

REPORT ON BOILERS.

No. 34337

Received at London Office WED. SEP-2. 1914

Date of writing Report **20.7.1914** When handed in at Local Office **29/8/1914** Port of **GLASGOW**
 No. in Survey held at **Glasgow** Date, First Survey **18/8/1913** Last Survey **29/8/1914**
 on of Safety Book. **Oil Tank Steamer "Inter-Cuyahoga"** Number of Visits **48** Gross **4586**
 on the **Glasgow** Tons Net **2738**
 Built at **Greenock** By whom built **Dunsmuir & Jackson (358)** When built **1914**
 Engines made at **Glasgow** By whom made **Dunsmuir & Jackson (2445)** When made **1914**
 Boilers made at **ditto** By whom made **ditto** When made **1914**
 Registered Horse Power Owners **Anglo American Oil Co Ltd** Port belonging to **Greenock**

ULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR~~ DONKEY. — Manufacturers of Steel **Bolville Lanarkshire & Glasgow**

Letter for record **S** Total Heating Surface of Boilers **12354** Is forced draft fitted **No** No. and Description of
 Boilers **One Single Ended** Working Pressure **185** Tested by hydraulic pressure to **370** Date of test **22-5-14**
 No. of Certificate **12434** Can each boiler be worked separately **—** Area of fire grate in each boiler **36.75** No. and Description of
 Safety valves to each boiler **Double Spring** Area of each valve **4.91** Pressure to which they are adjusted **190**
 Are they fitted with easing gear **Yes** In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler **No**
 Smallest distance between boilers or uptakes and bunkers or woodwork **4 feet** Mean dia. of boilers **12-13/64** Length **11-0"**
 Material of shell plates **S** Thickness **13/64** Range of tensile strength **28/32** Are the shell plates welded or flanged **—**
 Description of riveting: cir. seams **DR** long. seams **TR & DBS** Diameter of rivet holes in long. seams **11/8"** Pitch of rivets **77/8"**
 Width of butt straps **1-5"** Per centages of strength of longitudinal joint rivets **89 1/2%** Working pressure of shell by
 plates **85-75%**
 Size of manhole in shell **16x12** Size of compensating ring **McNeil** No. and Description of Furnaces in each
 Boiler **2 Corrugated Material S** Outside diameter **3-10** Length of plain part **top** Thickness of plates **crown 39/16"**
 Description of longitudinal joint **weld.** No. of strengthening rings **—** Working pressure of furnace by the rules **187** Combustion chamber
 Material **S** Thickness: Sides **5/8"** Back **5/8"** Top **5/8"** Bottom **29/32** Pitch of stays to ditto: Sides **8x7 1/2"** Back **77/8x8"**
 If stays are fitted with nuts or riveted heads **Nuts** Working pressure by rules **210** Material of stays **S** Diameter at
 smallest part **3-03"** Area supported by each stay **63"** Working pressure by rules **209** End plates in steam space: Material **S** Thickness **13/16"**
 How are stays secured **DIN** Working pressure by rules **223** Material of stays **S** Diameter at smallest part **6-33"**
 Area supported by each stay **280"** Working pressure by rules **235** Material of Front plates at bottom **S** Thickness **11/32** Material of
 Lower back plate **S** Thickness **15/16** Greatest pitch of stays **14 1/2 x 8"** Working pressure of plate by rules **226** Diameter of tubes **3**
 Pitch of tubes **4 1/4 x 4 1/4"** Material of tube plates **S** Thickness: Front **11/32** Back **27/32** Mean pitch of stays **8 1/2"** Pitch across wide
 End spaces **14"** Working pressures by rules **189** Girders to Chamber tops: Material **Iron** Depth and thickness of
 Boiler at centre **9x1(2)** Length as per rule **2-10 1/2"** Distance apart **83/8"** Number and pitch of Stays in each **3 at 7 1/2"**
 Working pressure by rules **204** 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
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 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.
DUNSMUIR & JACKSON, Limited.
 The foregoing is a correct description,

Director. Manufacturer.

Is the approved plan of boiler forwarded herewith **Yes**

Total No. of visits **48**

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

See accompanying sketch report.

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 trial of the Machinery.

Survey Fee

Travelling Expenses (if any)

When applied for, 191

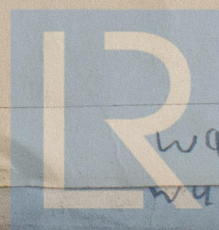
When received, 191

W. Gordon-Mitchell

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

Committee's Minute **GLASGOW 1 SEP. 1914**

assigned See accompanying report on machinery.



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 Foundation