

REPORT ON BOILERS.

Sld. N^o 31628
 Gl. No. 55533

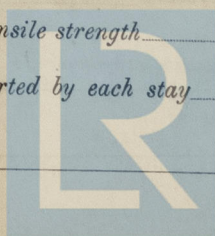
Received at London Office 20 MAR 1935

18 MAY 1935

Date of writing Report 14.3.35 When handed in at Local Office 19.3.35 Port of Glasgow
 opening
 No. in Survey held at Annan Date, First Survey 4.1.35 Last Survey 13.3.1935
 Book. on the Air Storage Tanks. n.v. Kiriemaor (Number of Visits 15)
 Tons { Gross 4970
 Net 3032
 Built at _____ By whom built _____ Yard No. _____ When built _____
 By whom made _____ Engine No. _____ When made _____
 made at Annan By whom made Cochran & Co Annan 4 Tanks
 Boiler No. K 302 When made 1935
 " 303
 Owners _____ Port belonging to _____

MULTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Golvilles & Co (Letter for Record ☒)
 Capacity one
 Heating Surface of Boilers 9 1/2 cu ft Is forced draught fitted ☒ Coal or Oil fired ☒
 and Description of Boilers 2-High Pressure Air Storage Tanks Working Pressure 600
 ed by hydraulic pressure to 800 Date of test 13.3.35 No. of Certificate 19524 Can each boiler be worked separately ☒
 a of Firegrate in each Boiler _____ No. and Description of safety valves to each boiler _____
 u of each set of valves per boiler { per Rule _____ as fitted _____ Pressure to which they are adjusted _____ Are they fitted with easing gear _____
 ase of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____
 llest distance between boilers or uptakes and bunkers or woodwork _____ Is oil fuel carried in the double bottom under boilers _____
 llest distance between shell of boiler and tank top plating _____ Is the bottom of the boiler insulated _____
 rest internal dia. of Tanks 3'-6" Length 10'-7 3/4" Shell plates: Material 8 Tensile strength 28-32
 kness 1" Are the shell plates welded or flanged no Description of riveting: circ. seams { end J.R.
 seams T.R.I.B.S. Diameter of rivet holes in { circ. seams 1 9/32" inter. hil
 { long. seams 1 9/32" Pitch of rivets { 3 7/32"
 entage of strength of circ. end seams { plate 60.2 rivets 65.6 Percentage of strength of circ. intermediate seam { plate _____ rivets _____
 entage of strength of longitudinal joint { plate 83 rivets 132 Working pressure of shell by Rules 603
 { combined 92.3
 eness of butt straps { outer 13/16" inner 15/16" No. and Description of Furnaces in each Boiler _____
 rial _____ Tensile strength _____ Smallest outside diameter _____
 th of plain part { top _____ bottom _____ Thickness of plates { crown _____ bottom _____ Description of longitudinal joint _____
 nsions of stiffening rings on furnace or c.c. bottom _____ Working pressure of furnace by Rules _____
 plates in steam space: Material 8 Tensile strength 26-30 Thickness 1 1/4" Pitch of stays ☒
 are stays secured ☒ Working pressure by Rules 740
 plates: Material { front _____ back _____ Tensile strength { _____ Thickness { _____
 pitch of stay tubes in nests _____ Pitch across wide water spaces _____ Working pressure { front _____ back _____
 rs to combustion chamber tops: Material _____ Tensile strength _____ Depth and thickness of girder _____
 tre _____ Length as per Rule _____ Distance apart _____ No. and pitch of stays _____
 ch _____ Working pressure by Rules _____ Combustion chamber plates: Material _____
 le strength _____ Thickness: Sides _____ Back _____ Top _____ Bottom _____
 of stays to ditto: Sides _____ Back _____ Top _____ Are stays fitted with nuts or riveted over _____
 ing pressure by Rules _____ Front plate at bottom: Material _____ Tensile strength _____
 ness _____ Lower back plate: Material _____ Tensile strength _____ Thickness _____
 of stays at wide water space _____ Are stays fitted with nuts or riveted over _____
 ing Pressure _____ Main stays: Material _____ Tensile strength _____
 ter { At body of stay, _____ No. of threads per inch _____ Area supported by each stay _____
 Over threads _____
 ing pressure by Rules _____ Screw stays: Material _____ Tensile strength _____
 ter { At turned off part, _____ No. of threads per inch _____ Area supported by each stay _____
 Over threads _____



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Working pressure by Rules _____ Are the stays drilled at the outer ends _____ Margin stays: Diameter { At turned off part, _____
No. of threads per inch _____ Area supported by each stay _____ Working pressure by Rules _____
Tubes: Material _____ External diameter { Plain _____ 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 _____ 4" 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 _____
Internal diameter _____ Working pressure by Rules _____ Thickness of crown _____ Rivets _____
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 _____
Number of elements _____ Material of tubes _____ Steel castings _____
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 _____

FOR COCHRAN & CO., ANNAN, LTD.
The foregoing is a correct description, *W.D.*

W.D.
GENERAL WORKS MANAGER.

Dates of Survey { During progress of work in shops - - - 1935 Jan. 4. 8. 15. 18. 22. 25. 29 _____ Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.) *yes.*
while building { During erection on board vessel - - - Feb. 8. 18. 19. 21. 28 Mar 5. 8. 13 _____ Total No. of visits 15

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.) *These air tanks have been built under special survey in accordance with the approved plan, and the Society's Rules and requirements, the materials and workmanship are good.*

They are intended for Mr. Dorford & Sons Ltd No 614.

19/3/35.

Survey Fee ... £ 4 : 4 : - } When applied for, 19
Travelling Expenses (if any) £ : : } When received, 19

MONTHLY ACCOUNT

Jas. Cairns,
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute GLASGOW 19 MAR 1935

FRI. 24 MAY 1935

Assigned TRANSMIT TO LONDON

See Old. J.E. 51628



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