

REPORT ON BOILERS.

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Date of writing Report. 15th Nov. 1949. When handed in at Local Office. 24th Nov. 1949. Port of Gothenburg

No. in Reg. Book. 35473 Survey held at Gothenburg Date, First Survey 19th August Last Survey 3rd November 1949.

on the Motor Tanker "ANGLO MAERSK" (Number of Visits. 18) Tons { Gross. 11647 Net. 6825

Master --- Built at Gothenburg By whom built Eriksbergs Mek. Verket. AB Yard No. 388 When built 1949

Engines made at Gothenburg By whom made Eriksbergs Mek. Verkstads A-B. Engine No. 488 When made 1949

Boilers made at Glasgow By whom made Barclay, Curle & Co., Ltd. Boiler No. 50417 When made 1949

Nominal Horse Power --- Owners. A/S D/S Svendborg & D/S af 1912 A/S Port belonging to Copenhagen

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY, OR~~ DONKEY.

Manufacturers of Steel Colvilles, Ltd. (Letter for Record s)

Total Heating Surface of Boilers --- Is forced draught fitted Yes Coal or Oil fired Oil

No. and Description of Boilers 2 single ended multitubular Working Pressure 143 lb/in²

Tested by hydraulic pressure to --- Date of test --- No. of Certificate --- Can each boiler be worked separately Yes

Area of Firegrate in each Boiler --- No. and Description of safety valves to each boiler 1 double spring loaded

Area of each set of valves per boiler { per Rule. 10780 mm² as fitted. 19000 mm² } Pressure to which they are adjusted. 143 lb/in² Are they fitted with casing gear Yes

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No main boiler fitted

Smallest distance between boilers or uptakes and bunkers or woodwork 830 mm from AP Hds Boilers placed in a separate room on a platform aft in ERIs the bottom of the boiler insulated Yes

Smallest distance between shell of boiler and tank top plating ---

Largest internal dia. of boilers Length Shell plates: Material Tensile strength

Thickness Are the shell plates welded or flanged Description of riveting: circ. seams { end. inter. } Pitch of rivets {

Percentage of strength of circ. end seams { plate. rivets. } Percentage of strength of circ. intermediate seam { plate. rivets. } Working pressure of shell by Rules.

Percentage of strength of longitudinal joint { plate. rivets. combined. }

Thickness of butt straps { outer. inner. } No. and Description of Furnaces in each Boiler Tensile strength Smallest outside diameter

Length of plain part { top. bottom. } Thickness of plates { crown. bottom. } Description of longitudinal joint Working pressure of furnace by Rules.

Dimensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules.

End plates in steam space: Material Tensile strength Thickness Pitch of stays Working pressure by Rules.

How are stays secured Working pressure by Rules.

Tube plates: Material { front. back. } Tensile strength Thickness Working pressure { front. back. }

Can pitch of stay tubes in nests Pitch across wide water spaces Working pressure { front. back. }

Orders to combustion chamber tops: Material Tensile strength Depth and thickness of girder centre Length as per Rule Distance apart No. and pitch of stays each Working pressure by Rules

Combustion chamber plates: Material Tensile strength Thickness: Sides Back Top Bottom Are stays fitted with nuts or riveted over Working pressure by Rules

Front plate at bottom: Material Tensile strength Thickness Lower back plate: Material Tensile strength Thickness

How are stays at wide water space Are stays fitted with nuts or riveted over Working pressure

Main stays: Material Tensile strength Diameter { At body of stay. 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. Over threads. } No. of threads per inch Area supported by each stay

200 x 21 x 27 = 11.85

Evil 14/12/49

Working pressure by Rules... Are the stays drilled at the outer ends... Margin stays: Diameter { At turned off part, or Over threads...
 No. of threads per inch... Area supported by each stay... Working pressure by Rules...
 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... Steam Dome: Material...
 Tensile strength... Thickness of shell... Description of longitudinal joint...
 Diameter of rivet holes... Pitch of rivets... Percentage of strength of joint { Plate... Rivets...
 Internal diameter... Working pressure by Rules... Thickness of crown... No. and diameter of stays... Inner radius of crown... Working pressure by Rules...
 How connected to shell... Size of doubling plate under dome... Diameter of rivet holes and pitch of rivets in outer row in dome connection to shell...
 Type of Superheater... Manufacturers of { Tubes... Steel forgings... Steel castings...
 Number of elements... Material of tubes... Internal diameter and thickness of tubes...
 Material of headers... Tensile strength... Thickness... Can the superheater be shut off at the boiler be worked separately... Is a safety valve fitted to every part of the superheater which can be shut off from the boiler...
 Area of each safety valve... Are the safety valves fitted with casing gear... Working pressure as per Rules... Pressure to which the safety valves are adjusted... Hydraulic test pressure...
 tubes... forgings and castings... and after assembly in place... Are drain cocks valves fitted to free the superheater from water where necessary...
 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 while building { During progress of work in shops - - } Are the approved plans of boiler and superheater forwarded herewith... (If not state date of approval.)
 { During erection on board vessel - - } 19th August - 3rd November, 1949 Total No. of visits 18

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.)

These donkey boilers have been securely fitted in the vessel under my inspection and to my satisfaction and the safety valves have been adjusted under steam to 143 lbs. per square inch.
 Please see also Glasgow Report No. 73609 on these boilers.

Survey Fee £ ... : ... : ... } When applied for, ... 19...
 Travelling Expenses (if any) £ ... : ... : ... } When received, ... 19...

Anders Sjogren
 Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute
 Assigned *In audit see J.E. Rife*

