

REPORT ON BOILERS.

No. 57753

Received at London Office **8 DEC 1936**

Date of writing Report 19 When handed in at Local Office 5.12.1936 Port of Glasgow.

No. in Survey held at Glasgow Date, First Survey ✓ Last Survey 28-11-1936
on the S.S. "Crossgar" (Number of Visits ✓) Tons { Gross 661
Net 287

Registered at Glasgow Built at Glasgow By whom built A. J. Inglis Yard No. 988P When built 1936
Engines made at Glydebank By whom made Aitchison Blair & Co. Engine No. 205 When made 1936
Boilers made at Glasgow By whom made D. Kowan & Co. Ltd. Boiler No. B421 When made 1936
Nominal Horse Power 104 Owners John Kelly Ltd Port belonging to Belfast

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Material of Steel See Gls Report N: 57368. (Letter for Record ✓)

Total Heating Surface of Boilers 1834 sq ft Is forced draught fitted no Coal or Oil fired Coal ✓

No. and Description of Boilers 1 - multitubular Working Pressure 200 ✓

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

Area of Firegrate in each Boiler 56.4 sq ft No. and Description of safety valves to each boiler D. S. Z.

Area of each set of valves per boiler { per Rule 10.6
as fitted 11.878 } Pressure to which they are adjusted 200 lb 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 7.5" Is oil fuel carried in the double bottom under boilers no tank

Smallest distance between shell of boiler and tank top plating no tank 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 _____ } 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 _____ }

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

Distance between centres _____ Length as per Rule _____ 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 _____



