

Rpt. 5a.

REPORT ON BOILERS.

No. 31657
THU. JUL. 19. 1912

Received at London Office
Date of writing Report 15/7/12 When handed in at Local Office 2 Port of Glasgow
No. in Survey held at Glasgow Date, First Survey 31st May/11 Last Survey 8th July 1912
Reg. Book. S/S "Indrakuala" (Number of Visits) Gross 5691.
on the Smith Built at Glasgow By whom built B. Coumell & Co When built 1912
Engines made at Glasgow By whom made Dunsmuir, Jackson & Co When made 1912
Boilers made at ditto By whom made ditto 397 When made 1912
Registered Horse Power Owners Indra Line Ltd Port belonging to Liverpool
Manufacturers of Steel Bobville & Spencer

MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY.

(Letter for record R (T) Total Heating Surface of Boilers 2851 Is forced draft fitted No No. and Description of
Boilers one single ended Working Pressure 200 Tested by hydraulic pressure to 400 Date of test 3-6-12
No. of Certificate 11627 Can each boiler be worked separately Yes Area of fire grate in each boiler 608 No. and Description of
safety valves to each boiler 2 Doud. Springs Area of each valve 7.07 Pressure to which they are adjusted 205
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 1-6 Mean dia. of boilers 16-10 1/2 Length 12-0
Material of shell plates S Thickness 1 1/2 Range of tensile strength 28 1/2 32 Are the shell plates welded or flanged
Descrip. of riveting: cir. seams DR long. seams TRIDBS Diameter of rivet holes in long. seams 33/64 Pitch of rivets 107/16
width of butt straps 1-10 7/8 Per centages of strength of longitudinal joint plate 84 4 Working pressure of shell by
rules 201. Size of manhole in shell 16 1/2 Size of compensating ring 8 1/2 No. and Description of Furnaces in each
boiler 3 Monois. Material S Outside diameter 4-4 Length of plain part top Thickness of plates crown 23/32
Description of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 212 Combustion chamber
plates: Material S Thickness: Sides 45/64 Back 45/64 Top 45/64 Bottom 1 1/16 Pitch of stays to ditto: Sides 10 1/2 x 8 Back 9 1/2 x 9 1/2
Top 8 x 9 1/2 If stays are fitted with nuts or riveted heads Yes Working pressure by rules 200 Material of stays Iron at
smallest part 225 Area supported by each stay 84.5 Working pressure by rules 204 End plates in steam space: Material S Thickness 13/16
Pitch of stays 8 1/2 x 17 How are stays secured DN Working pressure by rules 201. Material of stays S Diameter at smallest part 6 3/32
Area supported by each stay 315 Working pressure by rules 208 Material of Front plates at bottom S Thickness 1 1/16 Material of
Lower back plate S Thickness 3 1/32 Greatest pitch of stays 14 3/4 x 9 1/4 Working pressure of plate by rules 255 Diameter of tubes 3 1/4
Pitch of tubes 4 3/8 x 4 1/2 Material of tube plates S Thickness: Front 1 1/16 Back 1 1/16 Mean pitch of stays 11 3/4 Pitch across wide
water spaces 14 3/8 Working pressures by rules 211 Girders to Chamber tops: Material Iron Depth and thickness of
girder at centre 12 x 1 (2) Length as per rule 3 x 8 1/2 Distance apart 9 1/8 Number and pitch of Stays in each 4 x 8
Working pressure by rules 210 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked
separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear
For DUNSMUIR & JACKSON, Limited
The foregoing is a correct description,
James Fletcher Manager Manufacturer.

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

See Machinery report.

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey in accordance with the approved plan & the workmanship & material are of good quality. This Report accompanies that of the Machinery &c.

Survey Fee Charged on Mailing Rept.

Travelling Expenses (if any) £

When applied for, 191
When received, 191Wm Gordon Muirhead
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

GLASCOW 17 JUL. 1912

Committee's Minute

Assigned See minute on accompanying machinery report.

W9-0075

Lloyd's Register
Foundation