

REPORT ON BOILERS.

No. 20087.
WED. 6 APR. 1921

Received at London Office
Date of writing Report *12 March 1921* When handed in at Local Office *18 March 1921* Port of *New York*
No. in Survey held at *Kearny, New Jersey* Date, First Survey *1921* Last Survey *191*
Reg. Book. *Walter Jennings* (Number of Visits) *1* Gross Tons *10800*
on the *Twin Screw Steel Oil Tanker* Net Tons *8133*
Master *W. J. Healy* Built at *Kearny, N. J.* By whom built *Federal Ship Building Co.* When built *1921*
Engines made at *Kearny, N. J.* By whom made *Federal Ship Building Co.* When made *1921*
Boilers made at *Kearny, N. J.* By whom made *Federal Ship Building Co.* When made *1921*
Registered Horse Power *3500 I.H.P.* Owners *Standard Oil Co. of New Jersey* Port belonging to *New York*

MULTITUBULAR BOILERS—~~MAIN~~, ~~AUXILIARY~~ ~~OR~~ DONKEY.—Manufacturers of Steel *Carnegie Steel Co.*
Letter for record *S* Total Heating Surface of Boilers *1234 sq ft* Is forced draft fitted *No.* No. and Description of
Boilers *One—Two Furnace Scotch* Working Pressure *180#* Tested by hydraulic pressure to *270#* Date of test *13-11-20*
No. of Certificate *389* Can each boiler be worked separately *✓* Area of fire grate in each boiler *39 sq ft* No. and Description of
Safety valves to each boiler *One—2 1/2" Twin Spring* Area of each valve *4.9 sq in* Pressure to which they are adjusted *180#*
Are they fitted with easing gear *Yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *No*
Smallest distance between boiler uptakes and bunkers *6 ft.* Inside diam. of boilers *10'-11"* Length *10'-10 1/2"*
Material of shell plates *S* Thickness *1"* Range of tensile strength *268 to 272 lbs* Are the shell plates welded or flanged *No.*
Descrip. of riveting: cir. seams *D.R.LAP.* long. seams *TR/DBS* Diameter of rivet holes in long. seams *1 3/16"* Pitch of rivets *6 3/8"*
Width of butt straps *17 3/4"* Percentages of strength of longitudinal joint rivets *103.2* Working pressure of shell by
rules *183#* Size of manhole in shell *16" x 12"* Size of compensating ring *34" x 30"* No. and Description of Furnaces in each
Boiler *2. Morison* Material *S* Outside diameter *43 1/16"* Length of plain part *top 17 1/2"* Thickness of plates *crown 17/32"*
Description of longitudinal joint *Weld* No. of strengthening rings *✓* Working pressure of furnace by the rules *204#* Combustion chamber
Material *S* Thickness: Sides *5/8"* Back *5/8"* Top *5/8"* Bottom *3/4"* Pitch of stays to ditto: Sides *7 x 7"* Back *7 x 7 1/4"*
If stays are fitted with nuts or riveted heads *Not Riveted* Working pressure by rules *276#* Material of stays *S* Area at
smallest part *1.52 sq in* Area supported by each stay *49 sq in* Working pressure by rules *248#* End plates in steam space: Material *S* Thickness *29/32"*
Pitch of stays *14 x 14"* How are stays secured *D. NUTS* Working pressure by rules *187.8#* Material of stays *S* Area at smallest part *3.97 sq in*
Area supported by each stay *196 sq in* Working pressure by rules *211#* Material of front plates at bottom *S* Thickness *3/4"* Material of
lower back plate *S* Thickness *3/4"* Greatest pitch of stays *12 1/4 x 7 1/4"* Working pressure of plate by rules *302#* Diameter of tubes *2 3/4"*
Pitch of tubes *4 x 3 3/4"* Material of tube plates *S* Thickness: Front *3/4"* Back *3/4"* Mean pitch of stays *11 1/4 x 8"* Pitch across wide
inter spaces *12 3/4"* Working pressures by rules *279#* Girders to Chamber tops: Material *S* Depth and thickness of
girder at centre *10 x 5 1/8"* Length as per rule *33"* Distance apart *7"* Number and pitch of Stays in each *4 @ 7"*
Working pressure by rules *236#* 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,
Federal Shipbuilding Co., Ltd., Ch. Eng. Manufacturer.

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *The above donkey boiler has been constructed under Special Survey in accordance with the approved plan. The material & workmanship, so far as can be seen are sound & good & proved satisfactory on test. It is eligible, in my opinion to the notation in the Register Book.*

Survey Fee ... £ ... : When applied for, 191
Travelling Expenses (if any) £ ... : When received, 191

Committee's Minute New York MAR 22 1921

signed

See other Rpt. No. 20087

J. Hockhart.
Engineer Surveyor to Lloyd's Register of Shipping.

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Foundation

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