

REPORT ON BOILERS.

No. 11088

Received at London Office

JAN 22 1940

When handed in at Local Office

19

Port of Copenhagen

held at Copenhagen - Narsker Date, First Survey 21st August 1939 Last Survey 12th January 1940.

J.M.
Name of Vessel "CHILE." (Number of Visits 10) Gross 6956 Tons Net 4433

Copenhagen By whom built Akt. Bunnisler & Wain Yard No. - When built 1915

Copenhagen By whom made Akt. Bunnisler & Wain Engine No. - When made 1915

Copenhagen By whom made of Svends, Højgaard, Lütkenmeier Boiler No. 744 When made 1940

of Skandinavisk Kompagni Port belonging to Copenhagen.

DONKEY BOILER.

Copenhagen By whom made of Svends, Højgaard, Lütkenmeier Boiler No. 744 When made 1940 Where fixed In the engine room

Steel Plate: Applied by, Frodingham Steel Co. Ltd., Conclusions: Stewart, Loyde, Paris, Lewis Bros, Copenhagen.

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

Number of Boilers 1 off vertical cross tube boiler Working pressure 8 kg/cm² 114 m.

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

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

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

Can from main boilers 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. Ct. Steel Tensile strength 44/50 kg/cm² Thickness 11 mm

Are rivets welded or flanged no Description of riveting: circ. seams top end single long. seams double rivet, lap joint

Percentage of strength of circ. seams plate 58.1 of Longitudinal joint rivets 78.7
combined -

Thickness 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. Ct. Steel

Thickness 4 1/47 kg/cm² 13 mm Radius 1300 mm Working pressure by rules approx 8 kg/cm²

Furnace: Plain, spherical, or dished crown dished Material S. Ct. Steel Tensile strength 4 1/47 kg/cm²

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

Are 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 approx 8 kg/cm²

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

Material - Tensile strength - Thickness of top plate -

Working pressure by rule - Thickness of back plate - Diameter if circular -

Pitch of stays - Are stays fitted with nuts or riveted over -

Working pressure of back plate by rules -

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

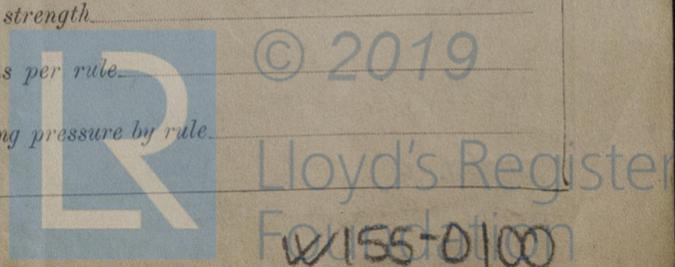
Dia. of tube holes FRONT stay - BACK stay -

Working pressure by rules front - back -

Tensile strength -

Length as per rule -

No. and pitch of stays in each - Working pressure by rule -



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 out _____

Tubes: Material _____ External diameter ^{at pin} or _{at stay} _____ Thickness _____
 No. of threads per inch _____ Pitch of tubes _____ Working pressure by rules _____

Manhole Compensation: Size of opening in shell plate 300 x 410 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 of the boiler
 SMITH, MYGIND & HUTTENLOCH

J. Langhorne

Dates of Survey ^{During progress of work in shops - -} 2/8-19-19/9-29/9-5/10-13/10-1939 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 above described boiler has been constructed & fitted under special survey in accordance with the approved plans and the secretaries letters. The material used in construction has been tested by the Rules and the workmanship is good.

Survey Fee ... £ 100-00 : } When applied for, 19-1-40
 Travelling Expenses (if any) £ 5-50 : } When received, _____ 19 _____

TUE. 13 FEB 1940

Committee's Minute _____
 Assigned See Cpm 11096

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

 Lloyd's Register Foundation