

REPORT ON BOILERS

No. 39014

Received at London Office WED. AUG. 13. 1919

Date of writing Report 1919 When handed in at Local Office 9. 8. 1919 Port of Glasgow

No. in Survey held at 10. 7. 17 Last Survey 24. 7. 1919
 (Number of Visits 46) } Gross
 Reg. Book. on the Standard Boil } Net

Master By whom built Ramsey & Ferguson When built

Engines made at By whom made When made

Boilers made at Paisley By whom made A. F. Craig & Co Ltd (6/18/1920) When made 1919

Registered Horse Power Owners Port belonging to

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

Letter for record S Total Heating Surface of Boilers 6420 sq ft Is forced draft fitted Yes No. and Description of Boilers 3 Single Ended Marine Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 27. 6. 19
14799 14813 14834 Can each boiler be worked separately Area of fire grate in each boiler 57.7 sq ft No. and Description of safety valves to each boiler

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

Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 13'-10 1/8" Outside Length 11'-8 7/16"

of shell plates S Thickness 1 1/8" Range of tensile strength 28/32 Are the shell plates welded or flanged No.

of riveting: cir. seams D.R. Lap long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1 3/16" Pitch of rivets 8 1/2"

plates or width of butt straps 1'-6" Per centages of strength of longitudinal joint rivets 86.1 Working pressure of shell by 184.1 Size of manhole in shell 16" x 12" Size of compensating ring none No. and Description of Furnaces in each

3 Brighton Material S Outside diameter 3'-4" Length of plain part top — Thickness of plates crown 1 1/2" bottom 1 3/32"

tion of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 190 Combustion chamber

Material S Thickness: Sides 1 1/16" Back 3/4" Top 1 1/16" Bottom 1 1/16" Pitch of stays to ditto: Sides 9 3/8" x 9" Back 10 1/2" x 9"

9" x 9" If stays are fitted with nuts or riveted heads without nuts Working pressure by rules 194 Material of stays S Diameter at

part 2.36 Area supported by each stay 108 sq in Working pressure by rules 225 End plates in steam space: Material S Thickness 1 1/32"

stays 1'-11 3/4" x 1'-7 1/2" How are stays secured S.N. & radius Working pressure by rules 181.1 Material of stays S Diameter at smallest part 3 1/4"

supported by each stay 4420 sq in Working pressure by rules 182.4 Material of Front plates at bottom S Thickness 3 3/32" Material of

back plate S Thickness 2 1/32" Greatest pitch of stays 1'-1 1/2" x 9" Working pressure of plate by rules 184 Diameter of tubes 2 3/4"

tubes 4" x 4" Material of tube plates S Thickness: Front 3 3/32" Back 3/4" Mean pitch of stays 12" x 8" Pitch across wide

spaces 1'-1 1/2" Working pressures by rules 184.5 Girders to Chamber tops: Material S Depth and thickness of

at centre 10 1/2" x 3 1/4" Length as per rule 2'-11 1/2" Distance apart 9 3/8" Number and pitch of Stays in each 3 @ 9"

Working pressure by rules 181 Superheater or Steam chest; how connected to boiler — Can the superheater be shut off and the boiler worked

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

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

lined 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 —

vey request form 2017 attached

The foregoing is a correct description, Wm F. Murray Manufacturer.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built in Special Survey in accordance with the approved plan & the rules of the Society. The materials & workmanship are good. The boilers have been patterned to suit for fitting on board at that Port.

Survey Fee ... £ 1/6 2/3 When applied for, 1919

Travelling Expenses (if any) £ : : When received, 1919

Committee's Minute GLASGOW 12 AUG 1919 FRI. 12 MAR. 1920

Signed TRANSMIT TO LONDON FRI. MAR 26 1920

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