

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 Safeteg. Book. **Oil Tank Steamer "Interst" Guyahoga** Number of Visits **48** Gross **4586** Tons Net **2738**

ster Built at **Greenock** By whom built **Dunsmuir & Jackson (358)** When built **1914**

ines made at **Glasgow** By whom made **Dunsmuir & Jackson (445)** When made **1914**

ilers made at **ditto** By whom made **ditto** When made **1914**

gistered Horse Power Owners **Anglo American Oil Co Ltd** Port belonging to **Greenock**

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

etter for record **S** Total Heating Surface of Boilers **1235 A** Is forced draft fitted **No** No. and Description of Boilers **one single ended**

Working Pressure **185 ¹⁸⁶** Tested by hydraulic pressure to **370** Date of test **22-5-14**

of Certificate **12434** Can each boiler be worked separately **—** Area of fire grate in each boiler **36.75 A** No. and Description of Safety valves to each boiler **Double Spring** Area of each valve **4.91** Pressure to which they are adjusted **190**

they fitted with easing gear **Yes** In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler **No**

allest distance between boilers or uptakes and bunkers or woodwork **4 feet** Mean dia. of boilers **12-13/64** Length **11-0"**

aterial of shell plates **S** Thickness **13/64** Range of tensile strength **28/32** Are the shell plates welded or flanged **—**

cription of riveting: cir. seams **DR** long. seams **TR & DBS** Diameter of rivet holes in long. seams **1 1/8"** Pitch of rivets **7 7/8"**

width of butt straps **1-5"** Per centages of strength of longitudinal joint rivets **89 1/2%** plate **85-75%** Working pressure of shell by rules **188**

Size of manhole in shell **16x12** Size of compensating ring **M. Keith** No. and Description of Furnaces in each boiler **2 Corrugated Material S** Outside diameter **3-10** Length of plain part **—** Thickness of plates crown **3 9/16"** bottom **—**

cription 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 **7 7/8 x 8"**

If stays are fitted with nuts or riveted heads **Nuts** Working pressure by rules **210** Material of stays **S** Area at smallest part **4 1/2 x 3 3/8"** Area supported by each stay **63 A** Working pressure by rules **209** End plates in steam space: Material **S** Thickness **13/16"** Diameter at smallest part **6.33 A**

How are stays secured **DIN** Working pressure by rules **223** Material of stays **S** Diameter at smallest part **6.33 A**

Area supported by each stay **280 A** Working pressure by rules **235** Material of Front plates at bottom **S** Thickness **1 1/32"** 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**

Material of tube plates **S** Thickness: Front **1 1/32** Back **27/32** Mean pitch of stays **8 1/2"** Pitch across wide 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 **8 3/8"** 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,

James Thomas Director. Manufacturer.

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

During progress of work in shops **—**

During erection on board vessel **—**

see accompanying sketch report. Total No. of visits **48**

GENERAL REMARKS (State quality of workmanship, opinions as to class, etc.) **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 **charged on Machinery Report** When applied for **191**

Travelling Expenses (if any) **—** 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.**

