

REPORT ON BOILERS.

No. 85591

Date of writing Report17.7.56
When handed in at Local Office17.7.56
Port ofGLASGOW

Received at London Office25 JUL 1956 29 MAY 1957

No. in Survey held atAnnan
Reg. Bookon the"AYRSHIRE"

Date, First Survey2.2.56
Last Survey21.6.1956
(Number of Visits21)

Built atBy whom builtJ.G. Kincaid & Co. Ltd.,

EngineTons

Boilers made atAnnan
By whom madeCochran & Co. (Annan) Ltd.,

Tard No. 807
When built

Owners

Port belonging to

VERTICAL DONKEY BOILER— No. One DescriptionCochran Manufacturers of steelColvilles Ltd.,

Made atAnnan
By whom madeCochran & Co. (Annan) Ltd.,

When made1956
Where fixedGREENOCK
Working pressure100

tested by hydraulic pressure to200
Date of test21.6.56
No. of Certificate24733

Total heating surface of boiler500 sq. ft.
Area of firegrate in each boiler0. F.

No. and description of safety valves on each boiler2 enclosed springs

Area of each set of valves per boiler9.82 sq. "
Pressure to which they are adjusted100 lbs

If steam from main boilers can enter the donkey boilerYes

Diameter of boiler6'-6"

Length16'-3"
Material of shell platessteel

Thickness15/32" 19/32"
Range of tensile strength28.32

Description of riveting long seamsD.R. LAP

Diameter of rivet holes27/32"
Whether punched or drilleddrilled

Pitch of rivets2.83 2.69 2.66
Lap of plating1 1/4"

Thickness of shell crown plates13/32"
Radius of do.3'-3"

No. of stays to donil
Diameter of stays

Diameter of furnace—TopBottom5'-6"
Length of furnace

Thickness of furnace side plates1/2"
Description of jointseamless

Thickness of Ogee ring7/8"

Thickness of furnace crown plates1/2"
Radius of do.2'-9"

Stayed byhemisphere
Diameter of uptake16" x 20"

Thickness of uptake plates1/2"
Thickness of tube platesfront27/32" back23/32"

Mean pitch of stay tubes in nestas approved

Pitch in outer vertical rows8"

Diameter of tube holesFRONT2.11/16" BACK2.1/2"

Tubes: Materialsteel

Pitch of Tubes3.9/16" x 4"

External diameter2.1/2"
Thickness10 LSG

No. of threads per inch9

Manhole compensationSize of opening in shell plate21" x 17"

Section of compensating ring6.21/32" x 1"

No. of rivets and diameter of rivet holes40 of 27/32"
Outer row pitch at ends4.125"

For COCHRAN & CO. ANNAN, LTD.

The foregoing is a correct description,

Technical Sales Manager

Dates of Survey while building

During progress of work in shops - 1956 Feb. 2-9-16-23- Mar. 1-4-15-22-29- Apr. 5-12-17-24- May 1-8-17-25-29-

During erection on board vessel - -

June 5-12-21-

Total No. of visits21.

Is the approved plan of boiler forwarded herewithYES.

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

This boiler has been constructed under Special Survey in accordance with the Society's Rules and approved plans.

The materials and workmanship are good.

THE BOWER HAS BEEN EFFICIENTLY INSTALLED ON BOARD THE VESSEL AND THE SAFETY VALVES WERE ADJUSTED UNDER STEAM TO BLOW AT 100 ^{lbs}/_{sq. in.}

A SATISFACTORY ACCUMULATION TEST WAS CARRIED OUT.

COMPRESSION RINGS:- OUTBOARD VALVE ¹⁹/₃₂". INBOARD VALVE ⁵/₈".

H.K. Taylor.

Survey Fee ... £ 10: - :

When applied for19

Travelling Expenses (if any) £ : :

When received19

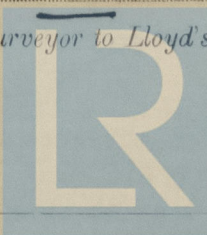
Committee's Minute

Assigned

Deferred for completion

JB Smail

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation