

M.V. "DUNKWA"

REPORT ON BOILERS.

No. 44882

Date of writing Report

19

When handed in at Local Office 25.7.25 19

Received at London Office

23 JUL 1925

Port of Glasgow

No. in Reg. Book.

Survey held at Annan, Scotland

Date, First Survey 1st May

Last Survey 15th July 1925.

on the Cochran Boiler No 9645 for Messrs. Harland & Wolff Ltd. Belfast.

(Number of Visits 8)

Tons } Gross

Net

Master

Built at Dumbarton

By whom built Messrs. McMillan Ltd.

When built 1927

Boilers made at Annan, Scotland

By whom made Messrs. Cochran & Co. Annan Ltd.

When made 1925

Owners Messrs. The African Steam Navigation Co.

Port belonging to Liverpool

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

1927

Working pressure 100 lbs

tested by hydraulic pressure to 200 lbs

Date of test 15/7/25

No. of Certificate 6891

Fire grate area 7.5 sq ft

Description of safety valves

double spring

No. of safety valves two

Area of each 1.767 sq ft

Pressure to which they are adjusted 100 lbs

If fitted with easing gear yes

If steam from main boilers can enter the donkey boiler

Dia. of donkey boiler 3'-9"

Length 10'-0"

Material of shell plates steel

Thickness 3/8", 3/32", 3/8"

Range of tensile 2.14, 2.33, 2.29

Strength 38.3 tons

Descrip. of riveting long. seams D.R. lap

Dia. of rivet holes 23/32"

Whether punched or drilled drilled

Pitch of rivets 2.29

Cap of plating 3/4"

Per centage of strength of joint 77.4%

Plates 66.4%

Working pressure of shell by rules 142.5 lbs

Thickness of shell crown plates 15/32"

Radius of do. 3'-2"

No. of Stays to do. none

Dia. of stays

Diameter of furnace Top 3'-0"

Bottom 3'-3 1/8"

Length of furnace 2'-10 1/8"

Thickness of furnace plates 1/2", 5/16"

Description of joint S.R. lap

Working pressure of furnace by rules 149.2 lbs

Thickness of furnace crown plates 1/2"

Radius of do. 23"

Stayed by Hemisphere

Diameter of uptake 8 1/2" x 13 3/4"

Thickness of uptake plates 1/2"

Thickness of water tubes plates

Front 21/32"

Back 1/2"

The foregoing is a correct description.

For COCHRAN & CO., ANNAN, LIMITED

J.H. Woodham.

Manufacturer.

Dates

During progress of work in shops -

1925 May 18-20 24 June 9-26 July 3-10

Drawing No. 14292.

of Survey

During erection on board vessel -

while building

Total No. of visits

8

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

special survey in accordance with the approved plan and the Rules. Workmanship and material good.

Boiler placed on board and properly secured in place, safety valves afterwards adjusted under steam to above pressure, and found satisfactory.

G. E. Murdoch.

18/8/27.

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

MONTHLY ACCOUNT

A. Campbell

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

Committee's Minute GLASGOW 28 JUL 1925

GLASGOW 6 SEP 1927

Assigned TRANSMIT TO LONDON

+ L.M.C 8.27 on 1st 4694

Lloyd's Register Foundation

W 27-0066