

REPORT ON BOILERS.

Alm. Rpt. No.

No. 3845

WED. JAN. 15. 1919.

Received at London Office

Date of writing Report 28 Dec 1918 When handed in at Local Office 26.12.18

Port of Glasgow

No. in Survey held at Glasgow

Date, First Survey 7th March 1918 Last Survey 24th Dec 1918

Reg. Book.

(Number of Visits 33)

19

on the main boiler for the Drifter "Starlight"

Tons { Gross
Net

Master Built at Banff By whom built Stevenson + Asher (No 39) When built 1919 1918
 Engines made at Tayport By whom made D. & R. B. Scott & Co. (No 87) When made 1919 1918
 Boilers made at Glasgow By whom made A. & W. Dalglisch (No 736) When made 1918
 Registered Horse Power Owners The Admiralty Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Stewart + Lloyds Ltd

(Letter for record S) Total Heating Surface of Boilers 8145 Is forced draft fitted No. and Description of

Boilers One S.E. Marine Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 24.12.18

No. of Certificate 14572 Can each boiler be worked separately Area of fire grate in each boiler 30.5 No. and Description of

safety valves to each boiler Two spring loaded Area of each valve 3.97 Pressure to which they are adjusted 185 lbs

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork about 4" Inside dia. of boilers 10'0" Length 9'6"

Material of shell plates Steel Thickness 27/32 Range of tensile strength 28 to 32 Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams D.R.LAP. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 15/16 Pitch of rivets 7"

Length of plates or width of butt straps 13 3/4 Per centages of strength of longitudinal joint rivets 86.9 plate 86.6 Working pressure of shell by

rules 182 Size of manhole in shell 16"x12" Size of compensating ring 24"x28"x 27/32 No. and Description of Furnaces in each

boiler 2 Plain Material steel Outside diameter 38" Length of plain part top 72 1/2" Thickness of plates crown 23/32 bottom 3/2"

Description of longitudinal joint weld No. of strengthening rings one Working pressure of furnace by the rules 188 Combustion chamber

plates: Material steel Thickness: Sides 9/16 Back 9/16 Top 9/16 Bottom 9/16 Pitch of stays to ditto: Sides 8"x7 1/4" Back 8"x7 1/2"

Top 8"x7" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 182 Material of stays steel Diameter at

smallest part 7.5" Area supported by each stay 60" Working pressure by rules 200 End plates in steam space: Material steel Thickness 7/8"

Pitch of stays 14"x14" How are stays secured D.N.B.W. Working pressure by rules 185 Material of stays steel Diameter at smallest part 3.43"

Area supported by each stay 196" Working pressure by rules 182 Material of Front plates at bottom steel Thickness 7/8" Material of

Lower back plate steel Thickness 7/8" Greatest pitch of stays 13 1/4" Working pressure of plate by rules 230 Diameter of tubes 3 1/4"

Pitch of tubes 4 3/8"x4 1/4" Material of tube plates steel Thickness: Front 7/8" Back 21/32 Mean pitch of stays 8 5/8" Pitch across wide

water spaces 13 1/4" Working pressures by rules 310 Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 8"x9 1/2" Double Length as per rule 28 1/4" Distance apart 7" Number and pitch of Stays in each Two @ 8"

Working pressure by rules 191 Superheater or Steam chest: none connected to boiler NONE 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

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened 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

The foregoing is a correct description,

No 2069 attached

A. & W. Dalglisch Manufacturers

Dates of Survey During progress of 1918 Mar 13. 19. 21. 26. Apr 5. 11. 15. 17. 23. 30. May 4. 16. Is the approved plan of boiler forwarded herewith Yes
 while work in shops - - 24. 28. June 3. 12. 21. July 1. 8. 29. 31. Aug. 28. Sept 9.
 building During erection on 19. 23. Oct. 25. Nov. 6. 22. 26. Dec. 6. 12. 24. Total No. of visits 33

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

is good. The boiler has been built under special survey.

It has been forwarded to Aberdeen + will be fitted on board the

Admiralty Drifter, being built by Messrs Stevenson + Asher.

Banff. Their no 39. Boiler now fitted in the above vessel for recommendation of class per Dundee F.E.Rpt

Survey Fee £ 4 : 10 : When applied for, 191 N: 8120.

Travelling Expenses (if any) £ : : When received, 191

H. Wilson

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

Committee's Minute GLASGOW 14 JAN 1919

TUE. - 4 MAR. 1919

Assigned TRANSMIT TO LONDON

Lloyd's Register
Foundation

009827-009838-0149