

21 FEB 1958

STEEL STEAMER OR MOTORSHIP.

14 FEB 1958

DISCLOSED

Received at London Office

SECTION

No. 962

State if Report has been sent on the Freeboard of the Vessel No
State if Report is sent on the Machinery of the Vessel YesDate of completion of report Port of Nagasaki (Shimonoseki) No. FE-835
Survey held at Nagasaki Date First Survey 18th July, 1957 Last Survey 7th January, 1958

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

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete superstructure without tonnage openings Type of Erections Forecastle

TONNAGE under 8,100.49
Tonnage Deck

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

8100.49

9202.13

5345.34

REGISTERED DIMENSIONS.

FEET

469.5

63.7

40.0

CLASS 100A1

State if with freeboard as condition of Class No

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) =

Proportions—Depth to Length—Uppermost continuous deck to top of keel = 11.47

Do. Long Bridge to top of keel =

Draught Moulded Summer Fbd. 10.57 29.53

Built at Nagasaki

Launched 28th Sept., 1957 Yard No. 1198

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.
MES, Spacing amidships.....	800	/	Bracket Floors, Frame	-	/
" " from 1/2 length amidships to Collision bulkhead.....	685	/	" " Reversed Frame.....	-	/
" " in peaks	610	/	" " Vertical Struts	-	/
FRAMING.			Centre Girder, depth and thickness amidships	1500 x 13.5	/
Frame Amidships, Angle, \square or \square Inverted	300 x 90 x 11/16	/	" " top Angles	Welded	/
" " Extends up to.....	3rd Deck	/	" " 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 1/2 len. from stem	Welded	/
Frames in Uppermost Continuous 'tween Decks, Angle, \square or \square B. Plate	200 x 10	/	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	Welded	/
" " Second 'tween Decks, Angle, \square or \square B. Plate	230 x 12 (at Transverses)	/	" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	12.5 x 400	/
" " Third " " " "	230 x 12	/	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	12.5 x 400	/
" " from 1/2 len. for'd. to 15% len. from Stem	300 x 90 x 11/16 Inv. Angle	/	Tank Side Brackets, height above base line at toe of Frame and thickness	1550 x 12.5	/
" " in Peaks, Angle, \square or \square Bulb Plate	300 x 12 Web with 150 x 12 Face Bar	/	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	230 x 12	/	Breadth and thickness of Middle Line Strake.....	1370 x 13	/
State if Frame Joggled.....	Welded	/	Thickness of remainder in Holds	11.5	/
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Upper Tween Deck Only	/	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	/
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	/	BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, \square or \square	See Report 1* attached	/
Frames, Depth and thickness at mid-line in Holds.....		/	" " in way of Bridge, Angle, \square or \square	-	/
Height of Brackets at side above base line at toe of frame.....		/	Spacing	-	/
Middle Line Keelson, on Floors, Angles, \square or \square		/	B. Plate	250 x 12	/
" " Through Plate or Inter-costal Plate	None	/	Second Deck, amidships, Angle, \square or \square	800	/
" " Foundation Plate on Floors		/	Spacing		/
" " Flat Plate Keel Angles		/	B. Plate	230 x 12	/
Keelsons, No. each side.....		/	Third Deck, amidships, Angle, \square or \square	800	/
" " thickness of Inter-costal Plate.....		/	Spacing		/
" " Angles		/	Fourth Deck, amidships, Angle, \square or \square	None	/
DOUBLE BOTTOM.			Spacing		/
Solid Floors, thickness and spacing	11.5 @ 2400	/	Poop Deck, Angle, \square or \square Inverted		/
" " Are Frame and Reversed Frame joggled?	Welded	/	Spacing		/
Bracket Floors, breadth and thickness at middle line	875 x 10.5	/	Bridge Deck, Angle, \square or \square Inverted	125 x 75 x 7	/
" " breadth and thickness at margin plate.....	800 x 11	/	Spacing	150 x 90 x 9	/
			Forecastle Deck, Angle, \square or \square B. Plate	800	/
			Spacing	200 x 10	/
				685/610	/

PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows			Stringer Plate, breadth and thickness in way of Bridge	400 x 10.5	/
" in 'tween Decks, Size and Spacing		Pillars in	Thickness of Plating abreast Deck openings in way of Wells	9.5	/
" " " " " "		Accordance	Thickness of Plating abreast Deck openings in way of Bridge	9.5	/
" in Holds " " " "		with approved	Thickness of Plating within line of openings	7.5	/
" " " " " "		plans	If Sheathed, material and thickness	-	/
Centre Line Bulkhead. Stiffeners and Spacing		None	Third Deck. Stringer Plate, breadth and thickness	400 x 10	/
Plating, thickness of		-	If Plated, state thickness	7.5	/
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells	22	/	Fourth Deck. Stringer Plate, breadth and thickness		
" " " " in way of Bridge	22	/	If Plated, state thickness	None	/
" Angle in Wells	180 x 180 x 25	/	Poop Deck. Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells	22	/	Plating, Sheathing, material and thickness		
Thickness of Plating abreast Deck openings in way of Bridge	22	/	Bridge Deck. Stringer Plate, breadth and thickness	7	/
Thickness of Plating within line of openings	9.5	/	Plating, Sheathing, material and thickness	Deck Comp. Accom	
If Sheathed, material and thickness	Deck comp. Accommodation	/	Forecastle Deck. Stringer Plate, breadth and thickness	10	/
Second Deck. Stringer Plate, breadth and thickness in Wells	400 x 10.5	/	Plating, Sheathing, material and thickness	8 & 14	/

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 LAPPED	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	1360	22.5	22.5	22.5			22	8					
Flat Plate Keel.....	1360	22.5	22.5	22.5	/	Double	22	8	Rivets each row			/	
„ Dblg. (if any)	-	-	-	-		-						/	
Bottom Plating, No. of Strakes3...}		17.5	20.5	18.5	/	Welded						/	
Bilge Plating, No. of Strakes2...}		17.5	17.5	17	/	Double	22	8	Rivets in each row			/	
Side Plating, No. of Strakes3...}		17	13	13	Welded Except Common Seam G/H Strakes	"	22	8	"	"	"	"	
Upper Deck, Sheer- strake in Wells.....}		21.5	13	14	/	"	22	8	"	"	"	"	
Upper Deck, Sheer- strake in Bridge ...}		21.5	-	-	/		22	8	"	"	"	"	
Strake below Sheer- strake in Wells.....}		17	13	13	/	Welded						/	
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)

" Deck next below

As per Rule

6 7 for RB

2

7

FORGINGS AND CASTINGS.

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

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	7/7.5	125 x 75 x 7	Inv. Ang. SPAC	75	/
" " Second " "	7.5.8	150 x 90 x 9	" "	688	/
" " Third " "	-				
" " Holds	10	Corrugated			/
COLLISION " (in Hold)	9/11.5	200 x 10 BP	625		/
AFTER PEAK "	9/13	150 x 90 x 12	Inv. Ang. SPAC	700	/

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)

STEEL.

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

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PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
	In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam. Ins.	Speng. Ins.		Number.	Diameter. Inches.
of L, C or C												
in Bridge 'tween Decks ...												
from Uppermost Continuous												
Plating No. 1												
" 2												
" 3												
" 4												
" 5												
" 6												
" 7												
" 8												
" 9												
" 10												
" 11												
" 12												
" 13												
" 14												
" 15												
" 16												
ing of { Amidships												
itudinal { At Ends												
{ Tank Top Longitudinals	210	x 11	/	210	x 11	/						
{ Bottom "	230	x 11	/	230	x 11	/	All welded construction					
{ Plate { Amidships		875	/		875	/	No departure from App. Drgs. /					
{ Longitudinals { At ends...		875	/		875	/						
Transverses.												
{ Depth and Thickness												
{ Face Angles												
{ Lugs to Shell*												
{ Depth and Thickness												
{ Face Angles												
{ Lugs to Shell*												
{ Depth and Thickness												
{ Face Angles												
{ Lugs to Shell*												
{ " " Back Bars												
{ Brackets												
of Transverse Frames ...												
State if joggled or liners.												
al												
f												
d												
Bridge Deck	140	x 90	x 12	/			All welded	875				
Upper "												
8x28x12												
TKK												

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., to be entered in their respective places provided for on the Report Forms.

NOTE.—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, &c., on the first page.

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Alint/Vag.

EQUIPMENT No. 4544 Metric 48912															LETTER of				ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.		Makers.	Where and when tested, and Superintendent.					
11256	1st Bower	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.										
		84	1	19	-	-	-	61	-	-	-	81 3/4				Tokyo steel	Tokyo 9/9/57					
11255	2nd "	84	-	3	-	-	-	61	-	-	-	"				Casting Co.	D. Ogata					
11254	3rd "	83	3	9	20	-	-	60	10	-	-	"										
	Collective weight																					
	Stream																					

CHAIN CABLES.												HAWSERS AND WARPS.					
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Tons.	Length.
4103	556.31	58	33,400	186,900	43,674	38,640	550	57	CC Stud Link	Osaka Chain & Mfg. Co.	Osaka 12/9/57 H. Nishizawa	TOWLINE	240m			220	84 10
												Manilla					
												HAWSERS & WARPS	2@ 200	65		4@	
													2@ 200	70		200	236 55
Stream in or Wire																	

Steering Gear, Type (Power or hand)	Electro Hydraulic (20 HP x 2) X		Alternative Means of Steering		Hand Pump	
Steering Chains (Size and Test)	None		Windlass		Electric (80 H.P.) X	
Boats	2 Wood					
Stowage in Holds, thickness and material	65mm S.W. on 13mm bearers		Cargo Battens, thickness, material and spacing		150x50 S.W.	
Deck Hatchways.—(Upper Deck)	12mm Steel Coamings Welded to Deck		Thickness of Hatches		75mm	
Trays No. 1 (Fwd.)	9590x5000		No. 2	12800x7000		No. 3
Lifting Beams and Afters	No. 1 - 6		No. 2 - 7	No. 3 - 6		No. 4 - 5

Builder's Signature *L. Koga*
NAGASAKI WORKS
MITSUBISHI 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
ated, together with the flash point (where required to be inserted in the Notation).
has been built under Special Survey in conformity with the Society's Rules and Regulations
Secretary's letters. The scantlings and arrangements are as given in the report and as
the Approved Plans and "As Built" Plans now forwarded. All modifications or additions
original approved arrangements have been indicated on the plans and have been approved as
accordance with or by standards equivalent to the Rule Requirements. The plans of the
section and Profile and Decks showing the ship as built (now forwarded) have been checked
approved arrangements and found in order. The materials and workmanship are good.
the bottom tanks, peak tanks, deep tanks, oil fuel tanks and corrierdams have been tested
ed by the Rules and found satisfactory. The weather decks, water tight bulkheads, shell
in way of refrig. spaces, the shaft tunnel and watertight door have been satisfactorily
ed tested. The windlass and steering gear have been tried under working condition and
isfactory. The assigned freeboards have been marked on the ship side and now verified
oil fuel (F.P. above 150°F) is carried in Nos. 1, 2, 3, 5, 6 & 8 d.b. tanks and E.R. Settling
table oil can be carried in the deep tanks abaft the Engine Room.

Amount of Entry Fee. as per Scale	£2,094,000	Fees applied for,	FEB - 5 1958
Special Rebate 33 1/3%	698,000	LOCALLY	
Special Survey Fee	£1,396,000	Received by me,	
General			
Traveling Expenses, if any	£10,000		
whether the Vessel has been built under Special Survey	Yes	I am of opinion the Vessel should be Classed	+ 100A1
icate to be sent to	NAGASAKI	Signature	<i>MacLeod</i>
		Surveyor to Lloyd's Register of Shipping.	

Committee's Minute TUESDAY 25 MAR 1958
Character assigned +100A1 Carrying vegetable oil in deep tanks aft.
LACP DS 12.57
+LMC
ES DBS TSCL } 1.58
Aliat Vag.
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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 a copy of the Plans should be embodied.)

Sister Vessels - M.S. "Kochu Maru" Nagasaki Yard No. 11445 - Shimonoseki Report No. 450
- M.S.S. "Kosoh Maru" " " 1465 " " 750
- M.S. "Kosei Maru" " " 1485 " " 775
- M.S. "Kohoh Maru" " " 1497 " " 795

Load Line Assigned by the Japanese Government

Ship examined in Dry Dock on 18th December, 1957 and undocked 21st December, 1957.

Approved Plans of Midship Section and Profile and Decks (Sheets I & II) are now forwarded.
The following "As Built" Plans are also forwarded with this report:-

Midship section

Construction Profile and Decks

W.T. & O.T. Bulkheads

Double Bottom (Sheets I & II)

After Peak Construction

Fore Peak Construction & Stem

Shell Expansion

Sternframe

Rudder

Location and Particulars of P.403 Plating

Capacity Plan and General Arrangement

Pumping Plan

Hydrostatic Curves

Forging and Casting Certificates for Sternframe, Rudder Stock, Upper and Lower Castings for Rudder.

Steering Gear Crosshead and Tiller.

Deck Factor .891

PARTICULARS OF ELECTRIC WELDING (if employed)

The ship is of all welded construction with the exception of the following riveted connections: Upper Deck stringer angle, sheer strake seams, common seam of side shell on strakes G & H seams of bilge strakes and keel plating and the 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 E.W. 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 upper deck.

RADAR Equipment (State if fitted) Yes
State Type or Pattern No. Sperry MK2 Model
State Name of Supplier Tokyo Keiki K.K.
Tokyo

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	56-1-4	D.O.	Y 11253	26-8-57
	2nd "	56-0-10	D.O.	Y 11252	26-8-57
	3rd "	55.3.16	D.O.	Y 11251	26-8-57

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle — ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 80308 Signal Letters JGVR Extreme Breadth over Belting 63'-9½" Over-all Length 496.16'
No. and Material of Decks 3 Steel (except in Nos. 4 & 6 Holds) Rise of floor 6.69" (170m/m)
Parts of Bottom of Vessel coated with cement or approved composition Fore peak, after peak and feed water tank in machine 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	
Double bottom, under Engines and Boilers,	53	F.W. & O.F.	After peak tank,	20	
Double bottom, under Engines only,			Deep tank, aft, (Including Exp. Trunks)	47	
Double bottom, under Boilers only,			Deep tank, forward,		
Double bottom, forward,	193	665	Other tanks, if fitted, Tanks Abreast Tunnel	24	
Total length (if continuous) and Capacity	364	1,131	(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date 22nd June 1958

Date of Surveys held while building

1957 July. 15, 18, 19, 22, 23, 24, 27, 29, 30, 31

Aug. 1, 3, 7, 10, 19, 20, 27, 28, 29, 30.

Sept. 3, 6, 9, 11, 13, 14, 16, 17, 18, 19, 20, 21, 23, 24, 25, 26

Oct. 3, 4, 5, 10, 18, 21, 23.

Nov. 4, 5, 8, 11, 12, 22, 30

Dec. 5, 12, 18, 21, 24, 6.

Jan. 6, 7.

Total No. of Visits 5

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