

REPORT ON BOILERS.

No. 2505

Received at London Office 20 OCT 1947

Date of writing Report 17th Oct 47 When handed in at Local Office 18th Oct 47 Port of Maharr
 No. in Survey held at Maharr Date, First Survey 19th August Last Survey 9th Oct 1947
 Reg. Book No. 6712 on the M/T "GAUTHIOD" (Number of Visits 6) Tons Gross 8650 Net 5093
 Master Built at Maharr By whom built Hockmire Mels. V. A. O. Yard No. 288 When built 1947
 Engines made at Maharr By whom made Hockmire Mels. V. A. O. Engine No. 413 When made 1947
 Boilers made at Sunderland By whom made G. Clarke, Ltd. Boiler No. 1436 When made 1947
 Nominal Horse Power 1361 Owners Hockmire Rederi A. B. Svea Port belonging to Stockholm

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel (Letter for Record)
 Total Heating Surface of Boilers Is forced draught fitted Yes Coal or Oil fired Oil
 No. and Description of Boilers Working Pressure
 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 Two direct spring loaded
 Area of each set of valves per boiler per Rule 5690 mm² as fitted 7697 Pressure to which they are adjusted 173 lbs/sq. in Are they fitted with easing gear Yes
 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Smallest distance between boilers or uptakes and bunkers or woodwork Is oil fuel carried in the double bottom under boilers
 Smallest distance between shell of boiler and tank top plating Is the bottom of the boiler insulated
 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.
 Long. seams Diameter of rivet holes in { circ. seams long. seams Pitch of rivets
 Percentage of strength of circ. end seams { plate rivets Percentage of strength of circ. intermediate seam { plate rivets
 Percentage of strength of longitudinal joint { plate rivets Working pressure of shell by Rules
 Thickness of butt straps { outer inner
 No. and Description of Furnaces in each Boiler
 Material Tensile strength Smallest outside diameter
 Length of plain part { top bottom Thickness of plates { crown bottom Description of longitudinal joint
 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
 How are stays secured Working pressure by Rules
 Tube plates: Material { front back Tensile strength Thickness
 Lean pitch of stay tubes in nests Pitch across wide water spaces Working pressure { front back
 Girders to combustion chamber tops: Material Tensile strength Depth and thickness of girder
 Centre Length as per Rule Distance apart No. and pitch of stays
 Working pressure by Rules Combustion chamber plates: Material
 Tensile strength Thickness: Sides Back Top Bottom
 Pitch of stays to ditto: Sides Back Top 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
 Pitch of 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 No. of threads per inch Area supported by each stay
 { Over threads
 Working pressure by Rules Screw stays: Material Tensile strength
 Diameter { At turned off part No. of threads per inch Area supported by each stay
 { Over threads

End
31/10/47

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.....
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.....
stays..... Inner radius of crown..... Working pressure by Rules.....
How connected to shell..... Size of doubling plate under dome..... Diameter of rivet holes and p.....
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.....
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 easing gear..... Working pressure as.....
Rules..... Pressure to which the safety valves are adjusted..... Hydraulic test pressu.....
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.....

The foregoing is a correct description,
..... Manufactu.....

Dates of Survey { During progress of work in shops - - - Are the approved plans of boiler and superheater forwarded herewith..... (If not state date of approval.)
while building { During erection on board vessel - - - } 19th Aug. - 9th Oct, 1947. Total No. of visits 6

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 built under Special Survey and tested by the Surveyors to this Society as per Sunderland Report No. 34656 and has been installed onboard under my supervision and to my satisfaction. The photostat copy of Sunderland Report 34656 is returned herewith.

Please also see report of donkey boilers built by Lockman M.V. 9.9, Mal.....

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

A. Baring
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute.....

Assigned..... See F.E. Mucky. rpt.

21 NOV 1947



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