

## STEEL STEAMER OR MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel No  
 State if Report is sent on the Machinery of the Vessel Yes

SECTION

No. 1053  
FE-1005

Date of completion of report

Port of NAGASAKISurvey held at NagasakiDate First Survey 6th February, 1958 Last Survey 10th July, 1958

On the (State if Machinery fitted A/R and if Single, Twin or Triple Screw)

Single Screw Motorship "KOTEI MARU"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure without tonnage openings State Type of Erections ForecastleAGE under } 8112.64  
Age Deck ... }f space or spaces }  
Tonnage Dk. }  
Upper Dk. }8112.64Tonnage 9096.13er Tonnage 5337.1611622.97

REGISTERED DIMENSIONS.

FEET

469.563.740.0CLASS + 100A1 State if with freeboard as condition of Class NoLength from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 459.32Breadth (greatest moulded) B 63.65Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1e) D 40.031st Longitudinal Number (L x D) =2nd Numeral L x (B + D) =Framing Depth "d," at middle of length. See Sec. 3 (1d) 11.47Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.47Do. Long Bridge to top of keel 28.71Draught Moulded (Summer Fbd. 11.39) 28.71Built at NagasakiLaunched 19th April, 1958 Yard No. 1499Builders Mitsubishi Zosen K.K.Owners Daido Kaiun K.K.Managers -  
(Where necessary to be entered in Flag Book)Residence -Port of Registry KobeIf surveyed while building, afloat, or in dry dock 658

While Building

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	As Shown in SHIP.	Any Departure from Approved Plans to be Noted.		As Shown in SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	800	x	Bracket Floors, Frame .....	-	
" " from 1/2 length amidships to Collision bulkhead.....	685	x	" " Reversed Frame.....	-	
" " in peaks .....	610	x	" " Vertical Struts .....	-	
DE FRAMING.			Centre Girder, depth and thickness amidships	1500 x 13.5	x
Frame Amidships, Angle, <u>1/4</u> or <u>1/8</u> Inv. ....	300 x 90 x 11/16	x	" " top angles .....	Welded	x
" " Extends up to .....	3rd Deck	x	" " bottom angles .....	Welded	x
Reversed Frame Amidships, Angle .....	-		Side Girders, No. each side and thickness.....	One @ 9.5	x
" " Extends up to .....	-		Margin Plate depth (excl. of flange) and thickness .....	1020 x 14	x
Depth of Framing Girder.....	300	x	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....	Welded	x
Frames in Uppermost Continuous 'tween Decks, Angle, <u>1/4</u> or <u>1/8</u> B. Plate	200 x 10	x	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	Welded	x
" " Second 'tween Decks, Angle, <u>1/4</u> or <u>1/8</u> B. Plate	230 x 12	x	" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	1/2" x 400	x
" " Third " " " "	-		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area .....	1/2" x 400	x
" " from 1/2 len. for'd. to 15% len. from Stem	300 x 90 x 11/16 Inv. Angle	x	Tank Side Brackets, height above base line at toe of Frame and thickness	1550 x 1/2"	x
" " in Peaks, Angle, <u>1/4</u> or <u>1/8</u> B. Plate	300 x 12 Web with 150 x 12 Face Bar	x	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	230 x 12	x	Breadth and thickness of Middle Line Strake.....	1370 x 13	x
State if Frame Joggled.....	Welded	x	Thickness of remainder in Holds .....	11.5	x
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	Upper Tween Deck only x		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	x
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? .....	Yes	x	BEAMS.		
ANGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <u>[ or ]</u> .....	See Report 1* attached x	
Floors, Depth and thickness at mid-line in Holds.....			" " in way of Bridge, Angle, <u>[ or ]</u> .....	-	
Height of Brackets at side above base line at toe of frame.....			Spacing .....	-	
Middle Line Keelson, on Floors, Angles, <u>[ or ]</u> .....	None	x	B. Plate	250 x 12	x
" " Through Plate or Intercoastal Plate .....			Second Deck, amidships, Angle, <u>[ or ]</u> .....	800	x
" " Foundation Plate on Floors .....			Spacing .....		
" " Flat Plate Keel Angles .....			B. Plate	240 x 12	x
Side Keelsons, No. each side.....			Third Deck, amidships, Angle, <u>[ or ]</u> .....	800	x
" " thickness of Intercoastal Plate .....			Spacing .....		
" " Angles .....			Fourth Deck, amidships, Angle, <u>[ or ]</u> .....	None	x
DOUBLE BOTTOM.			Spacing .....		
Solid Floors, thickness and spacing .....	11.5 @ 2400	x	Poop Deck, Angle, <u>[ or ]</u> .....		
" " Are Frame and Reversed Frame joggled? .....	Welded	x	Spacing .....	125 75 7	
Bracket Floors, breadth and thickness at middle line .....	875 x 10.5	x	Bridge Deck, Angle, <u>[ or ]</u> .....	150 90 9	x
" " breadth and thickness at margin plate .....	800 x 11	x	Spacing .....	800	x
			B. Plate	200 x 10	x
			Forecastle Deck, Angle, <u>[ or ]</u> .....	685 - 610	x
			Spacing .....		



## PILLARS AND DECKS.

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

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	1360	22.5 X	22.5 X	22.5	X	Double X	22	99	Welded				
„ Dblg. (if any)	-	-	-	-		-							
Bottom Plating, No. of Strakes .....	D	17.5 X	22.5 X	18.5	14 SEE SWELL	Welded X			Welded				
Bilge Plating, No. of Strakes .....	E	17.5 X	16	17 X	4 EXPANSION	1/2 Double X	22	99	Welded				
Side Plating, No. of Strakes .....	F, G, H	17 X	12	12 X	Welded Except Common Seam G & H strakes X	Double X	22	99	Welded				
Upper Deck, Sheer- strake in Wells.....	K	21.5 X	12 X	12 X	PLAN FOR	Double X	22	99	Welded				
Upper Deck, Sheer- strake in Bridge ...	K	21.5 X	-	-	END THICKNESSES	Double X	22	99	Welded				
Strake below Sheer- strake in Wells.....	J	17 X	12 X	12 X		Welded X			Welded				
Strake below Sheer- strake in Bridge ...	J	17 X	-	-		Welded X			Welded				
Poop Side Plating.....		-	-	-		-							
Bridge Side Plating.....		-	-	-		-							
Forecastle Side Plating		-	11 X	-		Welded X			Welded				

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	6	7 for RB.
Extending to Upper Deck (Sec. 3 c)	2	
„ Deck next below	7	
As per Rule		

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	Plate	Plate	X	
STEM	"	"	X	
STERN FRAME X { Propeller Post	Casting	As approved	X	
" { Rudder	Casting	Mitsubishi Steel		
Speed of Vessel	16K		X	
RUDDER—Type	Balanced		X	
" A X D	1390		/	
" Diam. of head X	Forging	315	X	
" Mainpiece at top pintle	CASTING	AS APPROVED	X	
" " heel		MITSUBISHI STEEL MFG.		
" how constructed	Welded Plates &	Diaphragm		
" double or single plate coupling, vertical or horizontal	Double	13.5 m.m.	X	
	Horizontal		X	

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks	7-7.5	125x75x70(A)	875		X
"	" Second "	7.5-8	150x90x9(I.A)	688		X
"	" Third "					
"	" Holds .....	10	Corrugated			X
COLLISION	" (in Hold) .....	9-11.5	200x10(BP)	625		X
AFTER PEAK	" .....	9-13	150x90x12(I.A)	700		X

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**



# 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.
L, C or C .....												
Bridge 'tween Decks ...												
From Uppermost Continuous 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	x	210	x 11	x						
Bottom "	230	x 11	x	230	x 11	x	All welded construction					
Longitudinals { Amidships		875	x		875	x	No departure from App. Drgs.					
{ At ends...		875	x		875	x						
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 .....												
g of Transverse Frames ...												
State if joggled or liners.												
Upper "	140	x 90	x 12				All welded	875				
Second "												
Third "												

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.



EQUIPMENT No. 4549 (Metric) LETTER of ANCHORS.

[illegible]

## CHAIN CABLES.

## HAWSERS AND WARPS.

CHAIN CABLES.																	
No. of plates.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 58.		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. Fathoms	Diam. Ins.	Status- tory. Tons	Break- ing. Tons	Supplied.	Per Rule.	Length. Fathoms	Diam. Ins.					Length. Fathoms	Ins.		Fathoms	Ins.
47137	555.7	58	133,400	186,900	44,050	38,640	550	57	S.S.	Osaka Chain & Machinery Mfg. Co., Ltd.	Osaka-27/12/57 H. Nishizawa	TOWLINE	24.0m	44mm	91,530	220	84.41
/	/	/	/	/	/	/	/	/	/	/	/	HAWSERS & WARPS }	2x200m	70mm	29.03	4x200m	23.65
/	/	/	/	/	/	/	/	/	/	/	/	"	2x200m	65mm	27.26		
/	/	/	/	/	/	/	/	/	/	/	/	"					
Stream or Wire }		Cir.							Cir.								

rring Gear, Type (Power or hand) Electro Hydraulic (20 H.P. x 2 Indep) Alternative Means of Steering Hand Pump ☒

rring Chains (Size and Test) None ☒ Windlass Electric 80 H.P. ☒ Boats 2 Wood ☒

ing in Holds, thickness and material 65mm Soft Wood on 13mm Bearers ☒ Cargo Battens, thickness, material and spacing 150x50 S.W ☒

260 Centres

go Hatchways.—(Upper Deck) 12mm Steel Coamings Welded to Deck ☒ Thickness of Hatches 75mm ☒

of Hatchways No. 1 (Fwd.) 9590 x 5000 ☒ No. 2 12800x7000 ☒ No. 3 11200x7000 ☒ No. 4 8800x7000 ☒ No. 5 11200x7000 ☒ No. 6 8800x7000 ☒

nber of Shifting Beams } No.1-6; x No.2-7; x No.3-6; x No.4-5; x No.5-6; x No.6-5 ☒

nd/or Fore and Afters }

Builder's Signature L Kaga

**GENERAL 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  
(b) 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 indicated, together with the flash point (where required to be inserted in the Notation).  
The ship has been built under Special Survey in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements ~~are~~ as given in the report and as shown on the Approved Plans and "As Built" Plans now forwarded. All modifications or additions to the original approved arrangements have been indicated on the plans and have been approved as being in accordance with or by standards equivalent to the Rule Requirements. The plans of the Ship Section and Profile and Decks showing the ship as built (now forwarded) have been checked with the approved arrangements and found in order. The materials and workmanship are good.  
Double bottom tanks, peak tanks, deep tanks, oil fuel tanks and cofferdams have been tested and found to be required by the Rules and found satisfactory. The weather decks, watertight bulkheads, shell plating and decks in way of refrig. spaces, the shaft tunnel and watertight door have been satisfactorily tested. The windlass and steering gear have been tried under working condition and found satisfactory. The assigned freeboards have been marked on the ship's side and now verified cut in. Fuel (F.P. above 150°F) is carried in Nos. 1, 2, 3, 5, 6, 7 & 8 d.b. tanks and E.R. Settling Tank. Vegetable oil can be carried in the deep tanks abaft the Engine Room.

Amount of Entry Fee as per scale	£2,096,000	Fees applied for,
Less 33 1/3% Reduction	698,667	4/8/58. 19
Actual Charge Made	£1,397,333	Locally.
Special Survey Fee.....	£	Received by me,
Travelling Expenses, if any .....	£ : <i>A</i>	19

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

I am of opinion the Vessel should be Classed +100A1

ate whether the Vessel has been built under Special Survey\_\_\_\_\_Yes

Signature

Certificate to be sent to Nagasaki Date of issue 22/10/58

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRIDAY - 5 SEP 1958

Character assigned

+180A1 Carrying vegetable oil in DTA

LACP

DS 6. 58

+ LMC

ES

DBS

TS CL

7.58

Noted  
for  
Hender.

NOTED FOR POSTING 27

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Lloyd's Register  
Foundation

0114 <sup>3/3</sup>



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 List of the Plans should be embodied.)

Sister vessel - m.s. KOBU MARU" - Nagasaki Yard No.1498 - Nagasaki Report No.835

Load Line assigned by the Japanese Government

Ship examined in Dry Dock on 25th June, 1958.

Approved Plans of Midship Section & Profile and Decks (I & II), Double Bottom (I & II) and W.T. & O.T. Bhds are now forwarded.

The following "As Built" Plans are also now forwarded.

- Midship Section
- Construction Profile and Decks
- W.T. & O.T. Bulkheads
- Double Bottom Sheets I & II
- Aft Peak Construction
- Fore Peak Construction & Stem
- Shell Expansion
- Stern frame
- Rudder
- Location and Particulars of P403 plating
- Capacity Plan and General Arrangt.
- Pumping Plan
- Hydrostatic Curves

Deck Factor .793

ASSR

Certificates:- Sternframe, Rudder Stock, Upper and Lower Castings for Rudder and Steering Gear Crosshead and Tiller.

#### 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, seams of the sheerstrake, common seam of side shell on G & H strakes seams of bilge strake and keel strake and the foundation connection at the 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, Lloyds A & CP, 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. MK-2 Model-0  
State Name of Maker and/or Supplier Tokyo Keiki Seizosho Co

Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	56.1.26 / D.O.	Y-12407	28th Feb., 1958
	2nd "	56.1.4 / D.O.	Y-12408	"
	3rd "	56.1.15 / D.O.	Y-12409	"

#### 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. 81488 Signal Letters JJHN Extreme Breadth over Belting 63.75' Over-all Length 496.2'  
(Circ. 1611) (Circ. 1703)  
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 and After Peak Tanks and Feed Water D.B.Ts in Machinery Space.  
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	458	Fore peak tank,	55	178
Double bottom, under Engines and Boilers,	52	Fuel Oil	After peak tank,	20	Fresh
Double bottom, under Engines only,			Deep tank, aft, (Including Exp. Trunks)	47	705
Double bottom, under Boilers only,			Deep tank, forward,		
Double bottom, forward,	193	655	Other tanks, if fitted, Tanks abreast Tunnel	24	143
Total length (if continuous) and Capacity	363	1,113	(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date 24 July, '57

Dates of Surveys held while building

1958 Feb. - 6, 7, 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 22, 25  
Mar. - 1, 6, 8, 12, 14, 17, 18, 19, 20, 22, 23, 24, 25, 26, 27, 28  
April - 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17  
May - 7, 8, 12, 20, 24, 27, 28  
June - 9, 15, 23, 26  
July - 8, 10

Total No. of Visits 60