

REPORT ON BOILERS.

No. 44514

WED. 23 NOV. 1921

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Date of writing Report 4/6/1921 When handed in at Local Office 4/6/1921 Port of Glasgow
No. in Survey held at Glasgow Date, First Survey 4th Nov 1920 Last Survey 5th May 1921
Reg. Book. 60288 on the Boilers J. 27 for S.S. Fulgor
Master Built at Spezzia By whom built Cantieri Mighetta When built 1922
Engines made at Glasgow By whom made McKie & Baxter Lgs No 1007 When made 1921
Boilers made at Glasgow By whom made J. Stephen & Son J. 27 When made 1921
Registered Horse Power 399 Owners La Columbia Soc. Marit Rec. Port belonging to Genoa

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel
(Letter for record S) Total Heating Surface of Boilers 5679 Is forced draft fitted Is No. and Description of Boilers Three single ended multitubular Working Pressure 230 Tested by hydraulic pressure to 460 Date of test 6-4-21
No. of Certificate 15774 Can each boiler be worked separately Yes Area of fire grate in each boiler 45 No. and Description of safety valves to each boiler Pair spring loaded Area of each valve 5.93 Pressure to which they are adjusted 235 lbs.
Are they fitted with easing gear Yes 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 Distant dia. of boilers 13'-0" Length 11'-0"
Material of shell plates S Thickness 15/16" Range of tensile strength 29/32 Are the shell plates welded or flanged No
Descrip. of riveting: cir. seams L.D.R. long. seams T.R. 5th Straps Diameter of rivet holes in long. seams 13/8" Pitch of rivets 9 1/2"
Lap of plates or width of butt straps 20 1/8" Per centages of strength of longitudinal joint rivets 88.4 Working pressure of shell by rules 236 Size of manhole in shell 16"x12" Size of compensating ring 34x29x1 1/4" No. and Description of Furnaces in each boiler 3 Corrugated Material Steel Outside diameter 39 1/2 Length of plain part top Thickness of plates crown 19 1/2 bottom
Description of longitudinal joint Weld No. of strengthening rings None Working pressure of furnace by the rules 233 Combustion chamber plates: Material S Thickness: Sides 3/4" Back 11/16" Top 3/4" Bottom 3/4" Pitch of stays to ditto: Sides 9 1/2 x 8 Back 8 1/2 x 8 1/2
Top 9 1/2 x 8 1/2 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 230 Material of stays S Area at smallest part 203 Area supported by each stay 84.2 Working pressure by rules 236 End plates in steam space: Material S Thickness 1 1/32
Pitch of stays 17 1/8 x 16 How are stays secured S nuts Working pressure by rules 231 Material of stays S Area at smallest part 6.65
Area supported by each stay 286 Working pressure by rules 240 Material of Front plates at bottom S Thickness 7/8" Material of Lower back plate S Thickness 11/16" Greatest pitch of stays 14 x 8 1/2 Working pressure of plate by rules 233 Diameter of tubes 2 1/2
Pitch of tubes 3 3/4 x 3 1/16 Material of tube plates S Thickness: Front 7/8" Back 7/8" Mean pitch of stays 8 3/8 Pitch across wide water spaces 13 1/2 Working pressures by rules 240 Girders to Chamber tops: Material S Depth and thickness of girder at centre 8 3/4 x 1 3/4 Length as per rule 31 1/16 Distance apart 8 7/8 Number and pitch of Stays in each 2 @ 9 1/2
Working pressure by rules 240 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
Date of Test 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,
Alexander Stephen & Son Manufacturers.

Dates of Survey During progress of 1920 Nov 4 Dec 8 17 21 27 (1921) Jan 12 18 25 28 Feb 7 11 17 21 Mar 3 10 17 24 31 Is the approved plan of boiler forwarded herewith No
while building During erection on board vessel - - -
Total No. of visits 29.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built under Special Survey and in accordance with the Rules. The materials and workmanship are sound and good, on completion they were tested by hydraulic pressure to 460 lbs per sq inch and found tight and satisfactory in all respects.

These boilers have been securely fitted aboard and their safety valves adjusted under steam.

Survey Fee ... £ Charge with : When applied for, 19.
Travelling Expenses (if any) £ Inguis : When received, 19.
Committee's Minute GLASGOW 22 NOV 1921
Assigned Deferred.

J. S. Sellar
Engineer Surveyor to Lloyd's Register of Shipping.
FRI. 29 DEC. 1922
FRI. JUN. 29 1923
Lloyd's Register Foundation