

REPORT ON BOILERS

No. 41577

21 DEC. 1921

Received at London Office

Date of writing Report 2.12.1921 When handed in at Local Office 9.12.1921 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 25.3.1920 Last Survey 26.11.1920
 Reg. Book. S/S Kylebeg (Number of Visits 8) Gross 680
 on the Built at Dullin By whom built Dullin Shipbuilders Ltd When built 1921
 Engines made at Coalludgie By whom made W. Beaudouin & Co (562) When made 1921
 Boilers made at Glasgow By whom made D. Rowan & Co Ltd (B301) When made 1921
 Registered Horse Power Owners Sydney Holm Port belonging to Glasgow

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Glasgow, W. & A. ✓
 Matter for record 8) Total Heating Surface of Boilers 1854 sq ft Is forced draft fitted No ✓ No. and Description of
 Boilers One Single Ended Marine Working Pressure 180 Tested by hydraulic pressure to 360 lbs Date of test 26/11/20
 of Certificate 15602 Can each boiler be worked separately ✓ Area of fire grate in each boiler 50 sq ft No. and Description of
 Safety valves to each boiler Dullin Spring ✓ Area of each valve 5.90 Pressure to which they are adjusted 185 ✓
 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 30" ✓ INT diam. of boilers 14'-6" Length 10'-0" ✓
 Material of shell plates Steel Thickness 1 1/4" Range of tensile strength 28/32 tons Are the shell plates welded or flanged No ✓
 Description of riveting: cir. seams D.A. long. seams D.B.S. T.R. Diameter of rivet holes in long. seams 1 1/4" Pitch of rivets 8 3/8 ✓
 Width of butt straps 18 1/2" Per centages of strength of longitudinal joint rivets 92 plate 85/10 Working pressure of shell by
 rules 180 lbs Size of manhole in shell 16" x 12" Size of compensating ring 34" x 30" x 1 1/4" No. and Description of Furnaces in each
 boiler 3 Dighton Material Steel Outside diameter 3'-8 1/2" Length of plain part top 1' 1/2" Thickness of plates crown 1 1/2" bottom 3/32" ✓
 Description of longitudinal joint Weld No. of strengthening rings 4 Working pressure of furnace by the rules 185 lbs. Combustion chamber
 plates: Material Steel Thickness: Sides 1/2" Back 5/8" Top 1/2" Bottom 1/2" Pitch of stays to ditto: Sides 10 1/2" x 8 1/2" Back 9 1/2" x 8" ✓
 7 1/2" x 11" If stays are fitted with nuts or riveted heads Yes Working pressure by rules 180 lbs Material of stays Steel Area at
 smallest part 1 1/4" Area supported by each stay 1/42" Working pressure by rules 180 lbs End plates in steam space: Material Steel Thickness 1 1/4" ✓
 Pitch of stays 19 1/2" x 19 1/2" How are stays secured Dullin Working pressure by rules 81 lbs Material of stays Steel Area at smallest part 1 1/4" ✓
 Area supported by each stay 385 1/8" Working pressure by rules 190 lbs Material of Front plates at bottom Steel Thickness 3/32" Material of
 over back plate Steel Thickness 25/32" Greatest pitch of stays 13" x 8" Working pressure of plate by rules 180 lbs Diameter of tubes 3 1/4" ✓
 Pitch of tubes 4 1/2" x 4 1/2" Material of tube plates Steel Thickness: Front 3/32" Back 23/32" Mean pitch of stays 9" x 8 1/2" Pitch across wide
 boiler spaces 14" Working pressures by rules 182 lbs Girders to Chamber tops: Material Steel Depth and thickness of
 boiler at centre 9 1/2" x 7 1/8" (2) Length as per rule 2'-8 1/2" Distance apart 11" Number and pitch of Stays in each 3 @ 7 1/2" ✓
 Working pressure by rules 188 lbs Steam dome: description of joint to shell None % 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

Survey request form No. 2517 attached
 The foregoing is a correct description,
 David Rowan & Co Ltd Manufacturer.
 Is the approved plan of boiler forwarded herewith
 Total No. of visits 8

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) Boiler has been built under Special
 Survey in accordance with approved plan. Materials and workmanship are good.
 This boiler was securely fitted on board.
 This Rept. accompanies that of the Machinery

Survey Fee ... £ When applied for, 19...
 Travelling Expenses (if any) £ When received, 19...
 Glasgow Machinery Rept. W. Gordon Murray
 Committee's Minute GLASGOW 20 DEC 1921
 signed See accompanying machinery report