

REPORT ON BOILERS.

No. 8538.

Received at London Office 27 AUG 1925

Date of writing Report 24 Aug 1925 When handed in at Local Office 26 Aug 1925 Port of Dunde
 No. in Survey held at Dunde Date, First Survey 23rd March Last Survey 21st Aug 1925
 Reg. Book. 1908 on the T.S.M.V. "Athelchief" (Number of Visits 41) Gross 7707.43
 Tons Net 4543.6
 Master Built at Dunde By whom built Caledon Shipbuilding & Eng Co. Ltd When built 1925
 Engines made at Gretnock By whom made J. G. Kincaid & Co. Ltd (K.B.) when made 1925
 Boilers made at Gretnock By whom made J. G. Kincaid & Co. Ltd (K. B) when made 1925
 Registered Horse Power Owners British Molasses Co. Ltd. (Ings) Port belonging to Liverpool

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

Letter for record S Total Heating Surface of Boilers 24441 1/4 Is forced draft fitted no No. and Description of Boilers 2 Multitubular single ended Working Pressure 180 lbs Tested by hydraulic pressure to Date of test
 No. of Certificate Can each boiler be worked separately Area of fire grate in each boiler No. and Description of Safety valves to each boiler Two spring loaded Area of each valve 4.98 sq in Pressure to which they are adjusted 185 lbs 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 2'-6" Mean dia. of boilers Length
 Material of shell plates Thickness Range of tensile strength Are the shell plates welded or flanged
 Descrip. of riveting: cir. seams long. seams Diameter of rivet holes in long. seams Pitch of rivets
 Gap of plates or width of butt straps Per centages of strength of longitudinal joint Working pressure of shell by rules
 Size of manhole in shell Size of compensating ring No. and Description of Furnaces in each boiler
 Material Outside diameter Length of plain part Thickness of plates crown bottom
 Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber
 Plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back
 If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Diameter at smallest part
 Area supported by each stay Working pressure by rules End plates in steam space: Material Thickness
 How are stays secured Working pressure by rules Material of stays Diameter at smallest part
 Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes
 Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide
 Working pressures by rules Girders to Chamber tops: Material Depth and thickness of
 Length as per rule Distance apart Number and pitch of Stays in each
 Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked
 Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 Distance between rings Working pressure by rules End plates: Thickness How stayed
 Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description, Manufacturer.

Dates of Survey During progress of work in shops - Is the approved plan of boiler forwarded herewith
 while building During erection on board vessel - Total No. of visits 41

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

These boilers have been fitted on board in an efficient manner, tried under working conditions and found satisfactory.
They have been fitted to burn oil fuel in accordance with section 49 of Rules (1921-22) approved Plan, for a flash point of above 150° F.

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

J. Selles

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

Committee's Minute
 Assigned See Gen J.E. 8538

FRI. 11 SEP 1925



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