams { end single 50 mm inter pitch 20 mm } ✓

as welded ✓ Dia. of rivet holes in { circ. seams... long. seams... } Pitch of rivets { } Percentage of strength of circ. seams { plate... rivets... } ✓

longitudinal joint { plate... rivets... combined... } Thickness of butt straps { outer... inner... } Shell Crown: Whether complete hemisphere, dished partial

or flat Material SM Steel Tensile strength 43.3 & 44.9 Thickness 10 mm ✓

1120 mm Description of Furnace: Plain, spherical, or dished crown spherical ✓ Material SM Steel

length 43.3 - 44.9 Thickness 10 mm ✓ External diameter { top 1100 bottom 1200 } Length as per Rule ✓

support stays circumferentially none ✓ and vertically none ✓ Are stays fitted with nuts or riveted over -

the of stays over thread - Radius of spherical or dished furnace crown 880 mm ✓

of Ogee Ring - Diameter as per Rule { D... d... } ✓

ion Chamber: Material SM Steel Tensile strength 44.1 - 45.2 kg/mm² Thickness of top plate 10 mm ✓

dished - Thickness of back plate - Diameter if circular 1100 & 1200 mm ✓

per Rule Pitch of stays

fitted with nuts or riveted over Diameter of stays over thread

tes: Material { front... back... } Tensile strength { } Thickness { } Mean pitch of stay tubes in nests

sing shell, dia. as per Rule { front... back... } Pitch in outer vertical rows { } Dia. of tube holes FRONT { stay... plain... } BACK { stay... plain... }

ternate tube in outer vertical rows a stay tube

o Combustion Chamber Tops: Material Tensile strength

Shi thickness of girder at centre Length as per Rule

part No. and pitch of stays in each



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Crown Stays: Material Tensile strength Diameter { at body of stay, or over threads.

No. of threads per inch Screw Stays: Material Tensile strength

Diameter { at turned off part, or over threads. No. of threads per inch Are the stays drilled at the outer ends

Tubes: Material External diameter { plain, stay. Thickness {

No. of threads per inch Pitch of tubes

Manhole Compensation: Size of opening in shell plate 300 - 400 mm Section of compensating ring 2 x 100 x 15 mm No. of rivets

of rivet holes welded Outer row rivet pitch at ends Depth of flange if manhole flanged

Uptake: External diameter Thickness of uptake plate

Cross Tubes: No. SM Steel External diameters { 2 x 218 mm lower 12 mm 2 x 192 mm upper Thickness of plates 10 mm

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

The foregoing is a correct description

Dates of Survey while building { During progress of work in shops - - - Is the approved plan of boiler forwarded herewith (If not state date of approval.) During erection on board vessel - - - Total No. of visits

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been constructed under supervision of Germanischer Lloyd. Examined, checked with the Owners' plans, tested under steam and found in sound condition, safety valves adjusted at 71 pounds per square inch.

Plans have been handed to Plan Approval Surveyors and Approval awaited. Plan will be forwarded in due course.

Survey Fee ... £ See Rpt.9 : When applied for 19
Travelling Expenses (if any) £ : : When received 19

Date THU 12 MAR 1953

Committee's Minute

A.F. Gordon
Engineer Surveyor to Lloyd's Register of Shipping
Lloyd's Register Foundation