

# REPORT ON BOILERS.

999  
No. L 9887  
27 NOV 1929

Date of writing Report 21-6-1930 When handed in at Local Office 26-11-1929 Port of Glasgow  
No. in Survey held at Annan AND MALMO Date, First Survey 28-8-29 Last Survey 22-11-1929  
Reg. Book. SUPPL. 42561 on the BOILER No 11391. STEEL T.S.M.S. "TRITON" (Number of Visits 8+4) Gross 6607 Tons Net 4045  
Master Built at MALMO By whom built KOCKUMS M.V. A-B. When built 1930  
Boilers made at Annan By whom made Messrs. Cochran & Co. Annan Ltd. When made 1929  
Owners A/S DEN NORSKE AFRIKA OG AUSTRALIELINIE Port belonging to TÖNSBERG  
A/S TANKFART I.D.V.F.

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel D. Colville & Sons Ltd.  
Made at Annan By whom made Cochran & Co. Annan Ltd. When made 1929 Where fixed IN MOTOR ROOM Working pressure 100.  
tested by hydraulic pressure to 200 Date of test 22-11-29 No. of Certificate 18520 Fire grate area 94 # Description of safety valves Enclosed spring  
No. of safety valves 2 Area of each 1.76" 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 4'-3" Length 11'-0" Material of shell plates Steel Thickness 3" 7" 8"  
Range of tensile strength 28-32 Description of riveting long seams D.R. lap Diameter of rivet holes 23/32" Whether punched or drilled drilled Pitch of rivets 2-339, 2-308, 2-375 Lap of plating 3 3/4" Per centage of strength of joint Rivets 75 Working pressure of shell by Plates 69.4  
rules 131-39 Thickness of shell crown plates 9/16" Radius of do. 4'-3" No. of stays to do Diameter of stays 5/8" Diameter of furnace—Top 3'-4 1/2" Bottom 3'-9" Length of furnace 20 1/2" Thickness of furnace side plates 1/2" Description of joint S.R. lap Working pressure of furnace by rules 151.5 Thickness of Ogee ring Working pressure of Ogee ring by rules Thickness of furnace crown plates 3/4" Radius of do. 23" Stayed by Hemisphere Diameter of uptake 9 1/4" x 15 3/4" Thickness of uptake plates 3/4" Thickness of tube plates front 19/32" back 7/32" Mean pitch of stay tubes in nest 9-125 Pitch in outer vertical rows 7 1/4"  
Diameter of tube holes FRONT stay 2 1/8" BACK stay 2 1/8" Working pressure of tube plates by rules F. 103.5 Tubes: Material Wrought Iron  
external diameter stay 2 3/8" Thickness stay 11/32" No. of threads per inch 9 Pitch of tubes 3 1/2" x 3 7/8"  
Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating g 4 1/2" x 1/8" No. of rivets and diameter of rivet holes 42 off 23/32" Outer row pitch at ends 4"

The foregoing is a correct description.  
For COCHRAN & CO. ANNAN, LIMITED  
J. C. Woodham Manufacturer.

Dates During progress of work in shops— 1929 Aug 28 Sept 13-27 Oct 30 Nov 6 13 22  
Survey while building During erection on board vessel— 1930:— 29/4, 31/5, 6/6, 18/6  
Total No. of visits 8+4

Drawing No. 14390.

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 Survey in accordance with the Rules and approved plan. The materials and workmanship are good. This boiler has been built to the order of Messrs. Kockums, Mek. Verkstads Aktiebolag. for their M.S. 164.

This donkey boiler has been fitted onboard under my supervision and to my satisfaction. All feed, steam and other pipes have been tested as per Rule and the safety valves have been adjusted under steam as above. A donkey pump 63x50x63 mm dbl. and an injector are fitted

Adundew

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW  
Assigned TRANSMIT TO LONDON

26 NOV 1929

John S. Macdonald.  
Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 27 JUN 1930

Lloyd's Register  
Foundation

W129-0092