

REPORT ON BOILERS.

Received at London Office

14 JUL 1925

Date of writing Report 4 May 1925 When handed in at Local Office 4-5-1925 Port of Glasgow
No. in Reg. Book Survey held at Annan, Scotland Date, First Survey 12 March 1925 Last Survey 15 July 1925
MOTOR SHIP "SILVERAY"
on the Cochran Boiler No 9643 for Messrs W. Doxford & Sons, Sunderland for Contract No 153. Tons Gross 4535 Net 2626
Master Built at Sunderland By whom built J. L. Thompson & Co When built 1925
Boilers made at Annan, Scotland By whom made Messrs Cochran & Co. Annan Ltd. When made 1925
Owners Stanley & John Thompson Ltd Port belonging to London

VERTICAL DONKEY BOILER— No. One Description Cochran Type Manufacturers of steel D. Colville & Sons Ltd.
Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1925 Where fixed Engine Room Working pressure 120 lbs
tested by hydraulic pressure to 230 lbs Date of test 1/5/25 No. of Certificate 16193 Fire grate area 22.5 sq Description of safety valves Spring
No. of safety valves 2 Area of each 4.91 sq Pressure to which they are adjusted 123 lb If fitted with easing gear YES If steam from main boilers can
enter the donkey boiler ✓ Dia. of donkey boiler 6'-6" Length 16'-3" Material of shell plates steel Thickness 1/32, 3/32, 1/16 Range of tensile
strength 28/30 tons Descrip. of riveting long. seams D.R. Lap Dia. of rivet holes 29/32 Whether punched or drilled drilled Pitch of rivets 2.864"
lap of plating 4 1/2 Per centage of strength of joint Rivets 71.5% Plates 67.2% Working pressure of shell by rules 124.5 lbs Thickness of shell crown plates 15/32, 15/16
radius of do. 3'-3" No. of Stays to do. none Dia. of stays Diameter of furnace Top Hemisphere Bottom 5'-6" Length of furnace 2'-10 1/4"
thickness of furnace plates 9/16 Description of joint Seamless Ogee Ring Working pressure of furnace by rules 141 lbs Thickness of furnace crown
plates 9/16 Radius of do. 2'-9" Stayed by Hemisphere Diameter of uptake 15"x23" Thickness of uptake plates 9/16
thickness of water tube plates 3/16 Front 31/32 Back 7/8

The foregoing is a correct description,
For COCHRAN & CO., ANNAN, LIMITED
Thomas Valley. Manufacturer.

Dates During progress of work in shops - 1925 Mar 12-26 Apr 2-8 May 1
of Survey During erection on board vessel -
while building Total No. of visits 5

Copy of Is the approved plan of boiler forwarded herewith yes.

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

This boiler has been built under survey in accordance with the Rules and the approved plan; the materials and the workmanship are good.
The boiler was tested by hydraulic pressure in my presence to 230 lbs per square inch with satisfactory results.

This boiler is to the order Messrs W. Doxford & Sons, Sunderland for Contract No 153.

This boiler has now been fitted and fired on board in a satisfactory manner, it is oil fired and the oil burning arrangements have been tried under working conditions and found satisfactory.

L. N. Hale

Survey Fee ... £ 4 : 4 : When applied for, 19
Travelling Expenses (if any) £ : : When received, 19

Committee's Minute
Assigned

GLASGOW 5-MAY 1925

TRANSMIT TO LONDON

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

FRI 24 JUL 1925

Lloyd's Register
Foundation

U217-0058