

REPORT ON BOILERS.

No. 65313
WED. DEC. 24. 1913

Received at London Office

Date of writing Report 29th Nov 1913 When handed in at Local Office 22nd Dec 1913 Port of Newcastle on Tyne
 No. in Survey held at Newcastle Date, First Survey 5th Sept 1913 Last Survey 12th Dec 1913
 Reg. Book. on the Boiler for Stabilimento Tecnico Triestino (Number of Visits) 5 Tons Gross Macovia Net
 Master Built at By whom built When built
 Engines made at By whom made When made
 Boilers made at Newcastle By whom made Wallsend Slipway & Eng Co 2998 When made 1913
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Thyssen & Co

(Letter for record) Total Heating Surface of Boilers 12735 Is forced draft fitted no No. and Description of

Boilers 5 Single-ended Working Pressure 180 lbs Tested by hydraulic pressure to Date of test

No. of Certificate Can each boiler be worked separately Area of fire grate in each boiler 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 15'-9" ^{Inside} ~~Mean~~ dia. of boilers 15'-9" Length 12'-0"

Material of shell plates Steel Thickness 1 1/32" Range of tensile strength 29 1/2-33 1/2 Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams d. r. lap long. seams t. r. d. butt Diameter of rivet holes in long. seams 1 1/4" Pitch of rivets 8 1/16"

Lap of plates or width of butt straps 18 5/8" Per centages of strength of longitudinal joint rivets 86.15 plate 85.57 Working pressure of shell by

rules 184 lbs Size of manhole in shell 16" X 12" Size of compensating ring flanged No. and Description of Furnaces in each

boiler 3 Deighton Material Steel Outside diameter 50 3/16" Length of plain part 19 1/32" Thickness of plates 1 1/32" crown bottom

Description of longitudinal joint welded No. of strengthening rings 1 Working pressure of furnace by the rules 188 lbs Combustion chamber

plates: Material Steel Thickness: Sides 5/8" Back 5/8" Top 5/8" Bottom 1" Pitch of stays to ditto: Sides 7 3/8" X 9 7/8" Back 8 3/4" X 8 1/4"

Top 8" X 9" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 184 lbs Material of stays Steel Diameter at

smallest part 2.03 Area supported by each stay 73.5 Working pressure by rules 225 lbs End plates in steam space: Material Steel Thickness 1 1/32"

Pitch of stays 25 X 2 1/4" How are stays secured d. nuts Working pressure by rules 181 lbs Material of stays Steel Diameter at smallest part 9.15

Area supported by each stay 519 Working pressure by rules 183 lbs Material of Front plates at bottom Steel Thickness 1" Material of

Lower back plate Steel Thickness 1 5/16" Greatest pitch of stays 15 1/4" X 8 1/4" Working pressure of plate by rules 185 lbs Diameter of tubes 3"

Pitch of tubes 4 1/4" X 4 1/4" Material of tube plates Steel Thickness: Front 1 1/4" Back 3/4" Mean pitch of stays 8 1/2" X 8 7/8" Pitch across wide

water spaces 14 1/4" Working pressures by rules 348 lbs Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 8 1/4" X 1 1/2" Length as per rule 32" Distance apart 8" Number and pitch of Stays in each 2 of 9"

Working pressure by rules 186 lbs Superheater or Steam chest; how connected to boiler none Can the superheater be shut off and the boiler worked

separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

FOR THE WALLSEND SLIPWAY & ENGINEERING CO. LIMITED.
The foregoing is a correct description,

Thyssen Manufacturer.
DIRECTOR.

1913
 Dates of Survey { During progress of work in shops - - } 25 Dec 12.
 while building { During erection on board vessel - - - }
 Is the approved plan of boiler forwarded herewith 29.10.13
 Total No. of visits 13 +

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers as far as completed, have been built under special survey, the materials used are good, and the workmanship is satisfactory. To complete, the shells and furnaces should be riveted, the tubes & stays fitted, and the boilers tested with water pressure.

Survey Fee ... £ 14 : : :
 Travelling Expenses (if any) £ : : :
 When applied for, DEC 28 1913
 When received, 28/11/1913

Charles Cooper
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
Assigned

FRI. JAN. 28 1914



W1087-0134