

# REPORT ON BOILERS.

Received at London Office 29 OCT 1930

Date of writing Report

10

When handed in at Local Office

27.10.1930

Port of

Glasgow

No. in Reg. Book.

Survey held at

Glasgow

Date, First Survey

1.7.30

Last Survey

24.10.1930

(Number of Visits 34)

Gross 9600

Net 946

on the S/S "MAURICE ROSE"

Master Built at Glasgow By whom built D & W. Henderson & Co Ltd Yard No. 906 When built 1930

Engines made at Glasgow By whom made D & W. Henderson & Co Ltd Engine No. 906 When made 1930

Boilers made at Glasgow By whom made D & W. Henderson & Co Ltd Boiler No. 906 When made 1930

Nominal Horse Power 232 Owners R. Hughes & Co Port belonging to Liverpool

## MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Gutehoffnungshütte a. S. Oberhausen. Vereinigte Stahlwerke a. S. Hütte Ruhrort-Meinerich  
David Colville & Sons Ltd & James Dunlop & Co Ltd (Letter for Record S)

Total Heating Surface of Boilers 4366 sq ft Is forced draught fitted no Coal or Oil fired coal

No. and Description of Boilers Two single ended Working Pressure 180

Tested by hydraulic pressure to 320 Date of test 23.9.30 22.9.30 No. of Certificate 18829 18828 Can each boiler be worked separately yes

Area of Firegrate in each Boiler 66 sq ft No. and Description of safety valves to each boiler Two improved high lifts

Area of each set of valves per boiler {per Rule 7 sq ft as fitted 7.940 sq ft Pressure to which they are adjusted 185 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 5'-0" Is oil fuel carried in the double bottom under boilers no

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

Largest internal dia. of boilers 14'-6" Length 10'-9" Shell plates: Material steel Tensile strength 28-32 tons

Thickness 1 3/32" Are the shell plates welded or flanged no Description of riveting: circ. seams {end WR inter. -

long. seams NBS TR Diameter of rivet holes in {circ. seams 1 1/2" long. seams 1 1/4" Pitch of rivets {4 3/4" 8 7/8"

Percentage of strength of circ. end seams {plate 68.5 rivets 50.1 Percentage of strength of circ. intermediate seam {plate rivets

Percentage of strength of longitudinal joint {plate 85.9 rivets 87.5 combined 93 Working pressure of shell by Rules 186

Thickness of butt straps {outer 15/16" inner 1 1/16" No. and Description of Furnaces in each Boiler Three Deighton

Material steel Tensile strength 26-30 tons Smallest outside diameter 45.125"

Length of plain part {top bottom Thickness of plates {crown 3 9/16" bottom 3 1/16" Description of longitudinal joint welded

Dimensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules 180

End plates in steam space: Material steel Tensile strength 26-30 tons Thickness 1 1/8" Pitch of stays 18" x 18"

How are stays secured DN Working pressure by Rules 181

Tube plates: Material {front steel back " Tensile strength {26-30 tons Thickness {1" 13/16"

Mean pitch of stay tubes in nests 11 1/2" Pitch across wide water spaces 14" Working pressure {front 180 back 180

Girders to combustion chamber tops: Material steel Tensile strength 28-32 tons Depth and thickness of girder

at centre 2 @ 8 1/8" x 11/16" Length as per Rule 31.6" Distance apart 8 1/2" No. and pitch of stays

in each 3 @ 8" Working pressure by Rules 185 Combustion chamber plates: Material steel

Tensile strength 26-30 tons Thickness: Sides 11/16" Back 19/32" Top 11/16" Bottom 11/16"

Pitch of stays to dimo: Sides 8 x 8 1/2" Back 8 x 8" Top 8 x 8 1/2" Are stays fitted with nuts or riveted over nuts in ces only

Working pressure by Rules 191 Front plate at bottom: Material steel Tensile strength 26-30 tons

Thickness 1" Lower back plate: Material steel Tensile strength 26-30 tons Thickness 25/32"

Pitch of stays at wide water space 14" Are stays fitted with nuts or riveted over nuts on marginal stays only

Working Pressure 190 Main stays: Material steel Tensile strength 28-32 tons

Diameter {At body of stay, 2 7/8" or Over threads No. of threads per inch 6 Area supported by each stay 3240"

Working pressure by Rules 188 Screw stays: Material steel Tensile strength 26-30 tons

Diameter {At turned off part, 1 1/2" or Over threads No. of threads per inch 9 Area supported by each stay 680"

