

# REPORT ON BOILERS.

No. 58760

Received at London Office AUG 25 1937

Date of writing Report 19 When handed in at Local Office 21.8.1937 Port of Glasgow

No. in Reg. Book. Survey held at Glasgow Date, First Survey Last Survey 14-8-1937

on the S.S. OPEPE (Number of Visits) Tons Gross 362 Net 131

Master Built at Bowling By whom built Scott & Sons Ltd. Yard No. 342. When built 1937

Engines made at Clydebank By whom made Aitchison Blair Ltd. Engine No. 209 When made 1937

Boilers made at Glasgow By whom made D. Rowan & Co. Ltd. Boiler No. B430 When made 1937

Nominal Horse Power 79 Owners Frontier Town S.S. Co. Ltd. Port belonging to Newry

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY, OR DONKEY.~~ See Gls Report No. 58508.

Manufacturers of Steel (Letter for Record)

Total Heating Surface of Boilers Is forced draught fitted Coal or Oil fired

No. and Description of Boilers Working Pressure 205

Tested by hydraulic pressure to Date of test No. of Certificate Can each boiler be worked separately

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler Double Spring

Area of each set of valves per boiler {per Rule 8.47 as fitted 9.8 Pressure to which they are adjusted 205 Are they fitted with easing gear Yes

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 2ft Is oil fuel carried in the double bottom under boilers

Smallest distance between shell of boiler and SHELL tank top plating 2ft 6in Is the bottom of the boiler insulated Yes

Largest internal dia. of boilers Length Shell plates: Material Tensile strength

Thickness Are the shell plates welded or flanged Description of riveting: circ. seams {end inter. long. seams Diameter of rivet holes in {circ. seams long. seams Pitch of rivets

Percentage of strength of circ. end seams {plate rivets Percentage of strength of circ. intermediate seam {plate rivets

Percentage of strength of longitudinal joint {plate rivets combined Working pressure of shell by Rules

Thickness of butt straps {outer inner No. and Description of Furnaces in each Boiler

Material Tensile strength Smallest outside diameter

Length of plain part {top bottom Thickness of plates {crown bottom Description of longitudinal joint

Dimensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules

End plates in steam space: Material Tensile strength Thickness Pitch of stays

How are stays secured Working pressure by Rules

Tube plates: Material {front back Tensile strength Thickness

Mean pitch of stay tubes in nests Pitch across wide water spaces Working pressure {front back

Girders to combustion chamber tops: Material Tensile strength Depth and thickness of girder

at centre Length as per Rule Distance apart No. and pitch of stays

in each Working pressure by Rules Combustion chamber plates: Material

Tensile strength Thickness: Sides Back Top Bottom

Pitch of stays to ditto: Sides Back Top Are stays fitted with nuts or riveted over

Working pressure by Rules Front plate at bottom: Material Tensile strength

Thickness Lower back plate: Material Tensile strength Thickness

Pitch of stays at wide water space Are stays fitted with nuts or riveted over

Working Pressure Main stays: Material Tensile strength

Diameter {At body of stay, or Over threads No. of threads per inch Area supported by each stay

Working pressure by Rules Screw stays: Material Tensile strength

Diameter {At turned off part, or Over threads No. of threads per inch Area supported by each stay



