

REPORT ON BOILERS.

No. 50586

Received at London Office 25 JUN 1930

Date of writing Report 16 June 1930 When handed in at Local Office 21.6.30 Port of Glasgow

No. in Reg. Bobk. Survey held at Glasgow Date, First Survey 26.5.30 Last Survey 7.6.30

on the Air Receiver No 5197 - M.V. 'LAUREL' (Number of Visits 4) Tons { Gross - 100 1/4 Net -

Master - Built at Glasgow By whom built Rydewood & Co. Yard No. 28. When built 1930.

Engines made at RECEIVER. By whom made Wilson Boilermakers Ltd. Engine No. - When made -

Boilers made at Glasgow By whom made Wilson Boilermakers Ltd. Boiler No. 5197 When made 1930

Nominal Horse Power - Owners - Port belonging to -

MULTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel (Shell & stays) James Dunlop & Co. Ltd. (Ends) Comstock Iron & Steel Co. Ltd. (Letter for Record -)

Capacity About 560 \$ Is forced draught fitted - Coal or Oil fired -

No. and Description of Boilers One Rinted Receiver Working Pressure 215 lb

Tested by hydraulic pressure to 430 lb Date of test 7.6.30 No. of Certificate 18747. Can each boiler be worked separately -

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

Area of each set of valves per boiler {per Rule as fitted} Pressure to which they are adjusted - 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 - Is oil fuel carried in the double bottom under boilers -

Smallest distance between shell of boiler and tank top plating - Is the bottom of the boiler insulated -

Largest internal dia. of Rec. 6'-9" Length 17'-0" Shell plates: Material S. Tensile strength 28/32 T.J.

Thickness 3/4" Are the shell plates welded or flanged No. Description of riveting: circ. seams {end Double inter. 3/8"}

long. seams Triple/D.B.S. Diameter of rivet holes in {circ. seams 1 1/16" long. seams 15/16" Pitch of rivets {5/4"}

Percentage of strength of circ. end seams {plate 66.0 rivets 62.1} Percentage of strength of circ. intermediate seam {plate 66.0 rivets 62.1}

Percentage of strength of longitudinal joint {plate 83.70 rivets 88.14 combined 80.54} Working pressure of shell by Rules 23 1/2 lb

Thickness of butt straps {outer 3/4" inner 3/4" 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 ce. bottom Working pressure of furnace by Rules -

End plates in steam space: Material S. Tensile strength 26/30 T.J. Thickness 1/8" Pitch of stays None

How are stays secured Dished Ends. Radius 5'-0" Working pressure by Rules 23 1/2 lb

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



