

# REPORT ON BOILERS.

No. 1830

Received at London Office

Port of Barrow in Furness When handed in at Local Office 26<sup>th</sup> Jan<sup>y</sup> 1920  
 Date, First Survey 1<sup>st</sup> August 1918 Last Survey 20<sup>th</sup> Jan<sup>y</sup> 1920  
 (Number of Visits 60) Gross Tons Net  
 Built at Barrow in Furness By whom built Vickers Ltd. When built 1920  
 By whom made Vickers Ltd. when made 1920  
 Owners Anglo Saxon Oil Co Port belonging to

ULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D. Colville & Sons, H. Bessemer & Co.

(5) Total Heating Surface of Boilers 5112 sq. ft. Is forced draft fitted No. and Description of 16-6-19  
Single Ended, Multitubular Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 3-7-19  
291-293 Can each boiler be worked separately Area of fire grate in each boiler 63.3 sq. ft. No. and Description of

Area of each valve  Pressure to which they are adjusted

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

between boilers or uptakes and bunkers or woodwork Inside dia. of boilers 15'-6" Length 11'-6"

plates Steel Thickness 1 1/4" Range of tensile strength 28/32 tons Are the shell plates welded or flanged No

g: cir. seams D.R. Lap Along seams J.R. Double Butt Diameter of rivet holes in long. seams 1 5/16" Pitch of rivets 9 1/8"

width of butt straps 19 1/2" Per centages of strength of longitudinal joint 88.3% Working pressure of shell by 85.6%

Size of manhole in End plate 16" x 12" Size of compensating ring Flanged No. and Description of Furnaces in each

Material Steel Outside diameter 4'-2 3/16" Length of plain part top Thickness of plates crown 19/32"

udinal joint Weld No. of strengthening rings  Working pressure of furnace by the rules 188 lbs Combustion chamber

Steel Thickness: Sides 23/32" Back 1 1/16" Top 23/32" Bottom 23/32" Pitch of stays to ditto: Sides 10 3/8" x 9 1/4" Back 10 1/4" x 8 3/4"

are fitted with nuts or riveted heads Nuts Working pressure by rules 180 lbs Material of stays Steel Diameter at Area

Area supported by each stay 98 sq. in. Working pressure by rules 219 lbs End plates in steam space: Material Steel Thickness 1 1/32"

How are stays secured Double Nuts Working pressure by rules 199 lbs Material of stays Steel Diameter at smallest part 8-29 sq. in.

each stay 446 sq. in. Working pressure by rules 193 lbs Material of Front plates at bottom Steel Thickness 3/32" Material of

Steel Thickness 2 1/32" Greatest pitch of stays 13 5/8" x 8 3/4" Working pressure of plate by rules 187 lbs Diameter of tubes 2 3/4"

Material of tube plates Steel Thickness: Front 3 1/32" Back 3/4" Mean pitch of stays 9 7/8" Pitch across wide

Working pressures by rules 181 lbs Girders to Chamber tops: Material Steel Depth and thickness of

Length as per rule 35.56" Distance apart 10 5/8" Number and pitch of Stays in each 3-9 1/4"

rules 187 lbs Superheater or Steam chest; how connected to boiler None Can the superheater be shut off and the boiler worked

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

Working pressure of shell by rules  Diameter of flue  Material of flue plates  Thickness

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

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

FOR VICKERS LIMITED

The foregoing is a correct description,

John Burns Manufacturer.

1918 Aug 1, 24, Sept 13, 24, 29, Oct 4, 14, 18, 28 Nov 1, 8, 15, 25, 27.  
 Is the approved plan of boiler forwarded herewith yes  
 Attached to Barrow R.P. 1829  
 Total No. of visits 60

REMARKS (State quality of workmanship, opinions as to class, &c. These two boilers have been built

survey in accordance with the approved plan, & the materials & workman  
 and good. They have been tested by hydraulic pressure to 360 lbs per sq.  
 satisfactory results, & when efficiently fitted on board, will be eligible  
 for the working pressure of 180 lbs per sq. inch.

When applied for, 8<sup>th</sup> Dec<sup>r</sup> 1919  
 When received, 7<sup>th</sup> April, 1920

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

Minute  
 for classing committee



Lloyd's Register  
 Foundation

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