

REPORT ON BOILERS.

No. 12206

Received at London Office FEB -1 1939

Date of writing Report 25th January 1939 When handed in at Local Office 30th Jan. 1939 Port of GOTHENBURG

No. in Survey held at GOTHENBURG

Date, First Survey 14th November 1938 Last Survey 21st January 1939

Reg. Book Supplement

90505 on the Twin Sc. M/s VENEZUELA

(Number of Visits 5)

Gross 6991

Tons Net 4060

Built at GOTHENBURG By whom built A.B. GÖTAVERKEN Yard No. 530 When built 1939.

Engines made at GOTHENBURG By whom made A.B. GÖTAVERKEN Engine No. 1354 When made 1939.

Boilers made at LOUGHBOROUGH By whom made WALTER W. COLTMAN & Co. Ltd. Boiler No. 6262 When made 1938.

Owners REDERI AKTIEBOLAGET NORDSTJERNAN Port belonging to STOCKHOLM.

VERTICAL DONKEY BOILER.

Made at Loughborough By whom made Walter W. Colman & Co. Ltd. Boiler No. 6262 When made 1938 Where fixed Forward in the engine room.

Manufacturers of Steel

Total Heating Surface of Boiler Is forced draught fitted No Coal or Oil fired Oil

No. and Description of Boilers Working pressure

Tested by hydraulic pressure to Date of test No. of Certificate

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler

Area of each set of valves per boiler { per rule as fitted Pressure to which they are adjusted 85 lbs/sq. in. Are they fitted with easing gear Yes

State whether steam from main boilers can enter the donkey boiler No main boilers fitted Smallest distance between boiler or uptake and bunkers or woodwork Is oil fuel carried in the double bottom under boiler Yes Smallest distance between base of boiler and tank top plating

1000 mm Is the base of the boiler insulated Yes Largest internal dia. of boiler Height

Shell plates: Material Tensile strength Thickness

Are the shell plates welded or flanged Description of riveting: circ. seams { end. inter. long. seams

Dia. of rivet holes in { circ. seams long. seams Pitch of rivets Percentage of strength of circ. seams { plate rivets of Longitudinal joint { plate rivets combined

Working pressure of shell by rules Thickness of butt straps { outer inner

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat Material

Tensile strength Thickness Radius Working pressure by rules

Description of Furnace: Plain, spherical, or dished crown Material Tensile strength

Thickness External diameter { top bottom Length as per rule Working pressure by rules

Pitch of support stays circumferentially and vertically Are stays fitted with nuts or riveted over

Diameter of stays over thread Radius of spherical or dished furnace crown Working pressure by rule

Thickness of Ogee Ring Diameter as per rule { D d Working pressure by rule

Combustion Chamber: Material Tensile strength Thickness of top plate

Radius if dished Working pressure by rule Thickness of back plate Diameter if circular

Length as per rule Pitch of stays Are stays fitted with nuts or riveted over

Diameter of stays over thread Working pressure of back plate by rules

Tube Plates: Material { front back Tensile strength Thickness Mean pitch of stay tubes in nests

If comprising shell, Dia. as per rule { front back Pitch in outer vertical rows Dia. of tube holes FRONT { stay plain BACK { stay plain

Is each alternate tube in outer vertical rows a stay tube Working pressure by rules { front back

Girders to combustion chamber tops: Material Tensile strength

Depth and thickness of girder at centre Length as per rule

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

W1178-0110

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 per inch ☒

Area supported by each stay ☒ Working pressure by rules ☒ Are the stays drilled at the outer 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 ☒ Section of compensating ring ☒ No. of rivets and diameter ☒

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

Uptake: External diameter ☒ Thickness of uptake plate ☒

Cross Tubes: No. ☒ External diameters ☒ Thickness of plates ☒

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

The foregoing is a correct description,

Manufacturer.

Dates of Survey { During progress of work in shops - ☒
while building { During erection on board vessel - ☒ 1938: Nov. 14, 17, 22. 1939: Jan. 19, 21 Total No. of visits 5

Is the approved plan of boiler forwarded herewith (If not state date of approval.)

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 donkey boiler has been fitted on board this ship under my inspection and to my satisfaction.

The boiler found marked:

LLOYDS TEST
 No. 604
 170 LBS \square "
 85 LBS \square " W.P.
 W.K. 30-6-38 WK

Please see Sheffield Surveyors' report No. 496 on this boiler forwarded herewith.

sent 6/7/38

Survey Fee ... £ ☒ : : When applied for, 19 ☒

Travelling Expenses (if any) £ ☒ : : When received, 19 ☒

Folke Cassel
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned

TUE 7 FEB 1939
See fol. 36 12206

