

# REPORT ON BOILERS.

No. 36089.

MON. 21 JUN 1916

Received at London Office

ing Report 101 When handed in at Local Office 101 Port of Glasgow

Survey held at Paisley Date, First Survey 1/6/15 Last Survey 16/6/1916

on the Single ended maine Boilers for the S.S. "SMERDIS" (Number of Visits 33) Gross Tons }  
 Net Tons }

Barr Built at Anderson By whom built Anderson & Co. Ltd. 267 When built 1916

made at Boalbudge By whom made W. Beardmore & Co. Ltd. 470 When made 1916

made at Paisley By whom made M. & A. Craig, Ltd. 553-4 When made 1916

Horse Power 149 Owners J. P. Hutchison Port belonging to Glasgow.

TUBULAR BOILERS—MAIN, ~~SECONDARY OR DONKEY~~—Manufacturers of Steel D. Colville & Sons Ltd. Motherwell.

record \$ ) Total Heating Surface of Boilers 2712 Is forced draft fitted no No. and Description of  
English Patent Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 16-6-16

ificate 13453 Can each boiler be worked separately Area of fire grate in each boiler 31.5 No. and Description of  
 s to each boiler Area of each valve Pressure to which they are adjusted

ted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

stance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 12.7 1/2 Length 8-9

shell plates S Thickness 1 1/16 Range of tensile strength 28/32 Are the shell plates welded or flanged ✓

riveting: cir. seams DR long. seams TRIDBS Diameter of rivet holes in long. seams 1 1/8 Pitch of rivets 8

er width of butt straps 16 5/8 Per centages of strength of longitudinal joint rivets 87 Working pressure of shell by  
 plate 85.9

Size of manhole in shell 16 x 12 Size of compensating ring 7 x 1 1/8 No. and Description of Furnaces in each  
Perforated Material S Outside diameter 3.10 1/4 Length of plain part top Thickness of plates crown } 9/16  
 bottom }  
 of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 191 Combustion chamber  
 Material S Thickness: Sides 1 1/16 Back 2 1/32 Top 1 1/16 Bottom 1 1/16 Pitch of stays to ditto: Sides Back 8 1/2 x 9 1/2

If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 200 Material of stays S Diameter at  
267 276 Area supported by each stay 44.25 Working pressure by rules 230 End plates in steam space: Material S Thickness 1 1/32  
 stays 17 How are stays secured DNW Working pressure by rules 185 Material of stays Iron Diameter at smallest part 8 1/3

ted by each stay 272 Working pressure by rules 230 Material of Front plates at bottom S Thickness 7/8 Material of  
 arh plate S Thickness 7/8 DPG Greatest pitch of stays 22 x 10 Working pressure of plate by rules 187 Diameter of tubes 3  
 500 plate 4 1/8 Material of tube plates S Thickness: Front 7/8 Back 7/8 Mean pitch of stays 16 5/16 Pitch across wide

Working pressures by rules Girders to Chamber tops: Material Depth and thickness of  
 utre Length as per rule 24 Distance apart Number and pitch of Stays in each

essure by rules 183 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet  
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness  
 with rings Distance between rings Working pressure by rules End plates: Thickness How stayed  
 ring essure of end plates Area of safety valves to superheater Are they fitted with easing gear

request form

37 attached

The foregoing is a correct description,  
A. F. CRAIG & CO. LTD.  
Nector J. Mackintosh Manufacturer.

Asst. Secretary. Yes

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits 33

AL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built  
in special survey in accordance with the approved plans  
workmanship & material are of good quality. These boilers  
be fitted on board at Glasgow.

Fee ... £ 8.1 : } When applied for, 191  
 Expenses (if any) £ : } When received, 191

MONTHLY ACCOUNT

W. Gordon Maclellan  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

GLASGOW 20 JUN. 1916

TRANSMIT TO LONDON

Deferred

Lloyd's Register Foundation

005029-005037-0190