

REPORT ON WATER TUBE BOILERS.

No. 1960

Received at London Office.

Writing Report

19

When handed in at Local Office FEB. 25 1954

Port of

Kobe

Survey held at

Tamano, Japan

Date, First Survey

10-7-53

Last Survey

28-11-1953

Book

(Number of Visits 23)

Gross 1,362.72

on the

Steel Single Screw Motor Vessel "OMUROSAN MARU"

Tons

Net 777.31

at

Tamano, Japan

By whom built

Mitsui S.B. & E. Co. Ltd

Yard No.

573

When built

Nov. 53

made at

Tamano, Japan

By whom made

Mitsui S.B. & E. Co. Ltd

Engine No.

494

When made

Nov. 53

made at

Tamano, Japan

By whom made

Mitsui S.B. & E. Co. Ltd

Boiler No.

366, 367

When made

Nov. 53

al Horse Power

Owners

Mitsui Senpaku K.K.

Port belonging to

Tokyo

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

PLATE—Kawasaki Steel Corp. Fukuoka Plant
TUBE—Susaitomo Metal Ind., Tube Works

Approval of plan

19-6-53

Boilers

2. Double Evaporation Water Tube Boiler

Working Pressure

Primary 50 kg/cm²

Secondary 12.5 kg/cm²

No. and Description or Type

22-9-53

Certificate

B. 502

Can each boiler be worked separately

yes

Total Heating Surface of Boilers

5155.96

ced draught fitted

yes

Area of Fire Grate (coal) in each Boiler

No. and description of safety valves on

nd type of burners (oil) in each boiler

2. Pressure jet oil burners

Primary: 2, High Lift Spring Loaded Safety Valves

Secondary: 1, Set Spring Loaded Safety Valves

Area of each set of valves per boiler

per rule As approved

as fitted Pry 31.8 CM² Sec. 1.90 CM²

Pressure to which they

adjusted

Pry 50 kg/cm² Sec. 12.8 kg/cm²

Are they fitted with easing gear

yes

In case of donkey boilers state whether steam from main boilers can enter

donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork

Height of boiler 7.80 m

Ends and length

3445 mm x 3957 mm

Steam Drums

Number in each boiler

2

Inside diameter

Pry 720 mm Sec. 1770 mm

ness of plates

Pry 40 mm Sec. 15 mm

Range of tensile strength

Pry 44.8~45.6 kg/mm² Sec. 48.1 kg/mm²

Are drum shell plates welded

nged

Pry WELDED Sec. RIVETED

If fusion welded, state name of welding firm Kawasaki Dockyard Co. Ltd Kobe

Have all the requirements of the Rules

lass I vessels been complied with

yes

Description of riveting:—Circ. seams

Single Riveted Lap joint

long. seams Triple riveted lap joint

eter of rivet holes in long. seams

Sec. 22 mm

Pitch of rivets

72 mm

Thickness of straps

—

Percentage strength of

Pry 36.4 mm long 60 mm CIR. Sec. 43.9~44.8 kg/mm²

Pitch of tube holes

156 mm long 148 mm CIR.

joint:—Plate

69.4

Rivet

84.5

Diameter of tube holes in drum

38.7 x 77.2 mm

Range of tensile strength

Sec. 46.2~46.8 kg/mm²

Water Drums

Number

—

Percentage strength of shell in way of tubes

Pry 40 mm Sec. 20 mm

Radius or how stayed

Pry 600 mm Sec. 1270 mm

Size of manhole or handhole

305 mm x 405 mm

Water Drums

Number

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