

REPORT ON BOILERS.

No. 1830

Received at London Office

Port of Barrow in Furness When handed in at Local Office 26th Jan^y 1920 Port of Barrow in Furness
 held at Barrow in Furness Date, First Survey 1st August 1918 Last Survey 20th Jan^y 1920
 (Number of Visits 60) } Gross
 Tons } Net
 % Speedonia
 Built at _____ By whom built _____ When built _____
 By whom made _____ when made _____
Barrow in Furness By whom made Vickers Ltd. (Pls. No 560) when made 1920
 Owners Anglo Saxon Oil Co Port belonging to _____

STEAM 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 _____
Single Ended, Multitubular Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 16-6-19
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 _____

plates Steel Thickness 1 1/4" Range of tensile strength 28/32 tons Are the shell plates welded or flanged No
 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 _____
 rivets 88.3% Working pressure of shell by plate 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 _____
 Thickness of plates crown 19/32" bottom _____
 No. of strengthening rings _____ Working pressure of furnace by the rules 188 lbs Combustion chamber _____

Stays are fitted with nuts or riveted heads Nuts Working pressure by rules 180 lbs Material of stays Steel Diameter at _____
 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 + Washers Working pressure by rules 199 lbs Material of stays Steel Diameter at smallest part 8.29 in
 Working pressure by rules 193 lbs Material of Front plates at bottom Steel Thickness 3/32" Material of _____

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"
 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 _____
 Area of safety valves to superheater _____ Are they fitted with easing gear _____

FOR VICKERS LIMITED
The foregoing is a correct description,

John Berry Manufacturer.

1918 Aug 1, 24, Sept 13, 24, 29, 30, Oct 4, 14, 18, 28 Nov 1, 8, 15, 25, 27.
 Is the approved plan of boiler forwarded herewith yes
 Attached to Barrow RP 1919
 Total No. of visits 60

REMARKS (State quality of workmanship, opinions as to class, &c.) These two boilers have been built
in accordance with the approved plan, & the materials & workman
ship are of good quality. They have been tested by hydraulic pressure to 360 lbs per sq.
inch & satisfactory results, & when efficiently fitted on board, will be eligible
for the working pressure of 180 lbs per sq inch.

When applied for, 8th Dec^r 1919
 When received, 7th April, 1920

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

Minute _____
 for classing committee _____



W601-0295