

REPORT ON BOILERS.

No. 41766.

Received at London Office WED 28 MAR 1922

Writing Report 4. 3. 1922 When handed in at Local Office 4. 3. 1922 Port of Glasgow

Survey held at Glasgow Date, First Survey 24th Feb 1920 Last Survey 28th Feb 1922

Boiler Nos 983. to order of Messrs MacKis & Baxter. (Number of Visits 36)

Gross Tons Net Tons

Built at Glasgow By whom built A. Stephen & Sons, Glasgow When built 1922

When made 1922

Port belonging to

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel D. Colville & Sons

for record 5 Total Heating Surface of Boilers 7551 ft^2 Is forced draft fitted 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 Area of fire grate in each boiler 670 ft^2 No. and Description of

valves to each boiler Area of each valve Pressure to which they are adjusted

by 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 15' 6" Length 11' 6"

of shell plates Thickness 1 1/4" Range of tensile strength 28/32 tons Are the shell plates welded or flanged No

of riveting: cir. seams L.D.R. long. seams T.R. 50 lbs Straps Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 9

Rods plates or width of butt straps 19 1/8" Per centages of strength of longitudinal joint rivets 89.4 plate 85.4 Working pressure of shell by

Propeller 181 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

bolts Corrugated Material S Outside diameter 50 3/4" Length of plain part top Thickness of plates crown 19 1/2" bottom 13 1/2"

15-8 ion of longitudinal joint lodd No. of strengthening rings none Working pressure of furnace by the rules 185 Combustion chamber

Material S Thickness: Sides 1 1/16" Back 1 1/16" Top 1 1/16" Bottom 3/4" Pitch of stays to ditto: Sides 10 x 9" Back 10 3/4 x 7 1/2"

9" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 187 Material of stays S Area at

part 1 1/6" Area supported by each stay 94.5 Working pressure by rules 187 End plates in steam space: Material S Thickness 13 1/8"

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

ported by each stay 420 Working pressure by rules 208 Material of Front plates at bottom S Thickness 7/8" Material of

ck 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" x 1 1/2"

tubes 4 1/2" x 4 3/8" Material of tube plates S Thickness: Front 7/8" Back 3/4" x 1 1/16" Mean pitch of stays 10 1/2" Pitch across wide

ces 14 1/4" + doubling Working pressure by rules 181 Girders to Chamber tops: Material S Depth and thickness of

lt un centre 8 5/16" x 1 3/4" 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

EATER. 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,

J. M. McMoil

Secy. Manufacturer.

During progress of 1920 Feb 24 Mar 9. 16 22 29 Apr 16. 30. 29 May 6. 13. 19. 24 27 30

work in shops - - - Jun 4. 9. 17. 21 July 7. 14 Sep 16 Oct 7. 15 20 Nov 4. 11. 16 22

During erection on 21. 27 (1920) Jan 12 18 (1922) Feb 22. 28.

board vessel - - -

Total No. of visits 36.

AL REMARKS

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

These boilers have been built under special and in accordance with the Rules: the materials and workmanship are sound & good, and 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" (Hull)

Fee ... £ 37 : 13 :

When applied for, 7. 3. 22

Register of Expenses (if any) £ :

When received, 3/5 22/22

ee's Minute

GLASGOW

7 MAR 1922

TRANSMIT TO LONDON

W332-C115

TUES. 22 JUL 1924

Engineer Surveyor to Lloyd's Register of Shipping.

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