

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
 Received at London Office
 No. in Survey held at Annan Date, First Survey 5-7-1934 Last Survey 5-7-1934
 g. Book. on the Boiler No 12454 Pakura (Number of Visits ✓) Tons ✓ Gross ✓ Net ✓
 Master Built at _____ 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 _____ Description of safety valves 2 Spring loaded
 No. of safety valves 2 Area of each 1/2 Pressure to which they are adjusted _____ If fitted with easing gear ✓ If steam from main boilers can _____
 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 65.6 Working pressure of shell by 156 Plates 65.6
 Thickness of shell crown plates 1 1/8 - 2 1/8" Radius of do. 3'-6" No. of stays to do. from Diameter of stays _____
 Length of furnace 3'-1 5/8" Thickness of furnace side plates 23/32 Description of joint stainless Working pressure of furnace by rules 168
 Thickness of Ogee ring 1 1/8" Working pressure of Ogee ring by rules 151 Thickness of furnace crown plates 23/32 Radius of do. 3'-0" Stayed by atmosphere Diameter of uptake 15" x 23" Thickness of uptake plates 9/16"
 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 2 1/2" Thickness 1 1/32" 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 28" dia x 1 3/8"
 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,
 W. Baker, Manufacturer.
 GENERAL WORKS MANAGER.

Dates During progress of work in shops - - Surveyor on regular attendance minimum four visits. Is the approved plan of boiler forwarded herewith 700
During erection on board vessel - -
 Total No. of visits _____

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 Dodson & Co Auckland

J. H. 17/7/34

MONTHLY ACCOUNT

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

Committee's Minute GLASGOW 24 JUL 1934
 Assigned TRANSMIT TO LONDON

Jash Cairns
 Engineer Surveyor to Lloyd's Register of Shipping.
 TUE 26 MAR 1935
 See def. Rpt 1252
 Lloyd's Register Foundation