

REPORT ON BOILERS.

No. 11400

Received at London Office SAT SEP 17 1920

1920 Date of writing Report 12 July 1920 When handed in at Local Office 19 Port of Rotterdam
 No. in Survey held at Rotterdam Date, First Survey 4 Jan. 1910 Last Survey 17 June 1920.
 Reg. Book. on the (Blr. 600) 1/3 "ABELIA"
 Built at Handenveer By whom built Scheepswij. De Oudeweide When built 1920
 Engines made at Amsterdam By whom made Neschure & Co When made 1920
 Boilers made at Rotterdam By whom made Wilton's Eng. Slipway Co When made 1920
 Registered Horse Power 2 Owners Hugo Persson & Co Port belonging to Landskrona

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel David Colville and Sons, Ltd
 Letter for record S. Total Heating Surface of Boilers 1903 sq ft Is forced draft fitted No. and Description of
 Boilers One horizontal Main Boiler Working Pressure 100 lbs Tested by hydraulic pressure to 360 lbs Date of test 17-6-20.
 No. of Certificate 401. Can each boiler be worked separately Area of fire grate in each boiler 60 sq ft No. and Description of
 Safety valves to each boiler Area of each valve 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 Mean dia. of boilers 14' 6 3/4" Length 10' 0"
 Material of shell plates Steel Thickness 1 1/32" Range of tensile strength 20 1/2 tons Are the shell plates welded or flanged No.
 Descrip. of riveting: cir. seams Lap, dull, riv. long. seams dull, butt, treble riv. Diameter of rivet holes in long. seams 1 5/16" Pitch of rivets 8 3/4"
 Up of plates or width of butt straps 20 1/8" Per centages of strength of longitudinal joint rivets 92% Working pressure of shell by
 Rules 202 lbs Size of manhole in shell 12" x 16" Size of compensating ring 2' 6" x 2' 10" plate 85%
No. and Description of Furnaces in each
 Boiler 3. Morisons Material steel Outside diameter 3' 11 1/2" Length of plain part top Thickness of plates crown 2 1/32"
 Description of longitudinal joint Welded. No. of strengthening rings none Working pressure of furnace by the rules 200 lbs Combustion chamber
 Plates: Material Steel Thickness: Sides 1/16" Back 1/16" Top 1/16" Bottom 1/16" Pitch of stays to ditto: Sides 8" x 7 1/2" Back 7 3/4" x 7 3/4"
 Sp 8" x 8" If stays are fitted with nuts or riveted heads rivets in margin Working pressure by rules 200 lbs Material of stays steel Area at
 Smallest part 1.547 sq ft Area supported by each stay 60 sq in Working pressure by rules 216 lbs End plates in steam space: Material Steel Thickness 1/8"
 Pitch of stays 20" x 16" How are stays secured screwed. Working pressure by rules 213 lbs Material of stays steel Area at smallest part 7.06 sq ft
 Area supported by each stay 320 sq in Working pressure by rules 230 lbs Material of Front plates at bottom Steel Thickness 1 1/32" Material of
 Lower back plate Steel Thickness 1 3/16" Greatest pitch of stays 13 3/8" Working pressure of plate by rules 190 lbs Diameter of tubes 3 1/4"
 Pitch of tubes 4 3/8" Material of tube plates steel Thickness: Front 1 1/32" Back 7/16" Mean pitch of stays 11. Pitch across wide
 Inter spaces 14 1/4" Working pressures by rules 212 lbs. Girders to Chamber tops: Material steel Depth and thickness of
 Girder at centre 2 x 8 1/2" x 7/16" Length as per rule 2' 7 1/2" Distance apart 8" Number and pitch of Stays in each 3 of 8"
 Working pressure by rules 230 lbs Steam dome: description of joint to shell % of strength of joint
 Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to
 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,
 WILTON'S ENGINEERING & SLIPWAY CO. Manufacturer.
 W. Milton

Dates During progress of work in shops - Jan 4. May 2. 13. 15. Sept. 5. 24. Nov. 10. Dec 6. Is the approved plan of boiler forwarded herewith
 while During erection on board vessel - 1919. Jan 22. Feb 27 March 29. May 2. 1920 June 4. Total No. of visits 13.

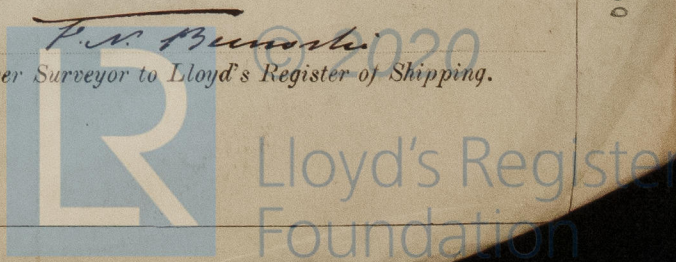
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The boiler has been made in accordance with the Rules and Secretary's letters, material tested as required and workmanship good.

Survey Fee ... £ 100.00 When applied for, 13/7 1920
 Travelling Expenses (if any) £ 1.00 When received, 13/7 1920

Shipping Committee's Minute TUE. SEP. 21 1920 Engineer Surveyor to Lloyd's Register of Shipping.

Signed



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