

Rpt. 5b.

REPORT ON BOILERS.

No. 9407.
SAT. 15 JUL. 1916

Date of writing Report 19th Jan 1917 When handed in at Local Office July 14. 1916 Port of Middlesbrough
 No. in Survey held at Barlington Date, First Survey March 12. 1915 Last Survey June 30. 1916
 Reg. Book. on the Donkey Boiler No. 3285 S. S. "Lynemouth" SS No. 1915 Tons { Gross
 Master Built at Newcastle By whom built Wood, Skinner & Co. Ltd. When built
 Boilers made at Barlington By whom made Blake Boiler, Wagon & Eng. Co. Ltd. When made 1916
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. One Description Blake Patent Manufacturers of steel J. Spencer & Sons Ltd.
 Made at Barlington By whom made Blake Boiler, Wagon & Eng. Co. Ltd. When made 1916 Where fixed on deck Working pressure 100 lbs
 tested by hydraulic pressure to 200 Date of test 30.6.16 No. of Certificate 5661 Fire grate area 194 Description of safety valves Spring
 No. of safety valves 2 Area of each 4.9 sq Pressure to which they are adjusted 100 lbs If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler no Dia. of donkey boiler 6'-0" Length 12'-0" Material of shell plates Steel Thickness 3/32" Range of tensile
 strength 28-32 Descrip. of riveting long. seams B.R. Lap Dia. of rivet holes 13/16" Whether punched or drilled drilled Pitch of rivets 2 3/4"
 Lap of plating 4 1/4" Per centage of strength of joint Rivets 68.6 Working pressure of shell by rules 107 lbs Thickness of shell crown plates 3/32"
 Radius of do. 3'-0" No. of Stays to do. 19 Dia. of stays 1 1/2" Diameter of furnace Top 3'-0" Bottom 4'-9" Length of furnace 3'-6 1/2"
 Thickness of furnace plates 3/32 Description of joint Welded Working pressure of furnace by rules 120 lbs Thickness of furnace crown
 plates Top 1/16" Radius of do. 3'-6" Stayed by ✓ Diameter of uptake 2 1/2" Thickness of uptake plates Front 3/4"
Pitch Back 1/32" 3 5/8" Vert. 4.4" Diag. Thickness of water tubes 3/8" The foregoing is a correct description,
 SURVEY REQUEST
 No. 1144 ATTACHED

Dates of Survey while building { During progress of work in shops - { 1915: Mar 12. 25. 26. May 5. 13. 21 Jun 16. 25. Jul 7. 16. 24. Aug 20. 27. Sep 7. 23. Oct 9. 18. Nov 11. 30. Dec 13. 28.
 { During erection on board vessel - { 1916 Mar 28 Apr. 5. 27. May 11. 31. Jun 19. 30. See also Newcastle Report 69559.
 Total No. of visits 28 Is the approved plan of boiler forwarded herewith yes

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

This boiler has been constructed under Special Survey, is of good material and workmanship and has been tested by hydraulic pressure with satisfactory results.

Survey Fee ... £ 2 : 2 : When applied for, Monthly etc.
 Travelling Expenses (if any) £ 10/10 When received, 19

W. H. Field
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

TUE. FEB. - 6. 1917

Assigned

Lloyd's Register
Foundation

W169-0114