

REPORT ON BOILERS.

61406
No. 59643

Received at London Office APR 20 1938

Date of writing Report 19 When handed in at Lloyd's Office 15: 4: 10 38 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 16: 12: 37 Last Survey 14: 4: 1938
 Reg. Book. on the M/V "CAPE CLEAR" (Number of Visits 15) Gross 5085
 Master Built at Port Glasgow By whom built Lilligors Ltd No 906 When built 1938
 Boilers made at Annan By whom made Buchanan & Co Annan Ltd No 13936 When made 1938
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description Buchanan Composite Manufacturers of steel Lilligors Ltd
 Made at By whom made When made Where fixed Stokehole Working pressure 120
 tested by hydraulic pressure to 230 Date of test 14-4-38 No. of Certificate 20161 Fire grate area oil Description of safety valves Enclosed Spring
 No. of safety valves 2 Area of each 7.06 sq Pressure to which they are adjusted 120 lbs If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler Diameter of donkey boiler 8' 0" Length 19' 3" Material of shell plates steel Thickness 2 1/2" 1 3/4"
 Range of tensile strength 28-32 tons Description of riveting long seams WR Lap Diameter of rivet holes 1 1/2" Whether punched or
 drilled Pitch of rivets 3.145, 3.093, 3.29 Lap of plating 5" Per centage of strength of joint Rivets 63.6 Working pressure of shell by
 rules 121 Thickness of shell crown plates 3 1/2" 1 1/2" 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 3 1/2" Description of joint seamless Working
 pressure of furnace by rules 144 Thickness of Ogee ring 1 1/2" Working pressure of Ogee ring by rules 124 Thickness of furnace
 crown plates 2 3/2" Radius of do. 3' 6" Stayed by Hemisphere Diameter of uptake 21 1/2" x 25" Thickness of uptake
 plates 9 1/16" Thickness of tube plates front 1 1/2" back 1 1/4" Mean pitch of stay tubes in nest 9.48, 8.3, 9.05 Pitch in outer vertical rows 5 1/2" & 6 1/2"
 Diameter of tube holes FRONT stay 2 3/16" 1 1/16" BACK stay 2" 1 1/2" Working pressure of tube plates by rules F 122 B 196 Tubes: Material HOT ROLLED
 External diameter stay 2" 1 1/2" Thickness plain 10 1/2" No. of threads per inch 9 Pitch of tubes 2 5/8" x 2 7/16" 3.13" x 3.25"
 Working pressure by rules 215 lbs Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating
 ring 2' 4" dia x 3 1/2" No. of rivets and diameter of rivet holes 36 @ 1 1/2" Outer row pitch at ends 3' 8 1/2"

FOR COCHRAN & CO. ANNAN, LTD.
 The foregoing is a correct description,
 LaRex. Manufacturer.
 WORKS MANAGER

Dates of Survey while building During progress of work in shops - 1937 Dec: 16-30 (1938) Jan: 6-13, 20-25 Feb: 8-9-16 Drawing No. E. 34848
 During erection on board vessel - Mar: 3-16-24-31 Apr: 8-14
 Total No. of visits 15
 Is a copy of the approved plan of boiler forwarded herewith REPORT
 Duplicate of boiler No 13534 fitted in s/s Kapara, Gls No 58786

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

The materials and workmanship are good.
 The boiler has been constructed under special survey -
 to the order of Messrs David Rowan & Co. Ltd Glasgow. for their contract No 1020

15/4/38.

The boiler has been satisfactorily fitted in the vessel and its safety valves adjusted
 as required.
 W. Davis 10th Aug 1938

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

MONTHLY ACCOUNT

W. Davis
 Engineer-Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 19 APR 1938

Assigned TRANSMIT TO LONDON

Lloyd's Register
 W 163-0170