

REPORT ON BOILERS.

No. 50141

Received at London Office 19 FEB 1930

Date of writing Report 19 _____ When handed in at Local Office 15 2 1930 Port of GLASGOW

No. in Reg. Book. Survey held at Bowling Date, First Survey 25 5 29 Last Survey 8 2 1930
 on the 55 "YEW PARK" (Number of Visits 20) Tons { Gross 827 Net 410

Master _____ Built at Bowling By whom built Scott & Son Yard No. 309 When built 1930
 Engines made at Colchester By whom made Davy Paxman & Co L^d Engine No. 13752 When made 1920
 Boilers made at Glasgow By whom made David Rowan & Co. L^d Boiler No. 372 When made 1929
 REGISTERED Nominal Horse Power 90 Owners John Stewart & Co. Port belonging to Glasgow

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel _____ (Letter for Record _____)

Total Heating Surface of Boilers _____ Is forced draught fitted _____ Coal or Oil fired _____ Working Pressure _____

No. and Description of Boilers _____

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

Area of Firegrate in each Boiler _____ No. and Description of safety valves to each boiler Two direct spring
 Area of each set of valves per boiler { per Rule 13.45" as fitted 14.12" Pressure to which they are adjusted 180 lbs 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 will clear Is oil fuel carried in the double bottom under boilers No
 Smallest distance between shell of boiler and top of floor and top plating 10 1/2" Is the bottom of the boiler insulated No

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.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 { _____
 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 See Main stays: Material _____ Tensile strength _____
 Diameter { At body of stay, _____ or _____ 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 _____ 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* Working pressure by Rules

How connected to shell *Inner radius of crown* Working pressure by Rules *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*

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* *{ During erection on board vessel - - - Machinery Reports* Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)

Total No. of visits *20*

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.) *The boiler has been tried under steam, and the safety valves adjusted.*

ab
13/2/30

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

S. Manson
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 18 FEB 1930**

Assigned *See Accompanying Machinery Report*

