

REPORT ON BOILERS.

No. 60855

MAR 22 1939

Received at London Office

Date of writing Report 19/9 1939 When handed in at Local Office 20.3. 1939 Port of Glasgow
 No. in Survey held at Dopenhagen Date, First Survey 24.3.38 Last Survey 14.3.1939
 Reg. Book. 1954 on the Twin S. Motor vessel 'SOMMERDYK' (Number of Visits 28) Tons { Gross 9227.14
 Master W. S. A. Aarvik Built at Odense By whom built Odense Staalskibsværft N° 99 When built 1939
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd N° 14044-5 When made 1939
 Owners W. S. A. Aarvik H. S. V. Maats. Port belonging to Rotterdam

VERTICAL DONKEY BOILER— No. Two Description Cochran Manufacturers of steel W. & A. Miles Ltd
 Made at Annan By whom made Cochran & Co. Annan Ltd When made 1939 Where fixed on platform deck Working pressure 100
 tested by hydraulic pressure to 200 Date of test 14.3.39 No. of Certificate 14044-5 Fire grate area 20362 Description of safety valves Enclaved spring
 No. of safety valves 2 Area of each 4.9" Pressure to which they are adjusted 100 lbs. If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no
 Diameter of donkey boiler 6'-6" Length 14'-6" Material of shell plates S Thickness 1 1/2" 2 1/2"
 Range of tensile strength 28-32 tons Description of riveting long seams DR Lap Diameter of rivet holes 29/32" Whether punched or drilled drilled Pitch of rivets 2.86" 2.82" 2.78" Lap of plating 4 1/2" Per centage of strength of joint Rivets 69.6 Working pressure of shell by rules 67.46
 rules 125 Thickness of shell crown plates 15/32" 21/32" Radius of do. 3'-3" No. of stays to do. Diameter of stays Diameter of furnace—Top Bottom 5'-6" Length of furnace Thickness of furnace side plates 1/2" Description of joint Seamless Working pressure of furnace by rules 125 Thickness of Ogee ring 27/32" Working pressure of Ogee ring by rules 101 Thickness of furnace crown plates 1/2" Radius of do. 2'-9" Stayed by hemisphere Diameter of uptake 15" x 23" Thickness of uptake plates 9/16" Thickness of tube plates front 13/16" back 23/32" Mean pitch of stay tubes in nest 11.54" Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F101-8-81079 Tubes: Material steel
 External diameter stay 2 1/2" plain 2 1/16" Thickness stay 11/32" plain 10/32" No. of threads per inch 9 Pitch of tubes 4" x 3 9/16"
 Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 2'-4" dia x 27/32" No. of rivets and diameter of rivet holes 36 @ 29/32" Outer row pitch at ends 3.94"

FOR COCHRAN & CO., ANNAN, LTD.
 The foregoing is a correct description,
 W. S. A. Aarvik, Manufacturer.

Dates of Survey while building
 During progress of work in shops— 1938 Mar.: 24.31 Apr.: 8.14.20.29 May.: 6.10.19.23 June.: 2.9.15 Drawing No. 23574
 During erection on board vessel— 30 July.: 7 Aug.: 4.11 Sep.: 1 Oct.: 4 Nov.: 4.9 Dec.: 6.22 (1939) Jan.: 6 Feb.: 9.28 Mar.: 9.14
 Total No. of visits 28 Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
 The materials and workmanship are good.
 The boilers have been constructed under special survey.
 They are being sent to Holland to be fitted in the vessel.

The donkey boilers have been fitted on board the vessel under special survey and connected complete.
 The safety valves adjusted under steam to 100 lbs. per sq. inch.
 For feeding purposes two Weir's feed pumps, 4.6" x 7" simplex, have been fitted.

W. S. A. Aarvik
 SURVEYOR TO LLOYD'S REGISTER OF SHIPPING

Survey Fee ... £ 8 : 8 : When applied for ... 19...
 Travelling Expenses (if any) £ : : When received ... 19...

MONTHLY ACCOUNT

Sh. Dan's
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 21 MAR 1939**
 Assigned **TRANSMIT TO LONDON**

Lloyd's Register Foundation
 004042-004048-0149