

REPORT ON BOILERS.

No. 1922

Received at London Office MON. 8 - JAN. 1917

Date of writing Report 18th Nov. 1916 When handed in at Local Office 19 Port of Kobe
 No. in Survey held at Kobe Date, First Survey 9th Aug. 1915 Last Survey 16th Sept 1916
 Reg. Book. on the Steel Single-Screw Steamer "Siam Maru" (Number of Visits 18) Tons { Gross 4578.1
 Net 2815.6
 Master S. Miyata Built at Kobe By whom built The Kawasaki Dryd Co. Ltd When built 1916-10
 Engines made at Kobe By whom made The Kawasaki Dryd Co. Ltd when made 1916-10
 Boilers made at do By whom made do when made do
 Registered Horse Power Owners The Osaka Shosen Kaisha Port belonging to Osaka

MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY. - Manufacturers of Steel Beardmore & Co.
 (Letter for record S.) Total Heating Surface of Boilers 841.6 sq. ft. Is forced draft fitted No. No. and Description of Boilers One horizontal 2 flued. Working Pressure 120 lb. Tested by hydraulic pressure to 240 lb. Date of test 8th May 1916
 Lloyd's Test No. of Certificate 240 LBS 8/5/16 Can each boiler be worked separately Area of fire grate in each boiler 29.75 sq. ft. No. and Description of safety valves to each boiler Two Direct Spring. Diam. of each valve 2 3/4 ins. Pressure to which they are adjusted 125 lbs.
 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 boilers or uptakes and bunkers or woodwork 12" Mean dia. of boilers 9" 6" Length 10' 0"
 Material of shell plates Steel Thickness 5/8" Range of tensile strength 28/31 Are the shell plates welded or flanged No.
 Descrip. of riveting: cir. seams Double riv. long. seams Double straps Diameter of rivet holes in long. seams 13/16" Pitch of rivets 4 13/16" 2 13/32"
 Length of butt straps 12" x 5/8" Per centages of strength of longitudinal joint rivets 80.1 plate 83.1 Working pressure of shell by rules 123 lbs.
 Size of manhole in shell 15" x 11" Size of compensating ring 2' 6 1/2" x 2' 2 1/2" x 3/4" No. and Description of Furnaces in each boiler Two plain. Material Steel Outside diameter 35 ins. Length of plain part top 45" bottom 42" Thickness of plates crown 1/2" bottom 1/2"
 Description of longitudinal joint Weld No. of strengthening rings One Working pressure of furnace by the rules 150 lb. Combustion chamber plates: Material Steel Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 5/8" Pitch of stays to ditto: Sides 7 1/4" x 8 9/16" Back 8" x 7 7/8"
 Top 7" x 8 3/4" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 122 lb. Material of stays Steel Diameter at smallest part 1 5/16" Area supported by each stay 8 x 7 3/8" Working pressure by rules 154 lb. End plates in steam space: Material Steel Thickness 15/16" Diameter at smallest part 4 1/4"
 Pitch of stays 15 x 21 How are stays secured Double nut washers Working pressure by rules 124 lb. Material of stays Steel Diameter at smallest part 4 1/4"
 Area supported by each stay 21 x 15 Working pressure by rules 157 lb. Material of Front plates at bottom Steel Thickness 5/8" Material of Lower back plate Steel Thickness 5/8" Greatest pitch of stays 12 3/4" Working pressure of plate by rules 123 lb. Diameter of tubes 3 1/4"
 Pitch of tubes 4 1/2" x 4 5/16" Material of tube plates Steel Thickness: Front 5/8" Back 9/16" Mean pitch of stays 8 13/16" Pitch across wide water spaces 14" double 1/2" Working pressures by rules 140 lb. Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 6 1/2" x 1/2" (two) Length as per rule 24" Distance apart 4" Number and pitch of Stays in each Two @ 8 3/4"
 Working pressure by rules 130 lb. Superheater or Steam chest: how connected to boiler None 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 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 If stiffened 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

The foregoing is a correct description,

Kawasaki Dockyard Co., Ltd. Manufacturer.

Per J. Makajima Secretary.

Dates of Survey During progress of work in shops - 9th Aug. 11th Sept. 4th Oct. 4th Dec 1915
 while building During erection on board vessel - 8.17 Jan. 7.12 Feb. 8. Mar. 15.29 Mar. 8. Apr. 4.8 May. 1.7.16 Sep 1916
 Is the approved plan of boiler forwarded herewith Yes.
 Total No. of visits 18

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

This donkey boiler has been made under special survey in accordance with the requirements of the Rules & the material & workmanship have been found good.

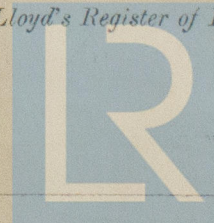
Survey Fee ... Yen 50 : When applied for, 1st Nov 1916
 Travelling Expenses (if any) £ : : When received, 18 - 19.16

FRI. 12 JAN. 1917

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

Committee's Minute

Assigned



Lloyd's Register Foundation

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