

REPORT ON BOILERS.

No. 50721

Received at London Office

17 SEP 1930

Date of writing Report 19 When handed in at Local Office 13.9.1930 Port of Glasgow
No. in Survey held at Reg. Book. Glasgow Date, First Survey 6.1.30 Last Survey 5 Sept. 1930
on the S.S. Côte De Québec (Number of Visits 37) Gross 1259 Tons Net 467.
Master Built at Old Kilpatrick By whom built Napier & Miller Ltd. Yard No. 245 When built 1930
Engines made at Glasgow By whom made McKie & Bristle Ltd. Engine No. 1260 When made 1930
Boilers made at do. By whom made D. W. Henderson & Co Ltd. Boiler No. 17F When made 1930
Nominal Horse Power 244. Owners Lewis & Lunn Company Port belonging to Glasgow

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

See file Report No. 50566.

Manufacturers of Steel (Letter for Record S)
Total Heating Surface of Boilers Is forced draught fitted y/o. Coal or Oil fired Coal
No. and Description of Boilers Two Simple End Return Tubes Working Pressure 185 lbs
Tested by hydraulic pressure to Date of test 6.5.30: 10.6.30 No. of Certificate 1846 1849 Can each boiler be worked separately y/o
Area of Firegrate in each Boiler No. and Description of safety valves to each boiler 2 direct Spring
Area of each set of valves per boiler {per Rule 6.95" as fitted 4.075" Pressure to which they are adjusted 185 lbs. Are they fitted with easing gear y/o
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 will clear 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 y/o
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 combined 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.e. 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 {
Mean 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
at centre Length as per Rule Distance apart No. and pitch of stays
in each 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, 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

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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 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 and 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 per Rules Pressure to which the safety valves are adjusted Hydraulic test pressure: tubes, castings and after assembly in place Are drain cocks or 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, Manufacturer.

Dates of Survey { During progress of work in shops - - } See accompanying Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)

while building { During erection on board vessel - - - } machinery report Total No. of visits 37

Is this Boiler a duplicate of a previous case *ops.* If so, state Vessel's name and Report No. *"Bite De Lini" 96 Sept 20653.*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

These Boilers have been placed on board and efficiently secured in position. The Safety valves have been adjusted and the boiler examined and found in order.

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15.9.90
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Survey Fee £ : : When applied for, 19

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

Geo. Munro
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 16 SEP 1930*

Assigned *See accompanying machy report*