

REPORT ON BOILERS.

No. 2685

TUE 10 FEB. 1920

Received at London Office

of writing Report Dec 23rd 1919 When handed in at Local Office Kobe 19 Port of Kobe
 in Survey held at Kobe Date, First Survey May 14th Last Survey Dec. 11th 1919
 Book. Steel Single Screw Steamer "EASTERN MOON" (Number of Visits 19) Gross 5974.64
S. KARAKI. Built at Kobe By whom built Kawasaki Dockyard Co. Ltd. When built 1919
 nes made at Kobe By whom made The Kawasaki Dockyard Co. Ltd. When made 1919
 sers made at do By whom made do When made 1919
 stered Horse Power N.H.P. 440 Owners The United States Shipping Board. Port belonging to Kobe

LTITUBULAR BOILERS ~~MAN~~ AUXILIARY ~~ON BOARD~~ Manufacturers of Steel Carnegie Steel Co. Illinois Stl. Co.
One S. to Auxy Boiler Total Heating Surface of Boilers 11320 Is forced draft fitted yes No. and Description of
One S. to Auxy Boiler Working Pressure 200 lbs. Tested by hydraulic pressure to 400 lbs. Date of test 30-10-19
 of Certificate W.P. 200 lbs. Can each boiler be worked separately yes Area of fire grate in each boiler 33 No. and Description of
 y valves to each boiler Two Direct Spring Area of each valve 5.93 Pressure to which they are adjusted 205 lbs.
 they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
 lest distance between boilers or uptakes and bunkers or woodwork 18" Mean dia. of boilers 10'-10" Length 10'-6"
 rial of shell plates Steel Thickness 1" Range of tensile strength 28 to 32 Are the shell plates welded or flanged No
 rip. of riveting: cir. seams Double rivet long. seams Double straps Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 6 29/32 + 3 29/64
 of plates or width of butt straps 14 1/2" x 1" Per centages of strength of longitudinal joint 95.2 Working pressure of shell by
200 lbs. Size of manhole in shell 12" x 16" Size of compensating ring (7 1/4" flange) 1" No. and Description of Furnaces in each
Two Morrison Material Steel Outside diameter 40 1/4" Length of plain part ✓ Thickness of plates 9 1/16"
 ription of longitudinal joint Weld No. of strengthening rings ✓ Working pressure of furnace by the rules 236 lbs. Combustion chamber
 s: Material Steel Thickness: Sides 5/8" Back 5/8" Top 5/8" Bottom 3/4" Pitch of stays to ditto: Sides 7" x 8 1/2" Back 7 13/16" x 8 1/8"
7" x 8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 204 lbs. Material of stays steel Area at
 lest part 1.78 Area supported by each stay 66 Working pressure by rules 242 End plates in steam space: Material steel Thickness 7/8"
 of stays 15 1/4" x 14 1/2" How are stays secured Double nuts Working pressure by rules 202 Material of stays Steel Area at smallest part 5.27
 supported by each stay 15 1/4" x 14 1/2" Working pressure by rules 238 Material of Front plates at bottom Steel Thickness 3/4" Material of
 r back plate Steel Thickness 3/4" Greatest pitch of stays 13 1/2" at widest Working pressure of plate by rules 200 Diameter of tubes 3 1/4"
 of tubes 4 3/4" mean Material of tube plates Steel Thickness: Front 7/8" Back 3/4" Mean pitch of stays 8 3/4" Pitch across wide
 spaces 13 3/4" doubled 5/8" Working pressures by rules 200 lbs. Girders to Chamber tops: Material Steel Depth and thickness of
 at centre 8" x 13 1/6" (two) Length as per rule 27" Distance apart 8" Number and pitch of Stays in each 3 @ 7"
 ing pressure by rules 256 lbs. Steam dome: description of joint to shell ✓ % of strength of joint
 eter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 of rivets Working pressure of shell by rules Crown plates Thickness How stayed

urvey REHEATER. Type None Date of Approval of Plan 1919 Tested by Hydraulic Pressure to 1919
 of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 er of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted ✓

The foregoing is a correct description,
Kawasaki Dockyard Co. Ltd. Manufacturer.

Per. 1919 May 14, 19, 29; June 2, 6, 9, 24; Sept. 17; Oct. 8, 13, 16, 21, 30th Is the approved plan of boiler forwarded to Secretary yes
 Total No. of visits 19

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

The Boiler has been made + fitted under special Survey.
 he Rules have been complied with + the materials + workmanship found good.
 This vessel is eligible, it is submitted, for the record One S. to
Auxiliary Boiler 200 lbs.

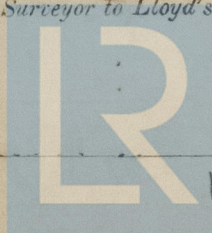
urvey Fee Included in Machinery When applied for, 8th Dec 1919
 travelling Expenses (if any) 1st Entry Fees. When received, 12th " 1919

Committee's Minute

Signed

FRI FEB. 20. 1920

A. Watt & W. Lawton
 Engineer Surveyor to Lloyd's Register of Shipping.



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 Foundation