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REPORT ON BOILERS.

No. 3311-C

Received at London Office

te of writing Report 17 August 1960 When handed in at Local Office 19 Port of YOKOHAMA
ch. No. in Survey held at YOKOHAMA Date, First Survey 4-3-1960 Last Survey 28-6-1960
g. Book. (Number of Visits 6)
538 on the SUMIDA MARU Tons { Gross 9431
Net 5330
ilt at Yokohama By whom built Yokohama Shipyard & Engine Works
Mitsubishi Nippon Hvy. Ind. Ltd. Yard No. S 836 When built 2-1960
gines made at Yokohama By whom made -"- Engine No. D37823 When made 3-1960
lers made at Osaka By whom made Hirano Iron Works Ltd. Boiler No. B1639 When made 2-1960
ners Nippon Yusen Kaisha Port belonging to Tokyo

RTICAL BOILER.

de at Osaka By whom made Hirano Iron Works Ltd. Boiler No. B 1639 When made Feb: '60 Where fixed Eng. Room
Lower Platform
ss. forward
Manufacturers of Steel Please see Kob Rpt 5b No. FE-7764
Shipping. al Heating Surface of Boiler - " - Is forced draught fitted Yes Coal or Oil fired Oil
and Description of Boilers One; Cochran Type Working Pressure 100 lb/sq in.
ted by hydraulic pressure to - Date of test - No. of Certificate B 1639
a of fire grate in each Boiler - No. and description of safety valves to each boiler One; 60mm dia: High Lift
a of each set of valves per boiler { per Rule 50.16 sq cm
as fitted 56.54 sq cm Pressure to which they are adjusted 102 lb/sq in. Are they fitted with easing gear Yes
e whether steam from main boilers can enter the donkey boiler - Smallest distance between boiler or uptake and bunkers
woodwork 1 metre Is oil fuel carried in the double bottom under boiler No Smallest distance between base of boiler and tank top plating
Is the base of the boiler insulated Yes Largest internal dia. of boiler Height
l plates: Material Tensile strength Thickness
the shell plates welded or flanged If fusion welded, state name of welding firm
e all the requirements of the Rules for Class I vessels been complied with Description of riveting: circ. seams { end
inter
seams Dia. of rivet holes in { circ. seams Pitch of rivets { Percentage of strength of circ. seams { plate
long. seams rivets
ngitudinal joint { plate
rivets Thickness of butt straps { outer
inner Shell Crown: Whether complete hemisphere, dished partial
rical, or flat Material Tensile strength Thickness
us Description of Furnace: Plain, spherical, or dished crown Material
ile strength Thickness External diameter { top
bottom Length as per Rule
of support stays circumferentially and vertically Are stays fitted with nuts or riveted over
meter of stays over thread Radius of spherical or dished furnace crown
kness of Ogee Ring Diameter as per Rule { D
d
bustion Chamber: Material Tensile strength Thickness of top plate
us if dished Thickness of back plate Diameter if circular
th as per Rule Pitch of stays
stays fitted with nuts or riveted over Diameter of stays over thread
Plates: Material { front
back Tensile strength { Thickness { Mean pitch of stay tubes in nests
mprising shell, dia. as per Rule { front
back Pitch in outer vertical rows { Dia. of tube holes FRONT { stay
plain BACK { stay
plain
ch alternate tube in outer vertical rows a stay tube
ers to Combustion Chamber Tops: Material Tensile strength
h and thickness of girder at centre Length as per Rule
ance apart No. and pitch of stays in each



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Crown Stays: Material..... Tensile strength..... Diameter { at body of stay or over threads.....
No. of threads per inch..... Screw Stays: Material..... Tensile strength.....
Diameter { at turned off part or over threads..... No. of threads per inch..... Are the stays drilled at the outer ends.....

Tubes: Material..... External diameter { plain or stay..... Thickness {.....
No. of threads per inch..... Pitch of tubes.....

Manhole Compensation: Size of opening in shell plate..... Section of compensating ring..... No. of rivets and diam of rivet holes.....
Outer row rivet pitch at ends..... Depth of flange if manhole flanged.....

Uptake: External diameter 800mm..... Thickness of uptake plate 4.5mm.....

Cross Tubes: No. -..... External diameters { -..... Thickness of plates -.....

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with..... Yes

The foregoing is a correct description,

H. Suzuki
Yokohama Shipyard & Engine Works

Dates of Survey { During progress of work in shops -- { Please see Kob Rpt 5b No. FE-7764 Is the approved plan of boiler forwarded herewith No. 13-
while building { During erection on board vessel --- { 4-3-'60; 12-5-'60; 10,11,17,28-6-'60 (If not state date of approval.)
Total No. of visits 6

Is this Boiler a duplicate of a previous case Yes..... If so, state Vessel's name and Report No. SAITAMA MARU Rpt 5b No. 2966-.....

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

This boiler has been satisfactorily installed in the vessel, examined under steam, safety valves adjusted and satisfactory accumulation test witnessed.

It is submitted that this installation is eligible to be classed with this Society with the notation Aux. B. 100 lb/sq inch.

Survey Fee Installation £..... When applied for..... 19.....
(please see Kob Rpt 5b No. FE-7764) }
Travelling Expenses (if any) £..... When received..... 19.....
(please see accompanying Yka Rpt 4b)

Date FRIDAY 14 OCT 1960
Committee's Minute See Rpt. 1

J. Winn.
Engineer Surveyor to Lloyd's Register of Shipping



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