

REPORT ON BOILERS.

No. 11088

Received at London Office

JAN 22 1940

19 When handed in at Local Office

19

Port of Copenhagen

At Copenhagen, Denmark Date, First Survey 21st August 1939 Last Survey 12th January 1940.

By Sc. Officer "CHILE."

(Number of Visits 10)

Gross 6956

Tons Net 4433

By whom built Aht. Bunnis & Wain Yard No. - When built 1915

By whom made Aht. Bunnis & Wain Engine No. - When made 1915

By whom made S. Smith, Copenhagen Boiler No. 744 When made 1940

Port belonging to Copenhagen

DONKEY BOILER.

By whom made S. Smith, Copenhagen Boiler No. 744 When made 1940 Where fixed In the engine room

Steel Plate: Applied by, Fordingham Steel Co. Ltd., Consultants: Stewart, Lloyd, Smith, Lewis, Bros., Copenhagen.

Face of Boiler 9.2 m² Is forced draught fitted no Coal or Oil fired oil fired

Working pressure 8 kg/cm² 114 m.

pressure to 15.5 kg/cm² Date of test 13.10.39 No. of Certificate 653

No. and Description of safety valves to each boiler 1 off 50 kg/cm² direct spring loaded

valves per boiler 1963.5 kg/cm² Pressure to which they are adjusted 114 kg/cm² Are they fitted with easing gear yes

from main boilers can enter the donkey boiler no main boiler Smallest distance between boiler or uptake and bunkers

Is oil fuel carried in the double bottom under boiler yes Smallest distance between base of boiler and tank top plating

Is the base of the boiler insulated yes Largest internal dia. of boiler 1400 mm Height 3550 mm

Material S. Ch. Steel Tensile strength 44/50 kg/mm² Thickness 11 mm

Is welded or flanged no Description of riveting: circ. seams single long. seams double rivet, lap joint

Pitch of rivets 20.5 mm Percentage of strength of circ. seams 58.1 of Longitudinal joint 78.7

of shell by rules 9.8 kg/cm² Thickness of butt straps outer none inner none

Whether complete hemisphere, dished partial spherical, or flat dished Material S. Ch. Steel

Thickness 13 mm Radius 1300 mm Working pressure by rules 8 kg/cm²

Furnace: Plain, spherical, or dished crown dished Material S. Ch. Steel Tensile strength 44/47 kg/mm²

External diameter 1030 mm Length as per rule 1440 mm Working pressure by rules 9.2 kg/cm²

stays circumferentially - and vertically - Are stays fitted with nuts or riveted over

Radius of spherical or dished furnace crown 1300 mm Working pressure by rule 8 kg/cm²

Ring 15 mm Diameter as per rule 1378 mm Working pressure by rule 8.3 kg/cm²

Material S. Ch. Steel Tensile strength 44/47 kg/mm² Thickness of top plate

Working pressure by rule 8.3 kg/cm² Thickness of back plate 13 mm Diameter if circular

Pitch of stays 100 mm Are stays fitted with nuts or riveted over

Working pressure of back plate by rules 8.3 kg/cm²

Material S. Ch. Steel Tensile strength 44/47 kg/mm² Thickness 13 mm Mean pitch of stay tubes in nests

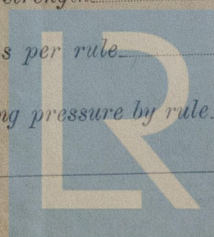
all, Dia. as per rule 100 mm Pitch in outer vertical rows 100 mm Dia. of tube holes FRONT 100 mm BACK 100 mm

Working pressure by rules 8.3 kg/cm²

Combustion chamber tops: Material S. Ch. Steel Tensile strength 44/47 kg/mm²

Length as per rule 1440 mm

No. and pitch of stays in each 100 mm Working pressure by rule 8.3 kg/cm²



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F0155-0100

Crown stays: Material _____ Tensile strength _____ Diameter { at body of stay or over threads _____
 No. of threads per inch _____ Area supported by each stay _____ Working pressure by rules _____
Screw stays: Material _____ Tensile strength _____ Diameter { at turned off part or over threads _____ No. of threads _____
 Area supported by each stay _____ Working pressure by rules _____ Are the stays drilled at the ends _____
Tubes: Material _____ External diameter { plain _____ stay _____ Thickness { _____
 No. of threads per inch _____ Pitch of tubes _____ Working pressure by rules _____
Manhole Compensation: Size of opening in shell plate 300 x 400 mm Section of compensating ring flat 19 mm thick
 of rivet holes 36 off - 20.5 mm diameter outer row rivet pitch at ends 100 mm Depth of flange if manhole flanged _____
Uptake: External diameter 305 mm Thickness of uptake plate 13 mm
Cross Tubes: No. 2 External diameters { 230 mm Thickness of plates 13 mm

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

The foregoing is a correct description

SMITH, MYGIND & HUTTENLOCH

J. J. J. J.

Dates { During progress of work in shops - 2/8-1/9-19/9-29/9-5/10-13/10-1939 Is the approved plan of boiler forwarded herewith (If not state date of approval.)
 while building { During erection on board vessel - 29/12-31/1-11/1-12/1-1940 Total No. of visits 10


Is this Boiler a duplicate of a previous case no 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 & fitted under special survey in accordance with the approved plans and the secretaries letter. The material used in construction has been tested by the Rules and the workmanship is good.

Survey Fee ... £ 100-00 : When applied for, 17.1.1940
 Travelling Expenses (if any) £ 5.50 : When received, 19

TUE. 13 FEB 1940

Committee's Minute _____
 Assigned See Cpn 11096


 J. J. J. J.
 Engineer Surveyor to Lloyd's Register of Shipping
 Lloyd's Register Foundation