

REPORT ON BOILERS.

No. 62544

Date of writing Report *ASST* 19 *6-7-40* When handed in at Local Office *6-7-40* Port of *Glasgow* Received at London Office *JUL 11 1940*
 No. in Survey held at *Amman* Date, First Survey *Jan. 18th* Last Survey *July 2nd* 1940
 Reg. Book. on the *Amman* (Number of Visits *21*) (Gross Tons) (Net Tons)
 Built at *Glasgow* By whom built *Wm Wenny & Bros Ltd* Yard No. *1347* When built *1940*
 Boilers made at *Amman* By whom made *Lochan & Co Amman Ltd* Boiler No. *14531* When made *1940*
 Owners _____ Port belonging to _____

VERTICAL DONKEY BOILER— No. *one* Description *Lochan Composite* Manufacturers of steel *Lochilles Ltd*
 Made at *Amman* By whom made *Lochan & Co Amman Ltd* When made *1940* Where fixed _____ Working pressure *120 lb*
 tested by hydraulic pressure *230* Date of test *25-6-40* No. of Certificate *20591* Fire grate area *0* Description of safety valves *Enclined Spring*
 No. of safety valves *2* Area of each *7.06 sq ft* Pressure to which they are adjusted _____ If fitted with easing gear *yes* If steam from main boilers can enter the donkey boiler _____
 Diameter of donkey boiler *8'-0"* Length *21'-3"* Material of shell plates *S* Thickness *21/32, 13/16*
 Range of tensile strength *28-32* Description of riveting long. seams *DR Lap* Diameter of rivet holes *1/32* Whether punched or drilled *drilled*
 Pitch of rivets *3.14, 3.09, 3.29* Lap of plating *S* Per centage of strength of joint Rivets *636 54.6* Working pressure of shell by rules *67.2 66.8*
 Thickness of shell crown plates *1/32, 19/32* Radius of do. *4'-0"* No. of stays to do. _____ Diameter of stays _____
 Diameter of furnace—Top _____ Bottom *7'-0"* Length of furnace _____ Thickness of furnace side plates *23/32* Description of joint *Seamless* Working pressure of furnace by rules *144*
 Thickness of Ogee ring *1/32* Working pressure of Ogee ring by rules *124* Thickness of furnace crown plates *23/32* Radius of do. *3'-6"* Stayed by *Hemisphere* Diameter of uptake *21 1/2 x 25* Thickness of uptake plates *9/16*
 Thickness of tube plates front *1/4* back *1/4* Mean pitch of stay tubes in nest *8.73 6.957* Pitch in outer vertical rows *5 1/4 & 6 1/2*
 Diameter of tube holes FRONT stay *2 3/16, 1 11/16* BACK stay *2, 1 1/2* Working pressure of tube plates by rules *B 145 & 161* Tubes: Material *S*
 External diameter stay *2 1/2* plain *2 1/16, 1 13/16* Thickness stay *1/32* plain *10 LSC* No. of threads per inch *9* Pitch of tubes *2 9/8 x 2 1/16, 3.25 x 5.13*
 Working pressure by rules _____ Manhole compensation; Size of opening in shell plate *21 x 17* Section of compensating ring *7 1/2 x 1 1/32*
 No. of rivets and diameter of rivet holes *40 @ 1/32* Outer row pitch at ends *4.04*

The foregoing is a correct description,
Lochan Manufacturer
 FOR COCHRAN & CO ANNAN LTD

Dates of Survey while building
 During progress of work in shops - *1940 Jan. 18 Feb. 2, 9, 20, 28, Mar. 14, 29* Drawing No. *25114*
 During erection on board vessel - *Apr. 4, 11, 18, 25, May 2, 9, 16, 21, 30, June 7, 13, 19, 25, July 2*
 Total No. of visits *21* Is the approved plan of boiler forwarded herewith *yes*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
The workmanship and materials are good
The boiler has been constructed under special survey
To the order of Messrs Barclay Curle & Co Ltd and intended to be fitted with their engines E.W. 127
Heating surface - oil fired 590 sq ft Exhaust gas - 760 sq ft

906
6/7/40

Survey Fee £ *7* : - : } When applied for _____
 Travelling Expenses (if any) £ : : } When received _____ 19 _____

MONTHLY ACCOUNT

Committee's Minute **GLASGOW** **9 JUL 1940**
 Assigned **TRANSMIT TO LONDON**

Sh. Danks
 Engineer Surveyor to Lloyd's Register of Shipping.
 Lloyd's Register Foundation

W161-0149