

REPORT ON BOILERS.

No. 10220
TUE. FEB. 29. 1918

Received at London Office

When handed in at Local Office 28/2/16 Port of Grimshy
 No. of Survey held at Grimshy Date, First Survey 19/5/14 Last Survey 20/3/15 1915
 on the Steel boiler No. A 70 (St. Mary Isles) (Number of Visits 32)
 Built at Grimshy By whom built The G. Central Co. op. E.H.R.C. When built 1915
 By whom made Grimshy When made 1915
 Owners The G. Central Co. op. E.H.R.C. Port belonging to Grimshy

MULTITUBULAR BOILERS — MAIN, AUXILIARY OR DONKEY — Manufacturers of Steel Phoenix Abt. Stördes Verein

Letter for record S Total Heating Surface of Boilers 9110 Is forced draft fitted no No. and Description of Boilers one S.E. return tube Working Pressure 180 lb Tested by hydraulic pressure to 360 lb Date of test 20/2/15
 No. of Certificate 135 Can each boiler be worked separately yes Area of fire grate in each boiler 33.0 No. and Description of Safety valves to each boiler 2 direct spring Area of each valve 3.98 Pressure to which they are adjusted 183 lb.
 Are they fitted with easing gear yes In case of aux. donkey boilers, state whether steam from main boilers can enter the aux. donkey boiler yes
 Smallest distance between boilers or uptakes and brakers or woodwork 8" Mean dia. of boilers 11-0" Length 9-9"
 Material of shell plates S Thickness 15/16 Range of tensile strength 28/32 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams double long. seams tr. butt Diameter of rivet holes in long. seams 1/8 Pitch of rivets 7/8
 Width of plates or width of butt straps 16 5/8 Per centages of strength of longitudinal joint 85.6 Working pressure of shell by rules 185
 Size of manhole in shell 12x16 Size of compensating ring 16x16x 15/16 No. and Description of Furnaces in each boiler 2 plain Material S Outside diameter 41 Length of plain part 70 Thickness of plates 25/32
 Description of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 190 Combustion chamber plates: Material S Thickness: Sides 1/16 Back 1/16 Top 1/16 Bottom 1" Pitch of stays to ditto: Sides 9x9 Back 9 1/4 x 9 1/4
 If stays are fitted with nuts or rivoted heads nut Working pressure by rules 181 Material of stays S Diameter at smallest part 2-1 Area supported by each stay 90 Working pressure by rules 210 End plates in steam space: Material S Thickness 3/32
 How are stays secured tr. nuts Working pressure by rules 185 Material of stays S Diameter at smallest part 5.05
 Area supported by each stay 240 Working pressure by rules 218 Material of Front plates at bottom S Thickness 15/16 Material of lower back plate S Thickness 15/16 Mean pitch of stays 13 3/4 Working pressure of plate by rules 209 Diameter of tubes 3 1/4
 Material of tube plates S Thickness: Front 15/16 Back 7/8 Mean pitch of stays 9" Pitch across wide tubes spaces 14 Working pressures by rules 183 Girders to Chamber tops: Material S Depth and thickness of girder at centre 2-8x 5/8 Length as per rule 28.5 Distance apart 8" Number and pitch of Stays in each 2-9
 Working pressure by rules 191 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 rivets
 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

for the Gt Central Co. of Eng^{ing} & Ship Rep^{ing} Co. Ltd.
 The foregoing is a correct description,
 W. W. Single Manufacturer.

Dates During progress of work in shops: May 19-25-29 June 9-12-15-24 July 6-18 Is the approved plan of boiler forwarded herewith yes
 while During erection on board vessel: Dec 8-16-23 Jan 11-21-27-28 Feb 3-15-18-20 Total No. of visits 32

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 material workmanship are good. It was built for the Grimshy North Sea Ste. Trank^g Co. for a vessel since sunk, and has been lying in the Buddis Yard. It is now being sold to Admiralty.

No 135
LLOYD'S TEST
360 LBS
20.2.15
C.M.

Survey Fee ... £ 3 : 1 : } When applied for, 28/2/16 101
 Travelling Expenses (if any) £ : : } When received, 1/3/16 101 7/3/16
 C. Mansel
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
 Assigned Not for Classing Committee
 TUE. 5-MAR. 1918
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