

REPORT ON BOILERS.

No. 59701

Received at London Office

MAY -5 1938

Date of writing Report 19 2.5.38 When handed in at Local Office 2.5.38 Port of Glasgow

No. in Survey held at Annan Date, First Survey 16.9.37 Last Survey 20.4.38
 Reg. Book. on the Annan (Number of Visits 4) Tons Gross Net

Master Sorel Quebec Built at Sorel Quebec By whom built Imaine Industries Ltd When built 1938

Boilers made at Annan By whom made Buchan & Co Annan Ltd (N° 13708) When made 1938

Owners Imperial Oil Tankers Ltd Port belonging to

VERTICAL DONKEY BOILER— No. one Description Buchan Manufacturers of steel Steel bo of Scotland

Made at By whom made When made Where fixed Working pressure 100 lb

tested by hydraulic pressure to 200 Date of test 20.4.38 No. of Certificate 20110 Fire grate area 22.50 Description of safety valves Enclosed spring

No. of safety valves 2 Area of each 4.90 Pressure to which they are adjusted If fitted with easing gear yes If steam from main boilers can enter the donkey boiler

Range of tensile strength 28.32 kms Description of riveting long seams DR Lap Diameter of rivet holes 3/32 Whether punched or drilled

Pitch of rivets 2.66", 2 1/16", 2 13/16" Lap of plating 4 1/4" Per centage of strength of joint Rivets 69.7 Working pressure of shell by plates 68.2

rules 110 Thickness of shell crown plates 3/32", 13/32" Radius of do. 3.3" No. of stays to do. Diameter of stays Diameter of furnace—Top Bottom 5.6" Length of furnace Thickness of furnace side plates 3" Description of joint beams Working pressure of furnace by rules 125 Thickness of Ogee ring 27/32" Working pressure of Ogee ring by rules 101 Thickness of furnace crown plates 1/2" Radius of do. 2.9" Stayed by hemisphere Diameter of uptake 15" x 23" Thickness of uptake plates 9/16" Thickness of tube plates front 13/32" back 23/32" Mean pitch of stay tubes in nest 13.01" Pitch in outer vertical rows 8.88"

Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F120.B126 Tubes: Material Iron

External diameter stay 2 1/2" Thickness stay 11/32" No. of threads per inch 9 Pitch of tubes 3 9/16" x 4 7/16" full

Working pressure by rules 125 Manhole compensation; Size of opening in shell plate 16" x 12" Section of compensating ring 2-4 dia x 1/16" No. of rivets and diameter of rivet holes 36 @ 27/32" Outer row pitch at ends 3.969"

The foregoing is a correct description, W. J. Foster Manufacturer.

Dates of Survey while building { During progress of work in shops - - } 1937 Sep. 16 (1938) Apr. 8. 14. 20 Drawing No. 23670

{ During erection on board vessel - - }
 Total No. of visits 4 Is the approved plan of boiler forwarded herewith yes

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

The materials and workmanship are good
The boiler has been constructed under special survey. It will be sent to Canada to be fitted in the vessel

Survey Fee / ... £ 4 : 4 : When applied for 19

Travelling Expenses (if any) £ : : When received 10

Committee's Minute GLASGOW 4 - MAY 1938

Assigned TRANSMIT TO LONDON

MONTHLY ACCOUNT

See Encl. 78. 4230

Lloyd's Register of Shipping Foundation

61757-01 1765-0193