

REPORT ON BOILERS.

No. 41766.

Received at London Office

WFO & SMAR 1922

Writing Report 4. 3. 1922 When handed in at Local Office 4. 3. 1922 Port of Glasgow
 in Survey held at Glasgow Date, First Survey 24th July 1920 Last Survey 28th Feb 1922
 on the Boiler Nos 983. to order of Messrs MacKis & Baxter. (Number of Visits 36)
 Built at _____ By whom built _____ When built _____
 Made at _____ By whom made _____ When made _____
 Made at Glasgow By whom made A. Stephen & Sons, Glasgow When made 1922
 Horse Power _____ Owners _____ Port belonging to _____

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D. Colville & Sons

for record 5 Total Heating Surface of Boilers 7551 sq ft Is forced draft fitted No. No. and Description of
Three single ended multitubular Working Pressure 180 lbs Tested by hydraulic pressure to 320 lbs Date of test 22nd Feb 1922
 Certificate 16016 & 16017 Can each boiler be worked separately Yes Area of fire grate in each boiler 670 sq ft No. and Description of
 valves to each boiler _____ Area of each valve _____ Pressure to which they are adjusted _____
 fitted with easing gear _____ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____
 distance between boilers or uptakes and bunkers or woodwork _____ dia. of boilers 15'-6 1/2" Length 11'-6"
 of shell plates S Thickness 1 1/4" Range of tensile strength 29/32 tons Are the shell plates welded or flanged No
 of riveting: cir. seams L.D.R long. seams T.R. 5th Straps Diameter of rivet holes in long. seams 1 7/16" Pitch of rivets 9"
 width of butt straps 19 1/8" Per centages of strength of longitudinal joint _____ Working pressure of shell by _____
 Size of manhole in shell 16" x 12" Size of compensating rings 34 x 29 x 1 1/2" No. and Description of Furnaces in each
Corrugated Material S Outside diameter 50 3/4" Length of plain part _____ Thickness of plates _____
 of longitudinal joint laced No. of strengthening rings None Working pressure of furnace by the rules 185 Combustion chamber
 Material S Thickness: Sides 1 1/16" Back C= 1 1/16" Top 1 1/16" Bottom 3/4" Pitch of stays to ditto: Sides 10" x 9" Back C= 10 3/4" x 7 1/2"
 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 187 Material of stays S Area at
 Area supported by each stay 94.5 Working pressure by rules 187 End plates in steam space: Material S Thickness 1 3/8"
 stays 2 1/2 x 20" How are stays secured S. nuts Working pressure by rules 200 Material of stays S Area at smallest part 84.5
 supported by each stay 420 Working pressure by rules 208 Material of Front plates at bottom S Thickness 7/8" Material of
 plate S Thickness 29/32" Greatest pitch of stays 14 1/4" x 10 3/4" Working pressure of plate by rules 180 Diameter of tubes 3 1/4"
 tubes 4 1/2" x 4 3/8" Material of tube plates S Thickness: Front 7/8" Back 3/4" & 1 3/16" Mean pitch of stays 10 1/2" Pitch across wide
 plates 14 1/4" + doubling Working pressures by rules 181 Girders to Chamber tops: Material S Depth and thickness of
 centre 8 5/16" x 13 1/2" Length as per rule 33 1/2" Distance apart 9" Number and pitch of Stays in each 2 @ 10"
 pressure by rules 182 Steam dome: description of joint to shell _____ % of strength of joint _____
 Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____
 Working pressure of shell by rules _____ Crown plates _____ Thickness _____ How stayed _____

SAFETY VALVE. 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 _____
 Safety Valve _____ Pressure to which each is adjusted _____ Is Easing Gear fitted _____

FOR
ALEXANDER STEPHEN & SONS, LIMITED.
 The foregoing is a correct description,
M. W. D. M. D. M. D. Secy. Manufacturer.

During progress of work in shops - - - 1920 Feb 24 Mar 9. 16 22 29 Apr 6. 20 29 May 6. 13. 19. 24 27 30 Is the approved plan of boiler forwarded herewith Yes.
 During erection on board vessel - - - Dec 2. 17. 21 27 (1921) Jan 12 18 (1922) Feb 22. 28. Total No. of visits 36.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built under special order and in accordance with the Rules: the materials and workmanship are sound & good, in addition they were tested by water pressure to 320 lbs per square inch and found tight & satisfactory in all respects.
The boilers have now been fitted on board the F.S. "Accepian" ex "Lutz" (Glasgow)

Fee £ 37 : 13 : } When applied for, 7. 3. 22
 Register of Shipping Expenses (if any) £ : : } When received, 3/5 22/22

Engineer's Minute _____
 GLASGOW 7 MAR 1922
 TRANSMIT TO LONDON
 W332-C115 TUES. 22 JUL 1924
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