

## REPORT ON BOILERS.

No. 6619.

Received at London Office

13 MAR 1928

Date of writing Report 12-3-1928, When handed in at Local Office

191 Port of PLYMOUTH

No. in Survey held at Dartmouth.

Date, First Survey

Last Survey

14th Febry. 1928.

Reg. Book.

(Number of Visits)

Gross 129.4.  
Tons Net Nil.

on the Steel Screw Lug "EL TIGIL".

Master ✓ Built at Dartmouth. By whom built Philip &amp; Son. Ltd. When built 1928.

Engines made at Dartmouth. By whom made Philip &amp; Son. Ltd. When made 1928.

Boilers made at Hebburn-on-Tyne. By whom made Palmer's S.B. &amp; Iron Co., Ltd. When made 1928.

Registered Horse Power Owners Sudan Government. Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel ✓

(Letter for record) Total Heating Surface of Boilers ✓ Is forced draft fitted No. No. and Description of

Boilers 1 S.B. Working Pressure 150 lb. Tested by hydraulic pressure to ✓ Date of test ✓

No. of Certificate ✓ Can each boiler be worked separately ✓ Area of fire grate in each boiler ✓ No. and Description of

safety valves to each boiler 2 Spring loaded. Area of each valve 4.04 sq. ft. Pressure to which they are adjusted 150 lb. ✓

Are they fitted with easing gear Yes. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓

Smallest distance between boilers or uptakes and bunkers on woodwork 5". Mean dia. of boilers ✓ Length ✓

Material of shell plates ✓ Thickness ✓ Range of tensile strength ✓ Are the shell plates welded or flanged ✓

Descrip. of riveting: cir. seams ✓ long. seams ✓ Diameter of rivet holes in long. seams ✓ Pitch of rivets ✓

Lap of plates or width of butt straps ✓ Per centages of strength of longitudinal joint rivets ✓ Working pressure of shell by plate ✓

rules Size of manhole in shell Size of compensating ring No. and Description of Furnaces in each

boiler ✓ Material ✓ Outside diameter ✓ Length of plain part top ✓ Thickness of plates crown ✓ bottom ✓

Description of longitudinal joint ✓ No. of strengthening rings ✓ Working pressure of furnace by the rules ✓ Combustion chamber

plates: Material ✓ Thickness: Sides ✓ Back ✓ Top ✓ Bottom ✓ Pitch of stays to ditto: Sides ✓ Back ✓

Top ✓ If stays are fitted with nuts or riveted heads ✓ Working pressure by rules ✓ Material of stays ✓ Diameter at

smallest part ✓ Area supported by each stay ✓ Working pressure by rules ✓ End plates in steam space: Material ✓ Thickness ✓

Pitch of stays ✓ How are stays secured ✓ Working pressure by rules ✓ Material of stays ✓ Diameter at smallest part ✓

Area supported by each stay ✓ Working pressure by rules ✓ Material of Front plates at bottom ✓ Thickness ✓ Material of

Lower back plate ✓ Thickness ✓ Greatest pitch of stays ✓ Working pressure of plate by rules ✓ Diameter of tubes ✓

Pitch of tubes ✓ Material of tube plates ✓ Thickness: Front ✓ Back ✓ Mean pitch of stays ✓ Pitch across wide

water spaces ✓ Working pressures by rules ✓ Girders to Chamber tops: Material ✓ Depth and thickness of

girder at centre ✓ Length as per rule ✓ Distance apart ✓ Number and pitch of Stays in each ✓

Working pressure by rules ✓ Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building During progress of work in shops - - 1927. Dec. 21. 1928. Jan. 4. Feb. 14. Total No. of visits 4.

Is the approved plan of boiler forwarded herewith Yes.

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

This boiler has been installed in the vessel in accordance with the Rules and has been tried under working conditions and found satisfactory. The safety valves have been adjusted under steam to the working pressure as above.

Survey Fee ... £ : / : When applied for, 191

Travelling Expenses (if any) £ ✓ : / : When received, 191

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

TUES. 27 MAR 1928

Committee's Minute

FRI. 16 MAR 1928

Assigned

See p. 8 of attached

002876-002882-0016

Lloyd's Register  
Foundation