

REPORT ON BOILERS.

No. 18601.

8 SEP 1926

Received at London Office

Date of writing Report 4. 8. 26 When handed in at Local Office 31/8/26 Port of Glenasmole
 No. in Survey held at Glenasmole Date, First Survey 19th January, 1926 Last Survey 31st Aug 1926.
 Reg. Book. S/S Dalblair (Number of Visits 63) Gross Tons {
 on the built at Glenasmole By whom built Scott's Shipbuilding & Engineering Co. Ltd. When built 1926
 Engines made at Glenasmole By whom made Scott's Shipbuilding & Engineering Co. Ltd. (600) When made 1926
 Boilers made at ditto By whom made ditto (600) When made 1926
 Registered Horse Power — Owners The United Steam Navigation Co. Port belonging to Glencorrig
Lancashire
Beardmore & Co. Ltd.

MULTITUBULAR BOILERS—MAIN,

Letter for record R Total Heating Surface of Boilers 6446 Is forced draft fitted yes No. and Description of 4-6-2-6
 Boilers 2 Single Cylinders Working Pressure 180 Tested by hydraulic pressure to 320 Date of test 22.6.26
 No. of Certificate 427. 429. Can each boiler be worked separately yes Area of fire grate in each boiler 60 No. and Description of 185
 Safety valves to each boiler Backhouse high lift (2) Area of each valve 4.04 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 12" Mean dia. of boilers 16.45/16" Length 12.0"
 Material of shell plates S Thickness 15/16" Range of tensile strength 28-32 Are the shell plates welded or flanged —
 Descrip. of riveting: cir. seams D.R. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 15/16" Pitch of rivets 9 1/4"
 Lap of plates or width of butt straps 1-4 5/8" Per centages of strength of longitudinal joint 85.82 Working pressure of shell by 85.81
 rules 180 Size of manhole in shell 16+12" Size of compensating ring 38+31+15/16" No. and Description of Furnaces in each —
 boiler 3 Corrugated Material S Outside diameter 4-3" Length of plain part — Thickness of plates 21/32"
 Description of longitudinal joint weld No. of strengthening rings — Working pressure of furnace by the rules 199 Combustion chamber —
 plates: Material S Thickness: Sides 5/8" Back 1 1/16" Top 5/8" Bottom 7/8" Pitch of stays to ditto: Sides 8+9 1/4" Back 11+7 1/8"
 Top 8 1/4+9" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 180 Material of stays iron Area at —
 smallest part 14 1/2" Area supported by each stay 4425 Working pressure by rules 204 End plates in steam space: Material S Thickness 17/32"
 Pitch of stays 21+16" How are stays secured D.N. Working pressure by rules 185 Material of stays S Area at smallest part 5939
 Area supported by each stay 336 Working pressure by rules 195 Material of Front plates at bottom S Thickness 7/8" Material of —
 Lower back plate S Thickness 13/16" Greatest pitch of stays 4 1/2+7 1/8" Working pressure of plate by rules 197 Diameter of tubes 3"
 Pitch of tubes 4 1/8+4 1/8" Material of tube plates S Thickness: Front 7/8" Back 3/4" Mean pitch of stays 10.312 Pitch across wide —
 water spaces 14 1/2" Working pressures by rules 181 Girders to Chamber tops: Material S Depth and thickness of —
 girder at centre 10+31 1/4 (2) Length as per rule 36" Distance apart 8 1/2+9" Number and pitch of Stays in each 3 at 8 1/4"
 Working pressure by rules 198 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 N.E. MARINE Date of Approval of Plan SEE Engr. 906572 attached Tested by Hydraulic Pressure to 540 lb
 Date of Test 29. 4. 26 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler yes
 Diameter of Safety Valve 2" Pressure to which each is adjusted 185 Is Easing Gear fitted yes

SCOTT'S SHIPBUILDING & ENGINEERING COMPANY

The foregoing is a correct description,

J. A. Rennie Chief Draughtsman Manufacturer.

Is the approved plan of boiler forwarded herewith yes

Total No. of visits

Dates of Survey During progress of work in shops --
 while During erection on board vessel --

See Machinery Report.

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

These boilers have been built under special Survey in accordance with the approved plans & the workmanship & material are of good quality. They have now been securely fitted on board. This Report accompanies that of the Machinery.

Survey Fee ... £ ... When applied for, ... 19...
 Travelling Expenses (if any) ... When received, ... 19...

J. A. Rennie
 W. Gordon-Munroe

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 7-SEP 1926

Assigned See accompanying Mach. Report.

Lloyd's Register Foundation

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