

REPORT ON BOILERS.

No. 54758

25 JUL 1934

Date of writing Report 7-7-34 When handed in at Local Office 17-7-34 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 5-7-34 Last Survey 5-7-34
 No. in Book Boiler No 12454 Pakura (Number of Visits ✓) Tons Gross
 on the Boiler No 12454 Tons Net
 Master By whom built When built
 Boilers made at By whom made When made
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. 12454 Description Vertical Manufacturers of steel Cochran & Co
 Made at Annan By whom made Cochran & Co Annan When made 1934 Where fixed Working pressure 150
 Tested by hydraulic pressure to 275 Date of test 5-7-34 No. of Certificate 19401 Fire grate area 2 Spring loaded
 No. of safety valves 2 Area of each 1/2 Pressure to which they are adjusted 275 If fitted with easing gear ✓ If steam from main boilers can be used
 After the donkey boiler ✓ Diameter of donkey boiler 7'-0" Length 15'-0" Material of shell plates 8 Thickness 23/32"-13/16"
 Range of tensile strength 28-32 Description of riveting long. seams J.R.L. Diameter of rivet holes 1 1/8" Whether punched or drilled
 Pitch of rivets 3-3", 3-28"-3-5" Lap of plating 5" Per centage of strength of joint 64.9 Rivets 64.9
 Thickness of shell crown plates 17/16"-21/32" Radius of do. 3'-6" No. of stays to do. 11 Diameter of stays 1 1/8" Plates 65.6 Working pressure of shell by rules
 Furnace—Top 6'-0" Bottom 6'-0" Length of furnace 3'-1 5/8" Thickness of furnace side plates 23/32" Description of joint Stainless Working pressure
 Pressure of furnace by rules 168 Thickness of Ogee ring 1 1/8" Working pressure of Ogee ring by rules 151 Thickness of furnace plates
 Radius of do. 3'-0" Stayed by Atmosphere Diameter of uptake 15" x 23" Thickness of uptake plates
 Thickness of tube plates front 1 1/32" back 1 5/32" Mean pitch of stay tubes in nest 10.51" Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT 2 1/16" BACK 2 1/2" Working pressure of tube plates by rules F154, B171 Tubes: Material Iron
 External diameter stay 2 1/2" plain 2 9/16" Thickness stay 1 1/32" plain 10 W.G. No. of threads per inch 9 Pitch of tubes 4" x 3 3/4"
 Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring
 No. of rivets and diameter of rivet holes 36 - 1 1/8" Outer row pitch at ends 3.85"

The foregoing is a correct description.

GENERAL WORKS MANAGER.

Dates During progress of work in shops - -
Survey while building During erection on board vessel - -
 Total No. of visits Surveyor on regular attendance minimum four visits.

Drawing No. 18209

Is the approved plan of boiler forwarded herewith 70

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 and the Society's Rules and requirements, the materials and workmanship are good.

The boiler is to the order of Murray Macdonald & Co Auckland

Survey Fee ... £ 4 : 4 :
 Travelling Expenses (if any) £ : :

When applied for 19
 When received 19

Committee's Minute GLASGOW 24 JUL 1934

Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.
 TUE 26 MAR 1935
 See Lloyd's Register
1252

Lloyd's Register
 Foundation