

REPORT ON BOILERS.

Air Tanks.

Sld No. 31608
Sld No. 55328

Received at London Office 23 JAN 1935

Date of writing Report 16-1-1935 When handed in at Local Office 19-1-1935 Port of Glasgow

No. in Survey held at Amman Date, First Survey 4-10-34 Last Survey 15-1-1935
Reg. Book.

on the Air Storage Tanks Nos 268-269. (Number of Visits 16) Tons {Gross Net

Master Built at By whom built Yard No. When built

Engines made at By whom made Engine No. When made

Tanks made at Amman By whom made Buchanan & Co Amman L^g Boiler Nos K268 K269 When made 1935

Nominal Horse Power Owners Port belonging to

MULTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel *Bohrillers & Co* (Letter for Record)

Total Heating Surface of Boilers *capacity one 92 cub ft.* Is forced draught fitted Coal or Oil fired

No. and Description of Boilers *2-High Pressure air storage tanks* Working Pressure 600

Tested by hydraulic pressure to 800 Date of test 15-1-35 No. of Certificate 19496 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 *tanks* *3'-6"* Length *10'-8"* Shell plates: Material *S* Tensile strength *28-32*

Thickness *1"* Are the shell plates welded or flanged *No* Description of riveting: circ. seams {end J.R. inter. *file*

Long. seams *T.R.D.B.S.* Diameter of rivet holes in {circ. seams *1 9/32"* long. seams *1 9/32"* Pitch of rivets { *3 7/32"* *7 1/2"*

Percentage of strength of circ. end seams {plate *61* rivets *62* Percentage of strength of circ. intermediate seam {plate rivets

Percentage of strength of longitudinal joint {plate *83* rivets *126* combined *92.3* Working pressure of shell by Rules *603*

Thickness of butt straps {outer *13/16"* inner *15/16"* 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 *S* Tensile strength *26-30* Thickness *1 1/4"* Pitch of stays *none*

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



