

REPORT ON BOILERS.

No. 54690

Received at London Office

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Date of writing Report 22.6.1934 when handed in at Local Office 23.6.1934 Port of Glasgow

No. in Survey held at 6 bank, Gls. & Bowling Date, First Survey 13.2.34 Last Survey 21-6-1934

on the S.S. "Broon" (Number of Visits 28) Tons {Gross 347 Net 121

Boiler made at Bowling By whom built Scott & Sons Yard No. 325 When built 1934

Engines made at Blydebank By whom made Rutherford Blair & Co Engine No. 186 When made 1934

Boilers made at Glasgow By whom made D. Rowan & Co Boiler No. 392 When made 1934

Indicated Horse Power 79 Owners Kieckul S.S. Co. Ltd Port belonging to Henry

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY. See Gls Report No 54408

Manufacturers of Steel (Letter for Record)

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

Type and Description of Boilers 1. Multitubular. 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 1. double spring loaded.

Area of each set of valves per boiler {per Rule 8.44 as fitted 9.8"} Pressure to which they are adjusted 210 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 42" Is oil fuel carried in the double bottom under boilers no

Smallest distance between shell of boiler and tank top plating Open floors Is the bottom of the boiler insulated no.

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.}

Working pressure of shell by Rules

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

Percentage of strength of longitudinal joints {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

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

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

Distance apart No. and pitch of stays

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



