

Rpt. 5a.

REPORT ON BOILERS.

No. 5501

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Date of writing Report 21/3/1922 When handed in at Local Office 25/3/1922 Port of Marseilles

No. in Reg. Book. Survey held at Marseilles Date, First Survey Aug 29th/21 Last Survey 14/3/1922

on the new boilers for type ss Loucheur (3 in No per Set) (Number of Visits 10) Tons {Gross Net

Master _____ Built at _____ By whom built _____ Yard No. _____ When built _____

Engines made at _____ By whom made _____ Engine No. _____ When made _____

Boilers made at Marseilles By whom made Chantiers Navals et Chaud^{re} du Midi Boiler Nos 20-21 When made 1922

Nominal Horse Power _____ Owners Le Ministre de la Reconstitution Industrielle Port belonging to _____

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel David Colville & Co. (Letter for Record (5))

Total Heating Surface of Boilers 35.3m sq per boiler Is forced draught fitted no Coal or Oil fired Coal

No. and Description of Boilers 3 per set, Accelerated Circ^{le} Tube type 3 SB. Working Pressure 14 K^{lb} = 199 lb.

Tested by hydraulic pressure to 24 K^{lb}/sq in Date of test 14/3/22 No. of Certificates 5-20/21/22 Can each boiler be worked separately yes

Area of Firegrate in each Boiler 3.795 No. and Description of safety valves to each boiler 2 Spring loaded

Area of each set of valves per boiler {per Rule 5.9 sqm 8.48.7 as fitted 4.35 each 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 boilers 3.700 Length 3.230 (OVERALL) Shell plates: Material Steel Tensile strength 46 K

Thickness 24.5 Are the shell plates welded or flanged no Description of riveting: circ. seams {end DR inter. _____

long. seams T.R.D.B.S. Diameter of rivet holes in {circ. seams 31 long. seams 31 Pitch of rivets {LONGth 108 _____

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 85% rivets 91.5% combined _____ Working pressure of shell by Rules 203 lb^o

Thickness of butt straps {outer 22 inner 22 No. and Description of Furnaces in each Boiler 2 Morrison

Material Steel Tensile strength 40 K Smallest outside diameter 1.132 (6mm corr^{ed})

Length of plain part {top _____ bottom _____ Thickness of plates {crown 16 bottom _____ Description of longitudinal joint Welded

Dimensions of stiffening rings on furnace or c.c. bottom _____ Working pressure of furnace by Rules 204 lb^o

End plates in steam space: Material Steel Tensile strength 44 K Thickness 24 Pitch of stays 440 m/m 360. bet. rows

How are stays secured DN & W. (rivetted) Working pressure by Rules 230 lb^o

Tube plates: Material {front Steel back Steel Tensile strength { 40 K Thickness { 24.5

Mean pitch of stay tubes in nests 214 Pitch across wide water spaces 350 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 Steel Tensile strength 40 K

Thickness 24.5 Lower back plate: Material Steel Tensile strength 40 K Thickness 24.5

Pitch of stays at wide water space no c.c. Are stays fitted with nuts or riveted over _____

Working Pressure _____ Main stays: Material Steel Tensile strength 40 K

Diameter {At body of stay, 40 or _____ No. of threads per inch 8 Area supported by each stay 245 5th Space

Working pressure by Rules (8 threads) 246 lb w. R. Screw stays: Material Steel (1 only) Tensile strength 40 K

Diameter {At turned off part, _____ or _____ No. of threads per inch 8 Area supported by each stay _____

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

