

## REPORT ON BOILERS.

No. 41339.

Received at London Office

WED. OCT. 5 1921

Date of writing Report 1. 10. 1921 When handed in at Local Office 1. 10. 1921 Port of Glasgow  
No. in Survey held at Glasgow Date, First Survey 31st May Last Survey 26th August 1921  
Reg. Boole. on the Manoeuvring Air Reservoirs no Z 670 M/S "LOCHGOIL" (Number of Visits 4) Gross 9462 Tons Net 5873  
Master Built at Glasgow By whom built Harland & Wolff Ltd When built 1922  
Engines made at Glasgow By whom made Harland & Wolff Ltd When made 1922  
Reservoirs Boilers made at Glasgow By whom made S. W. Henderson & Co Ltd When made 1921  
Registered Horse Power Owners Royal Mail S.P.C. Port belonging to London

Manoeuvring Air Reservoirs  
~~MULTITUBULAR BOILERS~~ MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel S. Colville & Sons.

(Letter for record) Total Heating Surface of Boilers Is forced draft fitted No. and Description of  
Boilers 3 Working Pressure 356 Tested by hydraulic pressure to 712 lbs Date of test 26-8-21

No. of Certificate 15890 Can each boiler be worked separately Area of fire grate in each boiler No. and Description of  
safety valves to each boiler Area of each valve 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

Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of Reservoirs 6'-0 3/8" Length 26'-8 1/2"

Material of shell plates Thickness 1 3/32 Range of tensile strength 28/32 lbs Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams L.D.R. long. seams D.B.S. T.R. Diameter of rivet holes in long. seams 13/16 Pitch of rivets 8 3/16"

Length of plates width of butt straps 17 1/2 Per centages of strength of longitudinal joint rivets 91.9 Working pressure of shell by  
rules 348 Size of manhole in shell 16" x 12" Size of compensating ring end flanged in No. and Description of Furnaces in each

boiler Material Outside diameter Length of plain part Thickness of plates crown bottom

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

plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back

Top If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Area at

smallest part Area supported by each stay Working pressure by rules End plates in steam space: Material Thickness 1 9/32 + 1 13/32

Pitch of stays none How are stays secured Working pressure by rules 356 Material of stays Area at smallest part

Area supported by each stay Working pressure by rules 356 Material of Front plates at bottom Thickness Material of

Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes

Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide

water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of

girder at centre Length as per rule Distance apart Number and pitch of Stays in each

Working pressure by rules Steam dome: description of joint to shell % of strength of joint

Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

Survey request form

No. 2586 attached

The foregoing is a correct description,  
for S. W. Henderson & Co. Ltd.

S. W. Henderson &amp; Co. Ltd. Manufacturer.

Is the approved plan of boiler forwarded herewith Retained for completion of other nos.

Total No. of visits 4

Dates of Survey During progress of work in shops - - - 1921 May 31 July 6 Aug 24 26  
while building During erection on board vessel - - -

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

These Reservoirs have been built under Special Survey and in accordance with the Rules, the workmanship and materials are sound and good, on completion they were tested by water pressure to 712 lbs per sq inch, and were found tight and satisfactory in all respects.

Survey Fee ... £ 12 : 12 : When applied for, 1. 9. 1921.  
Travelling Expenses (if any) £ : : When received, 8. 11. 1921.

Committee's Minute

Assigned

GLASGOW 4-OCT-1921

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

GLASGOW 19 DEC 1922

See Glasgow Report

No. 42371

TUE. 16 JAN. 1923

Lloyd's Register  
Foundation

6610-59121