

REPORT ON BOILERS.

No. 132467

Received at London Office.....

Date of writing Report 7.2.1951 When handed in at Local Office 7.2.1951 Port of Liverpool

No. in Survey held at Bunker Lead Date, First Survey 26/6/49 Last Survey 30-1951

on the single screw Tug "GENERAL SAN MARTIN" (Number of Visits.....) Gross 12767 Tons Net 7408

Built at Bunker Lead By whom built Cammell, Laird & Co. Ltd Yard No. 1203 When built 1951

Engines made at Bunker Lead By whom made Cammell, Laird & Co. Ltd Engine No. 1203 When made 1951

Boilers made at Bunker Lead By whom made Cammell, Laird & Co. Ltd Boiler No. 1203 When made 1951

MM Nominal Horse Power 483 Owners Yacimientos Petroliferos Fiscales Port belonging to Buenos Aires

MULTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Colvilles, Ltd (Letter for Record S)

Total Heating Surface of Boilers 5800 sq ft = 2 boilers Of Superheaters -

Total for Register Book - Is forced draught fitted yes Coal or Oil fired oil

No. and Description of Boilers Two Simple ended return tube Working Pressure 150 lb

Tested by hydraulic pressure to 275 lb Date of test 1.5.50 No. of Certificate 2473-4 Can each boiler be worked separately yes

Area of Firegrate in each Boiler - No. and Description of safety valves to each boiler one double 2 3/4" Improved High Lift

Area of each set of valves per boiler { per Rule 11.2 sq in as fitted 11.8 sq in Pressure to which they are adjusted 150 lb Are they fitted with easing gear yes

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no

Smallest distance between boilers or uptakes and bunkers or woodwork well clear Is oil fuel carried in the double bottom under boilers no

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

Largest internal dia. of boilers 15'-6" Length 12'-0" Shell plates: Material Steel Tensile strength 29-33 T/10"

If fusion welded, state name of welding Firm - Have all the requirements of the Rules for Class I vessels been complied with - Thickness 1 1/8" Are the shell plates welded or flanged no Description of riveting: circ. seams { end D.R. inter -

Long. seams T.R. double butt straps Diameter of rivet holes in { circ. seams 1 1/8" long. seams 1 1/8" Pitch of rivets { 2.94" 7 7/8"

Percentage of strength of circ. end seams { plate 61 rivets 50 Percentage of strength of circ. intermediate seam { plate - rivets -

Percentage of strength of longitudinal joint { plate 85.7 rivets 88 combined 89

Thickness of butt straps { outer 1 5/16" inner 1 1/8" No. and Description of Furnaces in each Boiler Three Dighton section

Material Steel Tensile strength 26-30 T/10" Smallest outside diameter 3'-10 7/8"

Length of plain part { top - bottom - Thickness of plates 9/16" Description of longitudinal joint Weld

Dimensions of stiffening rings on furnace or c.c. bottom -

End plates in steam space: Material Steel Tensile strength 26-30 T/10" Thickness 1 3/32" Pitch of stays 22" x 17 1/2"

How are stays secured Double nut + outside washers

Tube plates: Material { front Steel back Steel Tensile strength { 26-30 T/10" 26-30 T/10" Thickness { 7/8" 13/16"

Mean pitch of stay tubes in nests 11 1/4" x 7 3/4" Pitch across wide water spaces 13 1/2"

Girders to combustion chamber tops: Material Steel Tensile strength 28-32 T/10" Depth and thickness of girder at centre 12 1/2" x 1 1/4" Length as per Rule 3'-1 1/2" Distance apart 9" No. and pitch of stays

In each Welded to c.c. top Combustion chamber plates: Material Steel

Tensile strength 26-30 T/10" Thickness: Sides 2 1/32" Back 1/16" Top 2 1/32" Bottom 7/8"

Pitch of stays to ditto: Sides 9 1/2" x 9 1/2" Back 9 3/4" x 9 1/2" Top Welded Are stays fitted with nuts or riveted over nuts

Front plate at bottom: Material Steel Tensile strength 26-30 T/10"

Thickness 7/8" Lower back plate: Material Steel Tensile strength 26-30 T/10" Thickness 7/8"

Pitch of stays at wide water space 15" x 9 1/2" Are stays fitted with nuts or riveted over nuts

Main stays: Material Steel Tensile strength 28-32 T/10"

Diameter { At body of stay 3" Over threads - No. of threads per inch 6

Screw stays: Material Steel Tensile strength 26-30 T/10"

Diameter { At turned off part 1 5/8" Over threads - No. of threads per inch 9

Lloyd's Register
Foundation