

# REPORT ON BOILERS.

No. 79784

21 JAN 1953

Date of writing Report 31st Dec. 52 When handed in at Local Office 12/1 to 53. Port of GLASGOW.  
 No. in Survey held at ANNAN Date, First Survey 11<sup>th</sup> Sept. 1952 Last Survey 30<sup>th</sup> December. 1952  
 Reg. Book on the "HAYJARR" (Number of Visits 16) Gross Tons Net Tons  
 Built at Malmo By whom built Kockums Mek. Verksted. Yard No. 365 When built  
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd Boiler No. K 2987 When made 1952  
 Owners Port belonging to

**VERTICAL DONKEY BOILER** — No. One Description Exhaust Gas Manufacturers of steel Colvilles Ltd.  
 Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1952 Where fixed Working pressure 180 lb.  
 tested by hydraulic pressure to 320 Date of test 30/12/52 No. of Certificate 23788 Fire grate area Description of safety valves  
 No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can enter the donkey boiler  
 Diameter of donkey boiler 6'-6" Length 9'-7½" Material of shell plates Steel Thickness ⅝"  
 Range of tensile strength 28-32 ton Description of riveting long seams Fusion weld Class 1 Diameter of rivet holes Rivets Whether punched or drilled  
 Pitch of rivets Lap of plating Per centage of strength of joint Working pressure of shell by rules 189 lbs.  
 Thickness of shell crown plates see tube plates Radius of do. No. of stays to do. Diameter of stays Diameter of furnace—Top Bottom Length of furnace Thickness of furnace side plates Description of joint Working pressure of furnace by rules  
 Thickness of Ogee ring Working pressure of Ogee ring by rules Thickness of furnace crown plates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates  
 Thickness of tube plates top 1" bottom 2" Mean pitch of stay tubes in nest As approved Pitch in outer vertical rows  
 Diameter of tube holes top 2 3/8" bottom 2" Working pressure of tube plates by rules as approved Tubes: Material Steel  
 External diameter 2" Thickness 9 w.g. No. of threads per inch 9 Pitch of Tubes 3¼" x 3¼"  
 Working pressure by rules 300 lbs. Manhole compensation; Size of opening in shell plate 21½" x 16½" Section of compensating ring 6½" x 1" No. of rivets and diameter of rivet holes Welded Outer row pitch at ends

The foregoing is a correct description,  
*E. Rex.* Manufacturer.

Dates of Survey while building  
 During progress of work in shops 1952 Sep. 11-14-26 Oct. 2-9-16-30 Nov. 6-13-20-25 Dec. 4-9-18-23-30 Drawing No. 37450  
 During erection on board vessel  
 Total No. of visits 16 Is the approved plan of boiler forwarded herewith No.

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

*The boiler has been constructed under Special Survey in accordance with the Rules of the Society and the approved plan. Weld tests & radiographs found satisfactory materials and workmanship are good.  
 The boiler is being despatched to Malmo.*

Survey Fee ... £ 12 : - : - } MONTHLY ACCOUNT  
 Travelling Expenses (if any) £ : : : }  
 When applied for 19  
 When received 19

GLASGOW

20 JAN 1953

AB

Committee's Minute

Assigned

*Deferred for completion*

Engineer Surveyor to Lloyd's Register of Shipping.

TUESDAY 11 MAY 1954

See Rpt. 4 b.

Lloyd's Register Foundation