

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*
 Built at *Vegesack* By whom built *Bremer Vulkan* Tons Net *3675*
 When made *1912*
 When made *1912*
 Owners *A. B. Strick & Co. Ltd.* Port belonging to *London*
 Registered Horse Power

LITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

For record (r) Total Heating Surface of Boilers *1076 ft²* Is forced draft fitted *no* No. and Description of
 1- *single-ended cylindrical return tube* Working Pressure *121 lbs./in.²* 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
 by valves to each boiler *2: direct spring* Area of each valve *not ascertained* Pressure to which they are adjusted *121 lbs./in.²*
 they fitted with easing gear *yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *no*
 least 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. D.B.S.* Diameter of rivet holes in long. seams *.94"* Pitch of rivets *6.18"*
 of plates or width of butt straps *14.17"* Per centages of strength of longitudinal joint *combined 90.0* Working pressure of shell by
138 lbs. Size of manhole in shell *15.74" x 11.81"* Size of compensating ring *2'-11.2" x 2'-7.2"* No. and Description of Furnaces in each
 3- *plain* Material *steel* Outside diameter *3'-1.44"* Length of plain part *top 6'-11"* Thickness of plates *bottom 7'-6"* *.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 7.48"* Back *8.66" x 6.69"*
 If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *142 lbs.* Material of stays *iron* Area at
 least 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"*
 ch of stays *15.74" x 13.78"* How are stays secured *2 nuts* Working pressure by rules *126 lbs.* Material of stays *steel* Area at smallest part *5.15 in²*
 ea 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"*
 ch 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
 ster spaces *14.17" x 8.96"* Working pressures by rules *120 lbs.* Girders to Chamber tops: Material *steel* Depth and thickness of
 der 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 *✓*
 ch of rivets *✓* Working pressure of shell by rules *✓* Crown plates *✓* Thickness *✓* How stayed *✓*

PERHEATER. 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.*
 Survey { work in shops - - -
 while { During erection on
 building { board vessel - - -

Is the approved plan of boiler forwarded herewith *yes.*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

GLASGOW

4-JUL 1922

Assigned

Transmit to London

FRI JUL 7 1922

See Sal 6109

Lloyd's Register
Foundation

U202-0102