

REPORT ON BOILERS.

No. 2669

Received at London Office

JAN 16 1920

5a.

Writing Report Dec 2nd 1919 When handed in at Local Office Kobe 19 Kobe Port of Kobe

Survey held at Kobe Date, First Survey June 13th Last Survey Nov 17th 1919

on the Steel Single Screw Steamer "ENGLAND MARU" (Number of Visits 13) } Gross 5865
Tons } Net 4263

R. ISHIZUKA Built at Kobe By whom built The Kawasaki Dockyard Co. Ltd. When built 1919

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Indicated Horse Power N.H.P. 440 Owners The Kawasaki Kisen Kaisha Port belonging to Kobe

TITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Illinois Stl. Co. Carnegie Steel Co. + Amer. Spiral Pipe Co.

for record S Total Heating Surface of Boilers 1132 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 21-8-19.

Certificate LLOYD'S TEST Can each boiler be worked separately yes Area of fire grate in each boiler 33 No. and Description of

valves to each boiler Two Direct Spring Area of each valve 5.93 Pressure to which they are adjusted 205 lbs.

ey fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓

st distance between boilers or uptakes and bunkers or woodwork 18" Mean dia. of boilers 10'-10" Length 10'-6"

al of shell plates Steel Thickness 1" Range of tensile strength 28 to 32 tons Are the shell plates welded or flanged no

p. of riveting: cir. seams Doub. rivet long. seams Doub. straps Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 6 29/32 + 3 29/64

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 (T/4 + flange) 1" No. and Description of Furnaces in each

Two Morrison Material Steel Outside diameter 40 1/4" Length of plain part top Thickness of plates crown 9 1/16"

tion of longitudinal joint Weld No. of strengthening rings ✓ Working pressure of furnace by the rules 236 lbs. Combustion chamber

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"

" x 8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 204 lbs. Material of stays Steel Area at

part 1.78 Area supported by each stay 66 Working pressure by rules 242 lbs. End plates in steam space: Material Steel Thickness 7/8"

of stays 15 1/4 x 14 1/2" How are stays secured Doub. nuts Working pressure by rules 202 lbs. 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 lbs. Material of Front plates at bottom Steel Thickness 3/4" Material of

back plate Steel Thickness 3/4" Greatest pitch of stays 3 1/2" at wide Working pressure of plate by rules 200 lbs. 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 13/16 (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

er 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

RHEATER. Type ✓ Date of Approval of Plan Tested by Hydraulic Pressure to

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

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

Per J. O. Kane Secretary.

During progress of work in shops 1919 June 13, 25, 26; Aug. 2, 7, 14, 21. Is the approved plan of boiler forwarded herewith yes

During erection on board vessel Oct. 25, Nov. 1, 4, 8, 14, 17. Total No. of visits 13.

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

The Boiler has been made + fitted under Special Survey.

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.

Survey Fee Included in Machinery When applied for, 19

Travelling Expenses (if any) 1st Entry Fees When received, 19

Committee's Minute FRI. JAN. 16. 1920 A. Watt + W. Lawson. Engineer Surveyor to Lloyd's Register of Shipping.

