

REPORT ON BOILERS.

No. 2121

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19214, AR-1b.
ver. Yes
pressure...
ell plate 2
d plate 3
mm² 25kg
pressure /mm²
rate fuel tanks
28-10-53
1954
ers
ers
ce with
deck ar
3,54 T.
be Plates:
omprising shell,
each alternate tube
ers to Combustion Chamber Tops:
th and thickness of girder at centre
tance apart

of writing Report 19 When handed in at Local Office MAY 27. 1954 19 Port of Kobe
Survey held at Tamano, Japan Date, First Survey 12th Aug. '53 Last Survey 12th Mar., 1954
Book. (Number of Visits 16)
on the Steel Single Screw Motor Ship "HAKONESAN MARU" Tons { Gross 6927.05 Net 3838.75
at Tamano, Japan By whom built Mitsui Shipbuilding & Engineering Co., Ltd. Yard No. 580 When built Mar. 1954
ines made at Tamano, Japan By whom made Mitsui Shipbuilding & Engineering Co., Ltd. Engine No. 505 When made Mar. 1954
ers made at Tamano, Japan By whom made Mitsui Shipbuilding & Engineering Co., Ltd. Boiler No. 369 When made Mar. 1954
ers Mitsui Sempaku K.K. Port belonging to Tokyo

VERTICAL BOILER.

By whom made Mitsui Shipbuilding & Engineering Co., Ltd. Boiler No. 369 When made Mar. 54 Where fixed in Eng. Room
Boiler room port
Plates: Yawata Steel Iron Works, The Japan Works Ltd., Muroran Works, Fukiai Plant of
Manufacturers of Steel Kawasaki Steel Corp.; Tubes: Sumitomo Metal Ind. Ltd., Amagasaki Tube Works.

al Heating Surface of Boiler 24.3 m² Is forced draught fitted Yes Coal or Oil fired Oil

and Description of Boilers 1; Vertical Cochran type Working Pressure 7 kg/cm²

ted by hydraulic pressure to 14 kg/cm² Date of test 9th Feb., 1954 No. of Certificate B-18605

ea of fire grate in each Boiler - No. and description of safety valves to each boiler 1; Double spring ordinary type

ea of each set of valves per boiler { per Rule 6078 mm² as fitted 3318 "x2 Pressure to which they are adjusted 7.1 kg/cm² Are they fitted with easing gear Yes

te whether steam from main boilers can enter the donkey boiler No Smallest distance between boiler or uptake and bunkers

woodwork - Is oil fuel carried in the double bottom under boiler - Smallest distance between base of boiler and tank top plating

1200 mm. Is the base of the boiler insulated Yes Largest internal dia. of boiler 1576 mm Height 4800 mm

all plates: Material O. H. steel Tensile strength 46.8-50.0 kg/cm² Thickness 12 mm

the shell plates welded or flanged Welded If fusion welded, state name of welding firm Mitsui Shipbuilding & Engineering Co., Ltd.

ve all the requirements of the Rules for Class I vessels been complied with Yes Description of riveting: circ. seams { end - inter -

g. seams - Dia. of rivet holes in { circ. seams - long. seams - Pitch of rivets { - Percentage of strength of circ. seams { plate - rivets -

ongitudinal joint { plate - rivets - combined - Thickness of butt straps { outer - inner - Shell Crown: Whether complete hemisphere, dished partial

erical, or flat Dished partial spherical Material O.H. steel Tensile strength 46.6 kg/cm² Thickness 16 mm

lius 1400 mm Description of Furnace: Plain, spherical, or dished crown Spherical crown Material O.H. steel

nsile strength 46.6 kg/cm² Thickness 12 mm External diameter { top - bottom 1300 mm Length as per Rule -

ch 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 638 mm

ce with thickness of Ogee Ring 22 mm Diameter as per Rule { D 1600 mm d 1300 mm

nbustion Chamber: Material - Tensile strength - Thickness of top plate -

dius if dished - Thickness of back plate - Diameter if circular -

ngth as per Rule - Pitch of stays -

e stays fitted with nuts or riveted over - Diameter of stays over thread -

be Plates: Material { front O.H. steel back O.H. steel Tensile strength { front 47.1 kg/cm² back 47.2 kg/cm² Thickness { 26 mm 23 mm Mean pitch of stay tubes in nests 277.5 mm

omprising shell, dia. as per Rule { front - back - Pitch in outer vertical rows { 180 mm 180 mm Dia. of tube holes FRONT { stay 71 mm plain 68 mm BACK { stay 65 mm plain 65 mm

each alternate tube in outer vertical rows a stay tube Yes

ers to Combustion Chamber Tops: Material - Tensile strength -

th and thickness of girder at centre - Length as per Rule -

tance apart - No. and pitch of stays in each -



