

STEEL STEAMER or MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report

Port of Nagasaki (Shimonoseki)

No. 95

Survey held at Nagasaki

Date First Survey

30th April, 1957

Last Survey

22nd October, 1957

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Single Screw Motorship "KOHOKU MARU"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Complete superstructure without tonnage opening

State Type of Erections

Forecastle

TONNAGE under Tonnage Deck

8100.49

Do. of space or spaces between Tonnage Dk. and Upper Dk.

8100.49

Total

9208.44

Gross Tonnage

Net Tonnage

5350.46

REGISTERED DIMENSIONS.

FEET

469.5

63.7

40.0

CLASS

State if with freeboard as condition of Class

FEET

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

459.32

Breadth (greatest moulded)

B 63.65

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 40.03

1st Longitudinal Number (L x D)

2nd Numeral L x (B + D)

Framing Depth "d," at middle of length. See Sec. 3 (1d)

11.47

Proportions—Depth to Length—Uppermost continuous deck to top of keel

Do. Long Bridge to top of keel

Draught Moulded (Summer Fbd. 10.57!)

29.53

Built at Nagasaki

Launched 13th July, 1957 Yard No. 1197

Builders Mitsubishi Zosen K.K.

Owners Daido Kaiun K.K.

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry Kobe

If surveyed while building, afloat, or in dry dock While building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
AMES, Spacing amidships	800	/	Bracket Floors, Frame	-	/
" " from $\frac{1}{2}$ length amidships to Collision bulkhead	685	/	" " Reversed Frame	-	/
" " in peaks	610	/	" " Vertical Struts	-	/
DE FRAMING.			Centre Girder, depth and thickness amidships	1500 x 13.5	/
Frame Amidships, Angle, \angle or \square Inverted	300 x 90 x 11/16	/	" " top Angles	Welded	/
" " Extends up to	3rd DK.	/	" " bottom Angles	Welded	/
Reversed Frame Amidships, Angle	-	/	Side Girders, No. each side and thickness	One, 9.5	/
" " Extends up to	-	/	Margin Plate depth (excl. of flange) and thickness	1020 x 14	/
Depth of Framing Girder	300	/	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	Welded	/
Frames in Uppermost Continuous 'tween Decks, Angle, \angle or \square B. Plate	200 x 10	/	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area	Welded	/
" " Second 'tween Decks, Angle, \angle or \square B. Plate	230 x 12	/	" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	12.5 x 400	/
" " Third " " " "	-	/	" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area	12.5 x 400	/
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	300 x 90 x 10/16 Inv. Angle	/	Tank Side Brackets, height above base line at toe of Frame and thickness	1550 x 12.5	/
" " in Peaks, Angle, \angle or \square Bulb Plate	300 x 12 web with 150x12 Face Bar	/			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	Welded	/	INNER BOTTOM PLATING.		
State if Frame Joggled	Upper tween deck only	/	Breadth and thickness of Middle Line Strake	1370 x 13	/
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	/	Thickness of remainder in Holds	11.5	/
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	/	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	Yes	/
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds		/	Uppermost Continuous Deck, amidships in Wells, Angle, \angle or \square	See Report 1st attached	/
Height of Brackets at side above base line at toe of frame		/	" " in way of Bridge, Angle, \angle or \square		/
Middle Line Keelson, on Floors, Angles, \angle or \square		/	Spacing		/
" " Through Plate or Inter-costal Plate	None	/	B. Plate		/
" " Foundation Plate on Floors		/	Second Deck, amidships, Angle, \angle or \square	250 x 12	/
" " Flat Plate Keel Angles		/	Spacing	800	/
Side Keelsons, No. each side		/	Third Deck, amidships, Angle, \angle or \square	230 x 12 B. Plate	/
" " thickness of Inter-costal Plate		/	Spacing	800	/
" " Angles		/	Fourth Deck, amidships, Angle, \angle or \square		/
DOUBLE BOTTOM.			Spacing		/
Solid Floors, thickness and spacing	11.5 @ 2400	/	Poop Deck, Angle, \angle or \square	None	/
" " Are Frame and Reversed Frame joggled?	Welded	/	Spacing		/
Bracket Floors, breadth and thickness at middle line	875 x 10.5	/	Bridge Deck, Angle, \angle or \square Inverted	125 x 75 x 7	/
" " breadth and thickness at margin plate	800 x 11	/	Spacing	800	/
			Forecastle Deck, Angle, \angle or \square B. Plate	200 x 10	/
			Spacing	685/610	/

PILLARS AND DECKS.

[illegible]

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED LAPPH
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	1360	22.5	22.5	22.5	/	Double	22	8	rivs. each row	Inches.	Inches.	/
„ Dblg. (if any)	-	-	-	-		-						
Bottom Plating, No. of Strakes		17.5	20.5	18.5	/	Welded	-					/
Bilge Plating, No. of Strakes		17.5	17.5	17	/	Double	22	8	rivs. each row			/
Side Plating, No. of Strakes		17	13	13	/	Welded except common seam G/H strakes D.R./	22	"	"	"		/
Upper Deck, Sheer- strake in Wells.....		21.5	13	14	/	Double	22	"	"	"		/
Upper Deck, Sheer- strake in Bridge ...		21.5			/	"	"	"	"	"		/
Strake below Sheer- strake in Wells		17	13	13	/	Welded					All shell	/
Strake below Sheer- strake in Bridge ...		17			/	"					Welded	/
Poop Side Plating.....		-	-	-								
Bridge Side Plating.....		-	-	-								
Forecastle Side Plating		-	11	-	/	Welded						/

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) _____ 6 7 in R.B.

„ Deck next below _____ 2

As per Rule _____ 7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Details from Appr Plans to be
KEEL, Bar	Plate			✓
STEM	"			
STERN { Propeller Post	"			
FRAME { Rudder "	Casting	As Appr	Mitsubishi Steel Mfg	✓
Speed of Vessel	16 K			✓
RUDDER—Type	Balanced			✓
" A × D.....	1390			✓
" Diam. of head ✓.....	Forging	315		✓
" Mainpiece at top pintle				
" " heel ✓.....	Casting	As Appr	Mitsubishi Steel Mfg	✓
" how constructed	Welded plates &			diaphragm
" double or single plate	Double			✓
" coupling, vertical or	Horizontal			✓
" horizontal				✓

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks	7/7.5	125x75x7	Inv. angle	@375	/
"	Second	7.5/8	150x90x9	" "	@688	/
"	Third	-				
"	Holds	10	Corrugated			/
COLLISION	(in Hold)	11/12	180x95 B.P.	200x10 B.P.	@625	/
AFTER PEAK	9/13	150x90x12	Inv. angle	@700	/

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).
Yawata Steel Works (Open Hearth) ✓

Has the Steel been tested as required by the Rules? Yes ✓

HAWSERS AND WARPS.

Builder's Signature.

NAGASAKI WORKS

MITSUBISHI ZOSEN KABUSHIKI KAISHA

YAMAGUCHI SHIPBUILDING & ENGINEERING CO. LTD.

DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel Motorship
whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo Yes The positions in which oil is carried as fuel or cargo should
be stated, together with the flash point (where required to be inserted in the Notation).

Ship has been built under Special Survey in conformity with the Society's Rules and conditions and the Secretary's letters. The scantlings and arrangements of the vessel are as shown in the report and as shown on the "Approved" plans, and on the "As built" plans now on file. All modifications or additions to the original approved arrangements have been shown on the plans and have been approved as being in accordance with, or by standards equivalent to the Rules requirements. The plans of Midship Section and Profile and Decks and the ship as built and forwarded herewith have been checked with the approved arrangements and found in order. The materials and workmanship are good. All D.B. tanks, peak tanks, oil fuel tanks and cofferdams have been tested as required by the Rules and found satisfactory. The weather decks, watertight bulkheads, shell and decks in way of refig. spaces, cargo hold and watertight door, have been hose tested. The windlass and steering gear have been tested under working conditions & found satisfactory. The assigned freeboard have been measured on the ship's sides, verified, and cut in. Oil fuel, flash point above 150°F. is used in Nos. 1, 2, 3, 5, 6, 7 & 8 D.B. tanks, and in the engine room settling tanks. Vegetable oil is carried in deep tanks abaft the engine room.

Entry Fee.....	as per Scale	₹2,094,000	Fees applied for,
al Rebate 33 1/3%		698,000	NOV. 11 1957
l Charge made			19
al Survey Fee.....		₹1,396,000	LOCALLY

(Special notations, where part of class, to be stated.)

Received by me,

I am of opinion the Vessel should be Classed † 100 A.1.

te whether the Vessel has been built under Special Survey Yes

Signature _____

Surveyor to Lloyd's Register of Shipping.

tificate to be sent to Nagasaki

Date of issue.

Committee's Minute

TUESDAY 31 DEC 1957

Character assigned

+100A1

Carrying vegetable oil in D.T.S.

LACR

98 10. 57

+LMC

ES

DBS

75 E1

10. 57

NOTED FOR POSTING 485

Noted

for

Header

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Lloyd's Register

012542-012548-0206^{3/3}

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and the Plans should be embodied.)

Sister vessels - M.S. "KOCHU MARU", Nagasaki Yard No. 1445. Shimonoseki Report No. 450

- M.S. "KOSOH MARU", " " " 1465 " " No. 750

- M.S. "KOSEI MARU", " " " 1485 " " No. 775

- Loadline assigned by the Japanese Government

Ship examined in dry dock on 5th October and undocked - 10th October, 1957.

The following Approved Plans are now forwarded "Midship Section and Profile and Decks (2 Sheets).

The following "As built" plans are forwarded with this report:-

Midship Section

Const. Profile and Decks (Sheets 1 & 2)

W.T. and O.T. Bulkheads

Double Bottom (Sheets 1 & 2)

After Peak

Fore Peak

Shell Expansion

Sternframe, Rudder

Location & particulars of P.403 plating

Capacity plan, & General Arrangement

Pumping Plan

Hydrostatic Curves

The following forging and casting certificates are forwarded with this report

Sternframe

Rudder stock, Upper & Lower castings for rudder

Steering gear crosshead. Tiller.

PARTICULARS OF ELECTRIC WELDING (if employed)

The vessel is of all welded construction with the exception of the following riveted connections:- Upper deck stringer angle, sheerstrake seams, common seam of side shell. Strakes G/H, seams of bilge strakes and keel plating, and foundation connection at ends of midship deckhouse.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Part electrically welded, Cruiser stern, Lloyd's A & C.P., D.F., E.S.D., Radar, Gyro compass, Carrying vegetable oil in deep tanks aft, Longitudinal framing at bottom and at Upper deck.

RADAR Equipment (State if fitted) Yes

State Type or Pattern No. Sperry MK2 Model 10

State } Maker Tokyo Keiki K.K.
Name } and/or
of } Supplier Tokyo

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	55.3.15 - K.N. - Y/10578 - 30-5-57 ✓
2nd "	55.3.4 - K.N. - Y/10577 - 30-5-57 ✓
3rd "	55-0-22 - K.N. - Y/10579 - 30-5-57 ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 44'

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 79511 Signal Letters JGJY Extreme Breadth over Belting 63'-9½" (Circ. 1611) Over-all Length 496.16' (Circ. 1703)

No. and Material of Decks 3 Steel (except in Nos. 4 & 6 Holds) Rise of floor 6.69" (170mm.)

Parts of Bottom of Vessel coated with cement or approved composition Fore peak, after peak, and feed water tank in machinery space double bottom.

Particulars of composition (if fitted) and of approval None

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	118	466	Fore peak tank,	35	181
Double bottom, under Engines and Boilers,	53	F.W. &	After peak tank,	20	F.W.
Double bottom, if under Engines only,	-	oil fuel	Deep tank, aft (including Exp. Trunks)	47	705
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	193	665	Other tanks, if fitted, Tank Abreast Tunnel	24	145
Total length (if continuous) and Capacity	364	1,131	(If necessary furnish further information by sketch.)		

Order for Special Survey No. —

Date 22nd June, 1957

Dates of Surveys held while building

1957 April - 30

May - 2, 3, 6, 7, 8, 9, 10, 11, 13, 14, 15, 17, 20, 21, 23, 25

June - 1, 6, 11, 12, 13, 15, 18, 19, 20, 21, 22, 24, 25, 26, 27, 28, 29

July - 1, 2, 3, 4, 5, 7, 8, 9, 10, 11

August - 2, 5, 8, 12, 13, 17, 19, 27, 29, 30, 31

Sept. - 27, 30. Oct. - 9, 22.

Total No. of Visits 59