

REPORT ON BOILERS.

No. 42049
WED. JUL. 5 1922

Received at London Office

Writing Report 1st July 1922 When handed in at Local Office 3rd July 1922 Port of Glasgow
 in Survey held at Glasgow Date, First Survey 23rd June Last Survey 27th June 1922
 Book. 959 on the Donkey Boilers of the ex-german S.S. "NICARISTAN" ex "Siyatalawa" (Number of Visits 2) Gross 5883
 Tons } Net 3675
 Built at Vege sack By whom built Bremer Vulkan When built 1912
 Boilers made at So. By whom made So. So. When made 1912
 Repairs made at So. By whom made So. So. When made 1912
 Registered Horse Power _____ Owners A. B. Strick & Co. Ltd. Port belonging to London

WATER TUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY. - Manufacturers of Steel

Number for record (r) Total Heating Surface of Boilers 1076 ft² Is forced draft fitted no No. and Description of Boilers 1 - single ended cylindrical return tube Working Pressure 121 lbs./in² Tested by hydraulic pressure to _____ Date of test _____
 of Certificate Can each boiler be worked separately ✓ Area of fire grate in each boiler 45.2 ft² No. and Description of valves to each boiler 2: direct spring Area of each valve not ascertained Pressure to which they are adjusted 121 lbs./in²
 they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no
 Smallest distance between boilers or uptakes and bunkers or woodwork well clear Mean dia. of boilers 11'-11.7" Length 10'-1.65"
 Material of shell plates steel Thickness .78" Range of tensile strength 27.9-33 tons Are the shell plates welded or flanged no
 Grip of riveting: cir. seams D.R. Lap long. seams T.R. I.B.S. Diameter of rivet holes in long. seams .94" Pitch of rivets 6.18"
 Width of plates or width of butt straps 14.17" Per centages of strength of longitudinal joints 90.0 Working pressure of shell by _____
138 lbs. Size of manhole in shell 15.74" x 11.81" Size of compensating ring 2'-11.5" x 2'-7.5" No. and Description of Furnaces in each boiler 3 - plain Material steel Outside diameter 3'-1.44" Length of plain part 6'-11" Thickness of plates .67"
 Description of longitudinal joint weld No. of strengthening rings ✓ Working pressure of furnace by the rules 140 lbs. Combustion chamber _____
 Material steel Thickness: Sides .57" Back .55" Top .57" Bottom .86" Pitch of stays to ditto: Sides 8.66" x 7.08" Back 6.89" x 7.67"
7.87" x 8.66" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 142 lbs. Material of stays iron Area at _____
 Smallest part 1.42 in² Area supported by each stay 64.8 in² Working pressure by rules 196 lbs. End plates in steam space: Material steel Thickness .78"
 Area supported by each stay 217 in² Working pressure by rules 200 lbs. Material of Front plates at bottom steel Thickness .88" Material of _____
 over back plate steel Thickness .70" Greatest pitch of stays d = 17" Working pressure of plate by rules 136 lbs. Diameter of tubes 3.26"
 Pitch of tubes 4.41" x 4.48" Material of tube plates steel Thickness: Front .88" Back .78" Mean pitch of stays 8.82" x 8.96" Pitch across wide _____
 between spaces 14.17" x 8.96" Working pressures by rules 120 lbs. Girders to Chamber tops: Material steel Depth and thickness of _____
 order at centre 2 @ 7.67" x .51" Length as per rule 2'-2.77" Distance apart 7.87" Number and pitch of Stays in each 2 @ 8.66"
 Working pressure by rules 152 lbs. Steam dome: description of joint to shell _____ % of strength of joint _____
 Diameter _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____
 Pitch of rivets _____ Working pressure of shell by rules _____ Crown plates _____ Thickness _____ How stayed _____

SUPERHEATER. Type _____ Date of Approval of Plan _____ Tested by Hydraulic Pressure to _____
 Date of Test _____ Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler _____
 Diameter of Safety Valve _____ Pressure to which each is adjusted _____ Is Easing Gear fitted _____
 Thickness of Safety Valve adjusting washers: 3/8" Ford. 5/16" aft. The foregoing is a correct description, _____
 Manufacturer. _____

Dates { During progress of } 1922 Jun 23-27. Is the approved plan of boiler forwarded herewith yes
 Survey { work in shops - - }
 while { During erection on }
 building { board vessel - - } Total No. of visits 2

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This is an ex-german vessel now submitted for classification: further particulars on accompanying Repair Report & Reports by Falmouth Surveyors.

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

Committee's Minute _____
 Assigned Transmit to London
 GLASGOW 4 - JUL 1922
 J. D. Boyle
 Engineer Surveyor to Lloyd's Register of Shipping.
 See Vol 6109
 Lloyd's Register Foundation
 U202-0102