

REPORT ON BOILERS.

No. 10367.

Received at London Office
 ing Report 191 When handed in at Local Office 6.5.19 191 Port of Middlesbrough
 Survey held at Stockton-on-Tees Date, First Survey 4th July 18 Last Survey 28th Feb 1919
 on the Boiler D.161, for Admiralty Drifter "FOUNTAIN" (Number of Visits 29) Gross 13/6/20
 Built at _____ By whom built _____ When built _____
 Made at _____ By whom made _____ When made _____
 Made at Stockton By whom made Thos. Thos. Hudson & Co. Ltd (N^o 4125-A) When made _____
 Horse Power _____ Owners _____ Port belonging to _____

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel John Spencer & Sons
 or record (S) Total Heating Surface of Boilers 814 sq ft Is forced draft fitted _____ No. and Description of
One single ended Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 13.2.19
 Certificate 5968 Can each boiler be worked separately _____ Area of fire grate in each boiler 30.5 sq ft No. and Description of
 valves to each boiler 2 direct spring Area of each valve 3.98 sq in Pressure to which they are adjusted 185 lb
 fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____
 distance between ~~boilers~~ or uptakes and bunkers or ~~woodwork~~ 1 1/2" Blr lagged Inside Mean dia. of boilers 10'-0" Length 9'-6"
 of shell plates steel Thickness 27/32 Range of tensile strength 28-32 Are the shell plates welded or flanged no
 of riveting: cir. seams 2-R-lap long. seams 2 B-3 Riv Diameter of rivet holes in long. seams 15/16 Pitch of rivets 7"
 plates or width of butt straps 14" x 3/4" 5 Rivets per pitch _____ Per centages of strength of longitudinal joint _____ rivets 87.5
182 Size of manhole in shell 16" x 12" Size of compensating ring 6" x 27/32 plate 86.57 Working pressure of shell by _____
2 plain Material steel Outside diameter 38" Length of plain part 72 1/2" Thickness of plates crown 1/2"
 of longitudinal joint weld No. of strengthening rings one Working pressure of furnace by the rules 180 Combustion chamber _____
 Material steel Thickness: Sides 9/16 Back 9/16 Top 9/16 Bottom 9/16 Pitch of stays to ditto: Sides 7 1/4" x 8" Back 8" x 7 1/2"
8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 182 Material of stays steel Diameter at _____
 part 1.504 Area supported by each stay 60 Working pressure by rules 200 End plates in steam space: Material steel Thickness 7/8"
 stays 14" x 14" How are stays secured nuts Working pressure by rules 185 Material of stays steel Diameter at smallest part 3.43
 supported by each stay 189 Working pressure by rules 189 Material of Front plates at bottom steel Thickness 7/8" Material of _____
 ch plate steel Thickness 7/8" Greatest pitch of stays 14 1/4" x 7 1/2" Working pressure of plate by rules 205 Diameter of tubes 3 1/4"
 tubes 4 3/8" x 4 1/2" Material of tube plates steel Thickness: Front 7/8" Back 1/2" Mean pitch of stays 9 3/4" Pitch across wide _____
 ces 13 1/4" drilled Working pressures by rules 180 Girders to Chamber tops: Material steel Depth and thickness of _____
 centre 8" x 1 1/2" Length as per rule 28 1/4" Distance apart 7" Number and pitch of Stays in each 2 @ 8"
 pressure by rules 191 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked _____
 Diameter _____ Length _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet _____
 Pitch of rivets _____ Working pressure of shell by rules _____ Diameter of flue _____ Material of flue plates _____ Thickness _____
 d with rings _____ Distance between rings _____ Working pressure by rules _____ End plates: Thickness _____ How stayed _____
 pressure of end plates _____ Area of safety valves to superheater _____ Are they fitted with easing gear _____

REQUEST
 453. ATTACHED

The foregoing is a correct description,
 THOMAS HUDSON & CO. LIMITED
 Manufacturer.

During progress of work in shops - 1918 July 4. 5. Aug 27. Sep 5. 10. 17. 30. Oct 1. 7. Is the approved plan of boiler forwarded herewith yes Returned 10/5/19
 10. 17. 23. Nov 1. 13. 19. 22. Dec 3. 9. 13. 20. 1919.
 During erection on board vessel - Jan 7. 22. 27. Feb 4. 11. 13. 18. 25. 28. Total No. of visits 29 Return for duplicate Boiler 13/5/19

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under
Survey in accordance with the Rules, the approved plan and the specification.
materials and workmanship are sound and good and on completion the boiler was tested
hydraulic pressure with satisfactory results.
for notation see Machinery Report.

vey Fee 4-10-0 When applied for, Monthly a/c
 velling Expenses (if any) £ _____ When received, _____ 191

Robert L. Lusk
 Surveyor of British & Foreign

Committee's Minute

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FRI. JUN. 11 1920

See Hull file 41 31874

Wm Morrison & Co. Ltd
 Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
 Foundation

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