

REPORT ON BOILERS.

No. 18664

16 MAR 1927

Received at London Office

Date of writing Report 11-3-1927 When handed in at Local Office 11-3-1927 Port of GreenockNo. in Survey held at Port Glasgow Date, First Survey 22nd December, 1925 Last Survey 9th March 1927
Reg. Book. on the Twin Screw Hopper Barge "PIEL" (Number of Visits 40) Gross 1231
Tons Net 1178Master Built at Port Glasgow By whom built Ferguson Bros (Pt Glasgow) Ltd When built 1924Engines made at Port Glasgow By whom made Ferguson Bros (Pt Glasgow) Ltd When made 1924Boilers made at Hebburn-on-Tyne By whom made Palmer's Ltd When made 1924Registered Horse Power 141 Owners L.M. & S. Railway Co. Ltd Port belonging to London

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

(Letter for record ☒) Total Heating Surface of Boilers ☒ Is forced draft fitted No No. and Description of Boilers 2 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 2 DIRECT SPRING ^{DIA} Area of each valve 2 3/4" 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 NONE

Smallest distance between boilers or uptakes and bunkers or woodwork 4 1/2" 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 ^{rivets} ☒ Working pressure of shell by rules ☒ Size of manhole in shell ☒ Size of compensating ring ☒ No. and Description of Furnaces in each boiler ☒

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 NONE % 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 ☒

SUPERHEATER. 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 -- ☒
while building ☒ During erection on board vessel --- ☒ See Machinery report.

Is the approved plan of boiler forwarded herewith

Total No. of visits

GENERAL REMARKS

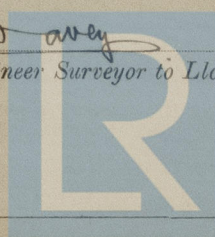
(State quality of workmanship, opinions as to class, &c.)

These boilers have been recently fitted on board the vessel, and the safety valves adjusted under steam as stated.

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

Committee's Minute GLASGOW 15 MAR 1927Assigned See accompanying mach^y report

J. A. Davy
Engineer Surveyor to Lloyd's Register of Shipping.



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