

REPORT ON BOILERS.

No. 10220
TUE. FEB. 29. 1918

Received at London Office
28/2/16 Port of *Grimshy*
When handed in at Local Office
Grimshy
Date, First Survey 19/5/14 Last Survey 20/3/15
No. of Survey held at
No. of Book. *1915*
on the *Steel boiler No. A 70 (5/1 many Isles)*
Number of Visits *32*
Gross Tons
Net Tons
Built at
By whom built
When built
Engines made at
By whom made
When made
Boilers made at
By whom made *The G. Central Co. op. E. H. R. Co.*
When made *1915*
Registered Horse Power
Owners
Port belonging to

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 bunkers 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 3/4"*
Up of plates or width of butt straps *16 7/8"* Per centages of strength of longitudinal joint *102* 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 1/16"* Back *1 1/16"* Top *1 1/16"* Bottom *1"* Pitch of stays to ditto: Sides *9x9"* Back *7 1/4x9 1/4"*
Up *9x8"* If stays are fitted with nuts or riveted 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"*
Pitch of stays *16x15"* How are stays secured *2 nut* 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"*
Pitch of tubes *4 1/2"* Material of tube plates *S* Thickness: Front *15/16* Back *7/8"* Mean pitch of stays *9"* Pitch across wide
water spaces *14"* Working pressures by rules *183* Girders to Chamber tops: Material *S* Depth and thickness of
Girders at centre *2-8x7/8"* 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 rivet
Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
Stays fitted 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,
M. W. Pingle 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 - - - *22. Aug 7. 15. 22 26. 18 25. 28 Oct 5. 15. 27 Nov 3. 27*
Building *Dec 8. 16. 23 Jan 11. 21. 23. 25 Dec 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
recent survey in accordance with the approved plan. The material workmanship are
good. It was built for the Grimshy North Sea Ste. Transp. Co. for a vessel since sunk, and
has been lying in the Buddies Yard. It is now being sold to Admiralty.*

No 135
LLOYD'S TEST
3604BS
20. 2. 15
C.M.

Survey Fee ... £ *3 : 1* : When applied for, *28/2/16* 101 *16 C.M.*
Travelling Expenses (if any) £ : : When received, *1/3/16* 101 *7 3/16*

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

Committee's Minute

TUE. 5-MAR. 1918

Assigned

Not for Classing Committee

LLOYD'S REGISTER
TUE. 4-JULY 1915
FRI. 8-AUG. 1915
TUE. JUL. 27 1920 W574-0163