

NOV 13 1937

Rpt. 5e.

Sld. N° 32235

Sld. No. 58665

AUG 11 1937

REPORT ON BOILERS.

Date of writing Report 21-7-37 When handed in at Local Office 3-8-37 Port of Glasgow
 No. in Survey held at Amman Date, First Survey 1-4-37 Last Survey 30-7-37
 Reg. Book. Boiler N° 13538 M.V. "ETTRICKBANK" (Number of Visits 15) (Gross 5138)
 on the Boiler N° 13538 M.V. "ETTRICKBANK" Tons (Net 3040)
 Master Amman Built at Amman By whom built Wm. Bayford & Sons Ltd. When built 1937
 Boilers made at Amman By whom made Cochran & Co. (Amman) Ltd. When made 1937
 Owners Inver Transport & Trading Co. Ltd. Port belonging to Glasgow

VERTICAL DONKEY BOILER— No. 1 Description Cochran Manufacturers of steel Steel Co. S'land
 Made at Amman By whom made Cochran & Co. Amman When made 1937 Where fixed Upper boiler Working pressure 120
 tested by hydraulic pressure to 230 Date of test 30-7-37 No. of Certificate 19987 Fire grate area 2 Description of safety valves 2 direct Spring
 No. of safety valves 2 Area of each 4.06" Pressure to which they are adjusted 120 If fitted with easing gear No If steam from main boilers can
 enter the donkey boiler No Diameter of donkey boiler 8'-0" Length 18'-6" Material of shell plates 8 Thickness 2 1/32" - 1 3/16"
 Range of tensile strength 28-32 Description of riveting long. seams D.R.L. Diameter of rivet holes 1 1/32" Whether punched or
 drilled drilled Pitch of rivets 3-16", 3-16", 3-16" Lap of plating 5" Per centage of strength of joint 66.2 Working pressure of shell by
 rules 126.5 Thickness of shell crown plates 1 3/32" - 1 1/32" Radius of do. 4'-0" No. of stays to do. from Diameter of stays 1 1/2" Diameter of
 furnace—Top Bottom Length of furnace 23 3/32" Thickness of furnace side plates 8' class Description of joint 8' class Working
 pressure of furnace by rules 144 Thickness of Ogee ring 1 3/32" Working pressure of Ogee ring by rules 124 Thickness of furnace
 crown plates 2 3/32" Radius of do. 3'-6" Stayed by hemispherical Diameter of uptake 21 1/2" x 25" Thickness of uptake
 plates 9/16" Thickness of tube plates front 1 1/4" back 1 1/4" Mean pitch of stay tubes in nest 9.47, 8.72, 8.3" Pitch in outer vertical rows 5 1/4" - 6.374"
 Diameter of tube holes FRONT 1 1/2" - 2" BACK 1 1/2" - 2" Working pressure of tube plates by rules F122 F126 B196 B161 Tubes: Material 8
 External diameter 1 1/2" - 2" Thickness 1 1/2" - 2" No. of threads per inch 9 Pitch of tubes 2 1/8" x 2 5/8", 3-13" x 3-18"
 Working pressure by rules 216 Manhole compensation; Size of opening in shell plate 16" x 12" Section of compensating
 ring 28" dia x 3 1/32" No. of rivets and diameter of rivet holes 36 - 1 1/32" Outer row pitch at ends 3.89"

FOR COCHRAN & CO., AMMAN.
 The foregoing is a correct description,
 T. J. Foster
 WORKS MANAGER.

Dates of Survey while building { During progress of work in shops - 1937 Apr.: 1-8-15-22-30 May: 6-11-20-27 June: 4-8 Drawing No. 22614
 { During erection on board vessel - 24 July: 8-15-30
 Total No. of visits 15 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 Society's Rules and requirements the materials and workmanship are good.

3/8/37 This boiler has been securely fixed on board the vessel, examined under steam, safety valves adjusted to working pressure & accumulation test. Carried out Satisfactorily.

In recommendation please see Enclos. Rpt.

To the order of Wm. Bayford & Sons 7: yard N° 637. Wm. Bayford

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 10 AUG 1937
 Assigned TRANSMIT TO LONDON

Jas. Cairns
 Engineer Surveyor to Lloyd's Register of Shipping.
 Sld. N° 32235
 Lloyd's Register Foundation