

REPORT ON BOILERS.

Alt. No. 11819.
No. 35876.

Received at London Office WED. 22 MAR. 1916

Date of writing Report 191 When handed in at Local Office 191 Port of Glasgow
No. in Survey held at Glasgow Date, First Survey 12/3/15 Last Survey 21/12/ 1915
Reg. Book. on the S.S. "Vale of Forth". (Number of Visits 8. Gross 226. Net 88.
Master Built at Aberdeen By whom built J. Guthrie & Son 419. 422. When built 1916.
Engines made at Boatbridge By whom made W. Beardsmore & Co 420. 422. When made 1916.
Boilers made at Glasgow By whom made D. Rowan & Co (B226) When made 1915
Registered Horse Power 41. Owners Vale of Leven Steam Fishing Co Ltd. Port belonging to Aberdeen.

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel James Dunlop & Co Ltd
Enter for record 1333 Total Heating Surface of Boilers 1250 Is forced draft fitted 210 No. and Description of
Boilers 1 Single ended Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 13/12/15
of Certificate 13301 Can each boiler be worked separately Area of fire grate in each boiler 38 1/2 No. and Description of
Safety valves to each boiler 1 Pressure to which they are adjusted
Are they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
Least distance between boilers or uptakes and bunkers or woodwork with Mean dia. of boilers 12'-6" Length 10'-3"
Material of shell plates steel Thickness 1 1/2" Range of tensile strength 28 to 32 Are the shell plates welded or flanged 700
Pitch of riveting: cir. seams Lap double long. seams Butte Triple Diameter of rivet holes in long. seams 1 3/16" Pitch of rivets 7.8125"
of plates or width of butt straps 17 1/2 Per centages of strength of longitudinal joint rivets 101.5 Working pressure of shell by
180 Size of manhole in shell 16" x 12" Size of compensating ring 27 1/2" x 31 1/2" No. and Description of Furnaces in each
3 plain Material steel Outside diameter 39 3/8 Length of plain part top 6'-3" Thickness of plates crown 2 5/8" bottom 2 1/4"
Description of longitudinal joint welded No. of strengthening rings 1 per part Working pressure of furnace by the rules 200 Combustion chamber
Material steel Thickness: Sides 2 1/32" Back 2 1/32" Top 2 1/32" Bottom 2 1/32" Pitch of stays to ditto: Sides 9 3/4" x 8" Back 8" x 9 3/4"
8 x 9 3/4" If stays are fitted with nuts or riveted heads rivets Working pressure by rules 188 Material of stays steel Diameter at
smallest part 1-7/16 Area supported by each stay 78" Working pressure by rules 188 End plates in steam space: Material steel Thickness 1 3/32"
of stays 23 x 17 How are stays secured 2 rivets Working pressure by rules 180 Material of stays steel Diameter at smallest part 7-06
supported by each stay 39 1/8 Working pressure by rules 188 Material of Front plates at bottom steel Thickness 2 5/8" Material of
back plate steel Thickness 2 5/32" Greatest pitch of stays 12 3/4" Working pressure of plate by rules 187 Diameter of tubes 3 1/2"
of tubes 4 1/8" x 4 3/4" Material of tube plates steel Thickness: Front 7/8" Back 3/4" Mean pitch of stays 10 12/32" Pitch across wide
spaces 18 1/2" Working pressures by rules 183 Girders to Chamber tops: Material steel Depth and thickness of
at centre 7 3/4" x 3/4" double Length as per rule 30 1/2 Distance apart 8" Number and pitch of Stays in each (2) 9 3/4"
Working pressure by rules 190 Superheater or Steam chest: how connected to boiler 220 Can the superheater be shut off and the boiler worked
separately 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
Are they fitted with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

Survey request form
No. 1613 attached
During progress of 1915-44-12-May-17-July-29-Oct-25-Nov-2-Dec-3-As the approved plan of boiler forwarded herewith Yes
Total No. of visits 8

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built
under special survey the materials and workmanship are of good
description.
Boiler has now been forwarded to Aberdeen to be fitted on board
vessel. Boiler fitted to board above named vessel, for recommendation of class. See
changed on machinery Report.
Survey Fee £ : : When applied for, 191
Travelling Expenses (if any) £ : : When received, 191
Shipping.

Committee's Minute GLASGOW 21 MAR. 1916
Signed TRANSMIT TO LONDON
See minute Book of 11819
A.M. Leand
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
Lloyd's Register Foundation
00362-003174-0032