

REPORT ON BOILERS.

No. 11241
WED. JUN. 21 1920

Received at London Office

Report 15 May 1920 When handed in at Local Office 19 Port of Rotterdam
Survey held at Rotterdam Date, First Survey December 16 1919 Last Survey 15 May 1920
The Steel Screw Steamer "Lombardus" (Number of Visits 6) Tons Gross Net
Built at Harwich By whom built West Scotland When built 1920
at Rotterdam By whom made Winton & Co When made 1920
at DO By whom made DO When made 1920
Horse Power 4 Owners Svenska Lloyd Port belonging to Gathenbury

TUBULAR BOILERS ~~MAIN, AUXILIARY OR DONKEY.~~ Manufacturers of Steel Beadmore
Record S. Total Heating Surface of Boilers 900 sq ft Is forced draft fitted 4 No. and Description of
Lombardus main blr. Working Pressure 100 lb Tested by hydraulic pressure to 200 lb Date of test 5/3/20
Locate 692. Can each boiler be worked separately 4 Area of fire grate in each boiler 32 sq ft No. and Description of
to each boiler 2 4' 6" horizontal Area of each valve 11.045 sq ft Pressure to which they are adjusted 100 lb
with easing gear 4 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler 4
Space between boilers or uptakes and bunkers or woodwork 12 Mean dia. of boilers 10 - 1/4" Length 10'
Shell plates Steel Thickness 1/4" Range of tensile strength 28/51 Are the shell plates welded or flanged 4
Riveting: cir. seams All riveted long. seams All riveted Diameter of rivet holes in long. seams 1/4" Pitch of rivets 5 3/16"
Rods or width of butt straps 11 1/2 Per centages of strength of longitudinal joint rivets 98 1/2% plate 81 1/2% Working pressure of shell by
Propeller Size of manhole in shell 12" x 16" Size of compensating ring 2' 6" x 2' 10" No. and Description of Furnaces in each
bolts plain Material Steel Outside diameter 2' 11" Length of plain part top 6" Thickness of plates crown 7/8" bottom 1/2"
of longitudinal joint All riveted 4 of strengthening rings 4 Working pressure of furnace by the rules 144 lb Combustion chamber
Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 3/4" Pitch of stays to ditto: Sides 4' 4" x 4' 4" Back 8' x 4' 4"
If stays are fitted with nuts or riveted heads riveted Working pressure by rules 155 lb Material of stays Steel Area at
1.48 sq ft Area supported by each stay 60 sq ft Working pressure by rules 144 lb End plates in steam space: Material Steel Thickness 3/4" Area
15' x 15' How are stays secured riveted Working pressure by rules 144 lb Material of stays Steel Area at smallest part 3.9 sq ft
Supported by each stay 225 lb Working pressure by rules 202 lb Material of Front plates at bottom Steel Thickness 3/4" Material of
plate Steel Thickness 3/4" Greatest pitch of stays 15' x 4' 1/2" Working pressure of plate by rules 158 lb Diameter of tubes 3 1/4"
4 1/4" Material of tube plates Steel Thickness: Front 3/4" Back 3/4" Mean pitch of stays 8 1/2" Pitch across wide
15 1/2" Working pressures by rules 148 lb Girders to Chamber tops: Material Steel Depth and thickness of
centre 2' x 4' 6" x 6 1/2" Length as per rule 2' - 2 1/2" Distance apart 4 1/2" Number and pitch of Stays in each 2 x 4' 1/2"
Pressure by rules 208 lb Steam dome: description of joint to shell 4 % of strength of joint 4
Thickness of shell plates 4 Material 4 Description of longitudinal joint 4 Diam. of rivet holes 4
Working pressure of shell by rules 4 Crown plates 4 Thickness 4 How stayed 4
EATER. Type 4 Date of Approval of Plan 4 Tested by Hydraulic Pressure to 4
Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler 4
Safety Valve 4 Pressure to which each is adjusted 4 Is Easing Gear fitted 4

The foregoing is a correct description,

B. M. L. Manufacturer.

During progress of work in shops - 16/12, 14/1, 24/1, 9/2, 5/3
During erection on board vessel - 15/5

Is the approved plan of boiler forwarded herewith 4
Total No. of visits 6

AL REMARKS (State quality of workmanship, opinions as to class, &c.)

Boiler has been made in accordance with the plan, Rules and little workmanship good.

Fee ... £ ... When applied for, 19
ing Expenses (if any) £ ... When received, 19

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See attached report

Engineer Surveyor to Lloyd's Register of Shipping.

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Lloyd's Register Foundation