

REPORT ON BOILERS.

No. 18567.

16 JUN 1926

Received at London Office

Date of writing Report 9th June, 1926 When handed in at Local Office 11th June 1926 Port of Greenock

No. in Survey held at Port Glasgow Date, First Survey 16th November, 1925. Last Survey 8th June 1926. Reg. Book. on the Non-Propelling Hopper Dredger "GARSTONIA". (Number of Visits 24) Gross 459 Tons Net 386.

Master Built at Port Glasgow. By whom built Messrs Ferguson Bros Ltd. When built 1926. Engines made at Port Glasgow. By whom made Messrs Ferguson Bros Ltd. When made 1926. Boilers made at By whom made Messrs Palmers Ltd. When made 1926. Registered Horse Power Owners Port belonging to

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

(Letter for record ) Total Heating Surface of Boilers 1800 sq ft Is forced draft fitted No No. and Description of Boilers Two S.B. Working Pressure 180 Tested by hydraulic pressure to Date of test

No. of Certificate Can each boiler be worked separately Yes Area of fire grate in each boiler No. and Description of safety valves to each boiler Two DIRECT SPRING Area of each valve 2" Pressure to which they are adjusted 187 lb. Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler None. Smallest distance between boilers or uptakes and bunkers or woodwork 2'-0" 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 Lap 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 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

Top If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space: Material Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays Area 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 Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide

water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of girder at centre Length as per rule Distance apart Number and pitch of Stays in each Working pressure by rules 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

UPERHEATER. Type None Date of Approval of Plan Tested by Hydraulic Pressure to Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,

Manufacturer.

Dates of Survey During progress of work in shops - - - See Machinery Report. Is the approved plan of boiler forwarded herewith Yes. while During erection on board vessel - - - Total No. of visits 24

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have now been securely fitted on board the vessel. and the safety valves adjusted under steam as stated. The boilers are eligible in my opinion to be classed in the Register Book with records of survey N B 6-26.

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

Committee's Minute GLASGOW 15 JUN 1926

Assigned + N.B. 626

Engineer Surveyor to Lloyd's Register of Shipping.

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