

REPORT ON BOILERS.

No. 18300

-8 OCT 1924

Received at London Office

Date of writing Report 30/8/24 When handed in at Local Office 2nd October, 1924 Port of Greenock
 No. in Survey held at Greenock Date, First Survey 16th October, 1923 Last Survey 2. 10 - 1924
 Reg. Book. S/S "Bellairba" (Number of Visits 67) Gross Tons Net
 on the
 Master Port Glasgow By whom built Lithgow & Co. Ltd. 1924 When built 1924
 Engines made at Greenock By whom made John & Kincaid & Co. Ltd. (604) When made 1924
 Boilers made at ditto By whom made ditto (604) When made 1924
 Registered Horse Power Bellairba Steamship Co. Ltd. Port belonging to

MULTITUBULAR BOILERS—~~MAIN, AUXILIARY OR~~ DONKEY.—Manufacturers of Steel Steel Co. of Scotland, Colvill
 (Letter for record S) Total Heating Surface of Boilers 1062 4 Is forced draft fitted no No. and Description of
 Boilers one single ended Working Pressure 100 Tested by hydraulic pressure to 200 Date of test 22. 7. 24
 No. of Certificate 1661 Can each boiler be worked separately ✓ Area of fire grate in each boiler 33.2 4 No. and Description of
 safety valves to each boiler Double Spring Area of each valve 5.94 4 Pressure to which they are adjusted 105
 Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no
 Smallest distance between boilers or uptakes and bunkers or woodwork 16" Mean dia. of boilers 11' 0" Length 10' 0"
 Material of shell plates S Thickness 5/8" Range of tensile strength 28-32 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams SR 2 long. seams TR 2 Diameter of rivet holes in long. seams 15/16" Pitch of rivets 4 1/8"
 Lap of plates or width of butt straps 6 7/8" Per centages of strength of longitudinal joint rivets 88 1/2 Working pressure of shell by
 rules 103 Size of manhole in shell 16 1/2" Size of compensating ring 27 1/2 x 23 1/2 x 1" plate 77 27 1/2
 boiler 2 plain Material S Outside diameter 39 3/16" Length of plain part 80 3/4" Thickness of plates 19 1/32"
 Description of longitudinal joint weld No. of strengthening rings ✓ Working pressure of furnace by the rules 108 Combustion chamber
 plates: Material S Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 13/16" Pitch of stays to ditto: Sides 11 1/4" Back 11 1/4"
 Top 10 1/2 x 9 1/4" If stays are fitted with nuts or riveted heads yes Working pressure by rules 105 Material of stays S Area at
 smallest part 1 1/4" Area supported by each stay 99 1/4" Working pressure by rules 102 End plates in steam space: Material S Thickness 29/32"
 Pitch of stays 19 1/8" 19 3/4" How are stays secured DN, DP Working pressure by rules 101 Material of stays S Area at smallest part 4.11"
 Area supported by each stay 100" Working pressure by rules 110 Material of Front plates at bottom S Thickness 29/32" Material of
 Lower back plate S Thickness 29/32" Greatest pitch of stays 13 1/2" Working pressure of plate by rules 105 Diameter of tubes 3 1/4"
 Pitch of tubes 4 1/2 x 4 7/16" Material of tube plates S Thickness: Front 29/32" Back 1 1/16" Mean pitch of stays 11 1/8" Pitch across wide
 water spaces 14 1/4" Working pressures by rules 135 Girders to Chamber tops: Material S Depth and thickness of
 girder at centre 4 x 14" Length as per rule 29 3/4" Distance apart 10 1/2" Number and pitch of Stays in each 2 at 9 1/4"
 Working pressure by rules 113 Steam dome: description of joint to shell % of strength of joint
 Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to
 Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,
 JOHN G. KINCAID & COY., LIMITED.
 Robert Green Secretary Manufacturer.

Is the approved plan of boiler forwarded herewith yesTotal No. of visits

Dates of Survey During progress of work in shops --
 while building During erection on board vessel --
See Machinery Report.

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

This boiler has been built under special survey in accordance with the approved plan & the workmanship & material are of good quality & it is now securely fitted on board. This Report accompanies that of the Machinery.

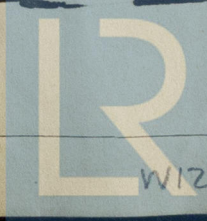
Survey Fee ... £ 4 : 4 : When applied for, 3. 10 - 1924
 Travelling Expenses (if any) £ : : When received, 3. 10 - 1924

Committee's Minute

GLASGOW

7-OCT 1924

Engineer Surveyor to Lloyd's Register of Shipping.

Assigned See accompanying machinery report

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W1279-0085