

REPORT ON BOILERS.

No. 2680

Received at London Office TUE. 24 FEB. 1920

Report 19 When handed in at Local Office 19 Port of *Kobe*
 Survey held at *Harima* Date, First Survey *23rd August* Last Survey *24th Novbr 1919*
 in the *Steel Single Screw Steamer Shunko Maru* (Number of Visits *13*) Tons { Gross *6786.01*
Yamafata Built at *Harima* By whom built *Harima Ship Co.* When built *1919*
 made at *Kobe* By whom made *Kobe Steel Works* When made *1919*
 made at *Kobe & Harima* By whom made *Centre boiler made by Harima Ship Co.* When made *1919*
 Horse Power *575* Owners *Goko Shokai* Port belonging to *Aomori*

TUBULAR BOILERS ~~MAIN~~, AUXILIARY OR ~~DONKEY~~. Manufacturers of Steel *Indvabe Steel Coy. L.S.A.*

record *S* Total Heating Surface of Boilers *1852 sq. ft.* Is forced draft fitted *Yes* No. and Description of
One single ended. Working Pressure *200 lbs.* Tested by hydraulic pressure to *400 lbs.* Date of test *25 Sept.*

Lloyd's Regt. *400 LBS.* Can each boiler be worked separately *Yes* Area of fire grate in each boiler *47.25 sq. ft.* No. and Description of
25.9.19 R. *Two spring loaded.* Area of each valve *9.62* Pressure to which they are adjusted *200 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 *✓* Mean dia. of boilers *13'-6"* Length *11'-6"*

of shell plates *Steel* Thickness *1 5/16* Range of tensile strength *26.7-32* Are the shell plates welded or flanged *no.*
 of riveting: cir. seams *DR L* long. seams *TR DBS* Diameter of rivet holes in long. seams *1 5/16* Pitch of rivets *8 3/4*

width of butt straps *20"* Per centages of strength of longitudinal joint *87.65* Working pressure of shell by
109 lbs. Size of manhole in shell *12 x 16* Size of compensating ring *2'-9" x 2'-5" x 1 5/16* No. and Description of Furnaces in each

3 Morrison Material *Steel* Outside diameter *40 1/2* Length of plain part *✓* Thickness of plates *9 1/16*
 on of longitudinal joint *weld* No. of strengthening rings *✓* Working pressure of furnace by the rules *204 lbs* Combustion chamber

Material *Steel* Thickness: Sides *25/32* Back *2 1/32* Top *23/32* Bottom *25/32* Pitch of stays to ditto: Sides *10 1/2 x 8* Back *8 3/4 x 7 1/2*
x 8 If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *200 lbs* Material of stays *Steel* Area at

part *1.79* Area supported by each stay *68 sq. in.* Working pressure by rules *206 lbs* End plates in steam space: Material *Steel* Thickness *1 1/8*
 stays *8 1/4 x 16 1/2* How are stays secured *DN + W* Working pressure by rules *202* Material of stays *Steel* Area at smallest part *7.5*

ported by each stay *302.6 sq. in.* Working pressure by rules *245 lbs* Material of Front plates at bottom *Steel* Thickness *24/32* Material of
 back plate *Steel* Thickness *27/32* Greatest pitch of stays *14 x 14* Working pressure of plate by rules *280 lbs* Diameter of tubes *3"*

tubes *4 1/2 x 4 1/4* Material of tube plates *Steel* Thickness: Front *22/32* Back *7/8* Mean pitch of stays *8 1/2* Pitch across wide
 plates *14"* Working pressures by rules *200 lbs* Girders to Chamber tops: Material *Steel* Depth and thickness of

at centre *11 1/2 x 1 5/8* Length as per rule *34 5/32* Distance apart *10 1/2* Number and pitch of Stays in each *3 @ 8"*
 pressure by rules *249 lbs* Steam dome: description of joint to shell % of strength of joint

Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 rivets Working pressure of shell by rules Crown plates Thickness How stayed

HEATER. 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

of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,
 THE TEIKOKU STEAMSHIP CO., LTD. Manufacturer.

During progress of work in shops -- *Aug 23, Sept 11, 15, 18, 22 & 25th* Is the approved plan of boiler forwarded herewith *Yes*
 During erection on board vessel -- *Oct 10, 24, Nov 4, 8, 18, 22 & 24th* Total No. of visits *13*
 Director

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

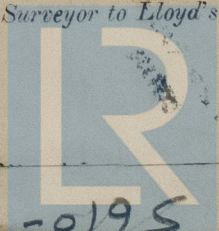
The Boiler has been made and fitted under special
 Survey in accordance with the requirements of the Rules
 and the materials and workmanship have been found
 good.

Survey Fee included in : When applied for, 19
 Travelling Expenses (if any) £ *machinery* When received, 19

Committee's Minute FRI. 27 FEB. 1920

signed see for rpt attached

R. B. Patchett
 Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
 Foundation

007506-007517-0195