

REPORT ON BOILERS.

No. 2094

Received at London Office

17 NOV 1952

Writing Report 31st Oct. 1952 When handed in at Local Office 19 Port of HAMBURG

Survey held at HAMBURG Date, First Survey 23rd Oct. Last Survey 25th Oct. 1952

Atm. on the M.V. "KAMERUN" (Number of Visits 2) Tons { Gross 3911 Net 2186

Flensburg By whom built Flensburger Schiffsb. 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

Agent 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

Manufacturers 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.

Do 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 - Pitch of rivets - Percentage of strength of circ. seams { plate - rivets -

Longitudinal joint { plate - rivets - 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

Length 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 -

Combustion 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

Material { front - back - Tensile strength { Thickness { Mean pitch of stay tubes in nests

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

Interminate tube in outer vertical rows a stay tube

Combustion Chamber Tops: Material Tensile strength

Thickness of girder at centre Length as per Rule

part No. and pitch of stays in each

26-1-53

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 10 mm Thickness of plates.....

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

The foregoing is a correct description.....

Dates of Survey { During progress of work in shops - - -
while building { During erection on board vessel - - - Is the approved plan of boiler forwarded herewith (If not state date of approval.)
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 time.

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

Date THU 12 MAR 1953

Committee's Minute.....



Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register Foundation