

## REPORT ON BOILERS.

No. 15565

Date of writing Report 6-10-27 When handed in at Local Office 6-10-27 Port of *Grimby* Received at London Office -7 OCT 1927 30 MAY 1928

No. in Survey held at *Lincoln* Date, First Survey 21st June 1927 Last Survey 28<sup>th</sup> Sept 1927

Reg. Book. *Two Donkey Boilers for Yard No. 518 (VANCOLITE)* (Number of Visits 10) Gross ☒ Net ☒

on the *Imperial Oil Co Ltd.* Built at *Glasgow* By whom built *A. Stephen & Sons Ltd.* When built ☒

Boilers made at *Lincoln* By whom made *Habcock & Beloe Ltd.* When made 1927

Owners *Imperial Oil Co Ltd.* Port belonging to ☒

VERTICAL DONKEY BOILERS No. 38/45-04 Description *Clarkson Waste Heat* Manufacturers of steel *Parkgate 10 & Co*

Made at *Lincoln* By whom made *Habcock & Beloe Ltd.* When made 1927 Where fixed *Frodingham 10 & Co.*

Tested by hydraulic pressure to 200 lb Date of test 28/9/27 No. of Certificates 216 Fire grate area ☒ Working pressure 100 lb

No. of safety valves *Two* Area of each 3.14 sq. ft. Pressure to which they are adjusted *not adjusted* Description of safety valves *Spring loaded*

After the donkey boiler ☒ Dia. of donkey boiler 4'-0" Length 7'-8 1/2" Material of shell plates *Ph. S.* Thickness 1 1/32" Range of tensile *25 1/16*

Length 28/32 Descrip. of riveting long. seams *D. K. Lap joint* Dia. of rivet holes 3/4" Whether punched or drilled *Drilled* Pitch of rivets *2 5/16*

Up of plating 3 5/8" Percentage of strength of joint Rivets 83.9% Plates 68.8% Working pressure of shell by rules 125 lb Thickness of shell crown plates 1 3/32"

Dia. of do. 3'-8" No. of Stays to do. ☒ Dia. of stays *inside* Diameter of furnace Top 3'-0 3/8" Bottom ☒ Length of furnace 6'-4 1/8"

Thickness of furnace plates 3/4" Description of joint *Lap welded* Working pressure of furnace by rules 109 lb Thickness of furnace crown *5/16*

es 9/16" Radius of do. 3'-0" Stayed by ☒ Diameter of uptake 1'-6" Thickness of uptake plates *5/16*

Thickness of water tubes 9 Gauge B.W. ☒

The foregoing is a correct description.

Dates During progress of work in shops - 1927 Jun 21-28 Jul 6-15-21 Aug 5-18-31 Sep 2-28

Survey While board vessel -

Building Total No. of visits 10

Is the approved plan of boiler forwarded herewith *ho. appd. 5/5/27*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These Donkey Boilers have been built under special survey and in accordance with the approved plans. The materials and workmanship are good. These boilers are eligible for notation with date when fitted in the above vessel and their safety valves adjusted under steam.

Survey Fee ... £ 8 : 8 : When applied for, 1-9-27

Travelling Expenses (if any) £ 1 : 16 : When received, 5-12-27

*Lowry*

Committee's Minute GLASGOW 29 MAY 1928

Signed *See Glasgow Report No. 48017.*

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



Lloyd's Register Foundation