

REPORT ON BOILERS

No. 2715.

THU. MAR. 25 1920

Received at London Office

Shipping Report Jan 26th 1920 When handed in at Local Office 10 Port of Kobe
 Survey held at Kobe Date, First Survey Aug. 13th 1919 Last Survey Jan. 8th 1920.
 on the Steel Single Screw Steamer "DENMARK MARU" (Number of Visits 19) Gross 5869.86
 Tons Net 4263.50
 K. EHARA. Built at Kobe By whom built Kawasaki Dockyard Co., Ltd. When built 1919
 made at Kobe By whom made Kawasaki Dockyard Co., Ltd. When made 1919
 made at do By whom made do When made 1919
 Horse Power N.H.P. 440 Owners Kawasaki Kisen Kaishiki Kaisha. Part belonging to Kobe

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

For record S. 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 22-11-19

Certificate W.T. 400 lbs. Can each boiler be worked separately yes Area of fire grate in each boiler 330 No. and Description of

plates to each boiler Two Direct Spring Area of each calve 5.930 Pressure to which they are adjusted 205 lbs.

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

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

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

of riveting: cir. seams Doub. riv. long. seams Treble riveted 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

00 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

no Morison Material Steel Outside diameter 40 1/4" Length of plain part top Thickness of plates crown 9/16"

ion of longitudinal joint Weld No. of strengthening rings ✓ Working pressure of furnace by the rules 238 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 1/2" x 8 1/2"

8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 243 lbs. Material of stays Steel Area at

part 1.790 Area supported by each stay 640 Working pressure by rules 223 lbs. End plates in steam space: Material Steel Thickness 7/8"

stays 15 1/4" x 1 1/2" How are stays secured Doub. nuts Working pressure by rules 202 lbs. Material of stays Steel Area at smallest part 5.270

supported by each stay 15 1/4" x 1 1/2" Working pressure by rules 248 lbs. Material of Front plates at bottom Steel Thickness 3/4" Material of

each plate Steel Thickness 3/4" Greatest pitch of stays 15" approx Working pressure of plate by rules 237 lbs. Diameter of tubes 3 1/4"

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

aces 13 3/4" doubled 5/8" Working pressures by rules 266 lbs. Girders to Chamber tops: Material Steel Depth and thickness of

centre 8" x 3/4" (two) Length as per rule 26 5/8" Distance apart 8" Number and pitch of Stays in each 3 @ 7"

pressure by rules 246 lbs. Steam dome: description of joint to shell None % of strength of joint

Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Working pressure of shell by rules Crown plates Thickness How stayed

HEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Pressure to which each is adjusted Is Easing Gear fitted

Per Kawasaki Dockyard Co., Ltd. Secretary A. Watt & W. Rawson Manufacturer.

The foregoing is a correct description,

During progress of work in shops - 1919 Aug. 13, 25; Sept. 11, 16, 18; Oct. 1, 8, 13, 20, 30; Nov. 3, 6, 12, 22nd. Is the approved plan of boiler forwarded herewith Yes Same as for S/S. SPAIN MARU R.P. 12286

During erection on board vessel - 1919 Dec. 4, 12, 22, 26; 1920 Jan. 8th. 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.

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.

Shipping Fee Included in Machy. fee When applied for, Jan 19th 1920

When received, " 23rd 1920.

Committee's Minute See Kbe. fr. rpt. attached

TUE. MAR. 30 1920

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

Lloyd's Register
 Foundation

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