

STEEL STEAMER or MOTORSHIP.

Received at London Office

13/8/37.

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

Date of completion of report 13th July 1937. Port of NAGASAKI No. 2262

Survey held at NAGASAKI. Date First Survey 7th November 1936 Last Survey 30th June 1937. 19

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Motor Vessel "KOZUI MARU"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling. State Type of Erections Poop Bridge Forecastle

TONNAGE under 6,076.56 CLASS 100A1 State if with freeboard as condition of Class No Built at Nagasaki

Do. of space or spaces between Tonnage Dk. and Upper Dk. - Length from fore part of stem to after part of stern post on summer L.W. See Sec. 3 (1a) L 435.0 Launched 27th Feb. 1937 Yard No. 672

Total 6,076.56 Breadth (greatest moulded) B 58.5 Builders Mitsubishi Jukogyo K.K.

Gross Tonnage 7,072.00 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 32.83 Owners Takachiho Shosen K.K.

Register Tonnage 5,219.17 1st Longitudinal Number (L x D) = 14,281 Managers (Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D) = 39729 Residence Kobe

REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) 20.08 & 18.83 E.R. Port of Registry Kobe

Length 463.42 Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.25 If surveyed while building, afloat, or in dry dock

Breadth 58.50 Do. Long Bridge to top of keel 10.72 Building

Depth 30.2 Draught Moulded 26.4

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. or m/m	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. or m/m	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	33"	AS Approved	Bracket Floors, Frame	BA 8" 3 1/2" .45"	AS Approved
" " from 1/2 length to Collision bulkhead	27"	"	" " Reversed Frame	BA 180 75 9.5	"
" " in peaks	24"	"	" " Vertical Struts	BA 180 75 9.5 9	"
SIDE FRAMING.			Centre Girder, depth and thickness amidships	45" x 13.5-12"	"
Frame Amidships, Angle, [or]	300x90x90x10 to 13 to 2nd Dk: Upper Dk: " & Bridge dk: where fitted Alt. Web cut to form 200x90x10 Alt. frs. in Tween dks: & Brg: space where fitted.	"	" " top Angles	Double 90 90 12-11	"
" " Extends up to	200x90x10 Alt. frs. in Tween dks: & Brg: space where fitted.	"	" " bottom Angles	Double 100x100x13.5-13	"
Reversed Frame Amidships Angle	Extends up to	"	Side Girders, No. each side and thickness	One 9.5 ER 11 & 12.5	"
" " Extends up to	12"	"	Margin Plate depth (excl. of flange) and thickness	40" x 14-13.5 ER 55" x 14	"
Depth of Framing Girder	12"	"	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	130x130x11 ER 90x90x11	"
Frames in Uppermost Continuous Tween Decks, Angle, [or]	230x90x90x9 to 13.5 Alt. frs. & 4 frs at Brg: ends. Web cut to form 200x90x9 Ang: at alt: frs in bridge space.	"	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	130 130 11	"
" " Second Tween Deck Angle	200 75 10	"	" " Gussets, spacing and scantling abaft 1/4 len. from stem	10.5 Continuous	"
" " Third Tween Deck Angle	7/8" - 5/4"	"	" " Gussets, spacing and scantling forward 1/4 len. from stem	10.5	"
Framing in Peaks, Angle, [or]	Joggled	"	Tank side Brackets, height above base line at toe of Frame and thickness	6'-11" x 11.5	"
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" - 5/4"	"	INNER BOTTOM PLATING.		
State if Frame Joggled	Web frs in Hold Beams on Alt: frs in F.P. tank. 4 side stringers & face angles fitted to main frames.	"	Breadth and thickness of Middle Line Strake	52 1/2" x 13-11	"
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	6 strakes of shell plating increased in thickness. Solid floors with P.R. ang: & back bar additional side girders fitted. Forms of SL	"	Thickness of remainder in Holds	11.5-10	"
STRENGTHENING OF BOTTOM FORWARD. State Particulars		"	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, ER 13.5	"
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	230x80x80x9.5 to 12	"	Uppermost Continuous Deck, amidships in Wells, Angle, [or]	200x90x90x8/13.5	"
Height of Brackets at side above base line at toe of frame	200x80x80x8/11	"	" " in way of Bridge, Angle, [or]	200x80x80x8/11	"
Middle Line Keelson, on Floors, Angles, [or]	Every frs	"	Spacing	Every frs	"
" " Through Plate or Intercostal Plate	200x90x90x13.5 & 8x3 1/2 x .45	"	Second Deck, amidships, Angle, [or]	Every frs	"
" " Foundation Plate on Floors	Every frs	"	Spacing	Every frs	"
" " Flat Plate Keel Angles		"	Third Deck, amidships, Angle, [or]		"
Side Keelsons, No. each side		"	Spacing		"
" " thickness of Intercostal Plate		"	Fourth Deck, amidships, Angle, [or]		"
" " Angles		"	Spacing		"
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	200x80x80x8/11	"
Solid Floors, thickness and spacing	11 every 3rd floor. 11 every floor in ER & ford of SL.	"	Spacing	Every frs	"
" " Are Frame and Reversed Frame joggled?	Joggled	"	Bridge Deck, Angle, [or]	230x80x80x9.5/12 200x90x90x8/13.5	"
Bracket Floors, breadth and thickness at middle line	34" x 11	"	Spacing	Every frs	"
" " breadth and thickness at margin plate	38" x 11	"	Forecastle Deck, Angle, [or]	200x80x80x8/11	"
		"	Spacing	Every frs	"

PILLARS AND DECKS.

	INCHES IN SHIP. or m/m	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. or m/m	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	Widely Spaced	As Approved			
" in 'tween Decks, Size and Spacing.....	Fr. 17, 9" dia. x 10' tube.	"	Stringer Plate, breadth and thickness in way of Bridge	66"x9.5	✓ As Approved
" " " " Fr. 62, 10" " x 11' "	"	"	Thickness of Plating abreast Deck openings in way of Wells	10.5-8	✓ "
" " " " Fr. 77, (250x90x90x14.5 & 180x75x9.5)	"	"	Thickness of Plating abreast Deck openings in way of Bridge	10.5-8.5	✓ "
" in Holds Fr. 148 10" dia. Tube 10 Tk.	"	"	Thickness of Plating within line of openings..	10.5-8	✓ "
" " " " Fr. 77 250x90x90x14.5	"	"	If Sheathed, material and thickness	Unsheathed	✓ "
" " " " Fr. 81 200x90x90x13.5	"	"			
Centre Line Bulkhead. Fr. 85-92.			Third Deck.		
Stiffeners and Spacing..... Inv. Ang:	7"x51" x .525"-33"	"	Stringer Plate, breadth and thickness.....		
Plating, thickness of	7.5	"	If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	66"x25 ✓	As Approved	If Plated, state thickness		
Double at Brg: ends 18.5	✓	"	Poop Deck.		
" " " " in way of Bridge 62 1/2"x10.5	✓	"	Stringer Plate, breadth and thickness	37"x9 m/m	✓ "
" Angle in Wells 200x200x25	✓	"	Plating, Sheathing, material and thickness ...	Steel 7.5 m/m	✓ "
Thickness of Plating abreast Deck openings } in way of Wells	18.5-9 ✓	"	Bridge Deck.		
Thickness of Plating abreast Deck openings } in way of Bridge	9.5 ✓	"	Stringer Plate, breadth and thickness.....	60"x14.5 ✓	✓ "
Thickness of Plating within line of openings... 11-9	✓	"	Plating, Sheathing, material and thickness ..	Steel 11 ✓	✓ "
If Sheathed, material and thickness Unsheathed	Br. Dk 8.5 ✓	"		65 O.P.in Accomd. ✓	✓ "
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells... 66"x10.5	✓	"	Stringer Plate, breadth and thickness.....	35"x9 m/m	✓ "
			Plating, Sheathing, material and thickness ..	Steel 9 m/m	✓ "

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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.	
	Inches.	Inches.	Inches.	Inches.			m/m	m/m		m/m	m/m	
FLAT PLATE KEEL	51"	21.5	19	19	As Approved	Double	25	100	4 - 3	25	100-90	Lapped
" Bottom Plating	Ford	of 1/2	1. Ams.	25	"	"	28	115	4	25	100	"
BOTTOM PLATING, No. of Strakes4.....		17.5	15	13	"	"	22	90	4	22	88	"
BILGE PLATING, No. of Strakes1.....		17.5	13	13.5	"	"	22	90	4	22	88	"
SIDE PLATING, No. of Strakes3.....		17.5	11.5	11.5	"	"	22	90	3	22	80-19	"
UPPER DECK, Sheer- strake in Wells.....	73"	24	11.5	11.5	"	"	25	100	4. 5-3.	25	100-115	Laps & D.B.S.
UPPER DECK, Sheer- strake in Bridge ...		20.5	Dbt.	at brg. ends.	"	"	22	90	3	22	80	Lapped
STRAKE BELOW Sheer- strake in Wells.....	78"	20.5	11.5	11.5	"	"	25	100	4 - 3	25	100	"
STRAKE BELOW Sheer- strake in Bridge ...		17.5	11.5	11.5	"	"	19	75	3	19	65	"
POOP SIDE PLATING				10	"	Single	19	75	1	19	65	"
BRIDGE SIDE PLATING ...		15.5			"	Double	22	90	4	22	90	"
FORE'C'TLE SIDE PLATING			10.5		"	Single	19	75	1	19	65	"

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

WATERTIGHT BULKHEADS.					
Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)		7.	(One tween dk bulkhead dispensed with. Owners letter herewith)		
,, Deck next below		8			
As per Rule		7			
STIFFENERS.					
	Plating Thickness. m/m	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	7- 6.5	125x12 FB	24"- 30"	-	-
" " Second "					
" " Third "					
" " Holds	10- 7.5	250x10 Web with 100x "		-	-
COLLISION " (in Hold) ..	11.5- 8.5	250x11½ 85x16 FB.	24"	Semi-box.	Height
AFTER PEAK " " ..	17.5- 9	150x100x Inv.A:	24"	"	"
STEEL.					
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)					
Nippon Seitetsu K.K. Yawata: Nippon Kokan K.K. Kawasaki:					
Has the Steel been tested as required by the Rules? Yes ✓					

EQUIPMENT No 41218 ✓

LETTER bt ✓

ANCHORS. 3B. 18.

Number of Certificate.	Anchor.	WEIGHT, EX. STOCK	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
1188	1st Bower	Cwts. 70 2 27	Stockless	54 5 0 0	Cwts.	Hall's latest Imp. Pt. CS Head	Kobe Stl Works.	Kobe. 2-12-36 SS
1189	2nd "	70 2 10	"	54 5 0 0		"	"	" " "
1187	3rd "	70 1 24	"	54 0 0 0		"	"	" " "
	Collective weight.	211 3 5			207-0-0 ✓			
1242	Stream	21 0 25	5 1 22	21 16 1 0		Ordinary type	"	" " "

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- Break- ing.	Supplied. Per Rule.	Length. Diam.					Length. Cir.	Tons.	Length. Cir.
2290	550 60	102000	47254 Kg 42560	300 216	S.L. & Machy	Osaka Chain Works. 14-12-36 TM	Osaka	5891 TOWLINE	240 5	79.6	
								HAWSERS & WARPS	185 8" Manila	4 off	
5891	225 5	57.2			SFGS	Kwasai Seiko KK	Osaka 9-1-37 SS				

Steering Gear, Steam Janney Hydraulic E. Motor driven. Steering Gear, Hand Worm Gear & Pinion. Good and efficient.

Boats 2 off, 28'-0" 1 off, Temma. Steering Chains, Size and Test / Windlass Electric. Good and efficient.

Ceiling in Holds, thickness and material 2 1/2" OP on 2" Wood battens. Cargo Battens, thickness, material and spacing 150x50 m/m, 9" apart.

Cargo Hatchways. (Upper Deck) Sides 12.5 m/m. Ends 11 m/m x 30" above deck. Thickness of Hatches 75 m/m O.P.

Size of No. 1 Hatchway (Forward) 31-5'x21-0" No. 2 38-5'x21-0" No. 3 30-25'x21-0" No. 4 19-25'x21-0" No. 5 38-5'x21-0" No. 6 33-0" x21-0"

Number of Shifting Beams and/or Force and Afters No. 1. 3 & 6-- 50 off: No. 4-- 3 off: No. 2 & 5-- 6 off:

MITSUBISHI WORKS, MITSUBISHI, JUKOYO, KAWASAKI, KAWASAKI.

Builder's Signature

K. Shimidzu
for GENERAL MANAGER

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 /

(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.

Tanks At

Oil fuel carried in double bottom tanks, lower peak tanks, wing tanks in E. room, and aft end of tunnel. F.P. above 150° F.

Cargo oil carried in deep tanks, F.P. above 150° F. all the requirements of Sections 20 & 34 of the Rules complied with.

This vessel constructed under Special Survey in accordance with the terms of the Rules and Approved Plans. The materials have been tested and the workmanship throughout is good.

All tanks have been tested by a head of water as required by Rules and found sound and tight.

Weather decks, bulheads, side scuttles and hatch tarpaulins hose tested and found good.

All oil fuel suction & filling pipes tested in place to 2 Kg/cm².

Heating coils tested in place to 200 lbs/sq.in., and all found good and tight.

Water tight doors and hand pump tested and found good.

J.G. Freeboard as marked on ships sides 2065 m/m from top of Upper deck at side to centre of disc.

The amount of Entry Fee £ 10-0-0 :

Special Survey Fee.... £ 471-0-0 :

Travelling Expenses, if any £ 20-0-0 :
Late fee.

Fees applied for,

8. 7 19 37

Received by me,

13-10-19 37

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

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

State whether the Vessel has been built under Special Survey Under Special Survey.

Signature

H. Buchanan & T. Remisha
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Date of issue

Committee's Minute

Character assigned

TUE. 24 AUG 1937

+100A1

Carrying Cargo oil in Deep Tanks H. above 150° F.

Lloyd's Assoc + Limb 6. 27

D.B. 6. 27 12/18

Oil Sup. CH

Write K&K

" K&K (Tom)

Printed



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Lloyd's Register
Foundation

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.)

Plans of the Ship as built forwarded under separate cover, viz:—

Midship section: Construction profile & deck: W.S.Pillar & Girders: O.T. & W.T.Bulkheads: Stern frame & Rudder: Stem: Shell expansion: Aux.engine seating: and Pumping plan. also Steel Invoices.,

Forging & casting certificates forwarded herewith.

Stem (Cert No.1486): Stern Frame (Cert No.1552): Rudder (Cert No.1624):

Certificates issued with date of test and inspection for cleanliness for deep tank, fore peak tank and wing tanks in engine room. It is proposed to carry cargo oil in these tanks for the first voyage.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Fitted for the carriage & burning of oil fuel F.P.above 150° F. *100AI: Lloyd's A & C.P.: Fitted for the carriage of cargo oil in deep tanks, F.P.above 150° F. : 2 Dks Stl: 2 Tr.Bms:

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	40 - 0 - 24	SS	1188	5-5-36
	2nd "	40 - 1 - 3	"	1189	21-5-36
	3rd "	40 - 1 - 3	"	1187	27-5-36

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30.0 ft., R.Q.D. - ft., Bridge 126.5 ft., Forecastle 41.0 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated not joined.

No. and Material of Decks 2- stl: 2 tier beams:

Official No. 42963 ; Signal Letters J.N.U.L. Is bottom of vessel coated with cement Yes- Water tk only. if not give particulars of composition /

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	143.00	652.72	Fore peak tank,	27.62	258.79
Double bottom, under Engines and Boilers,	46.75	309.60	After peak tank,	24.00	223.54
Double bottom, if under Engines only,	-	-	Deep tank, aft,	35.75	1111.77
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	181.75	672.95	Other tanks, if fitted, Wing tanks P & S. Eng. Room.	46.75	355.50
Total capacity of double bottom		1635.27	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 120

Date 17-12-1935
London.

Dates of Surveys held while building

1936:— Nov. 7.10.20. Dec 2.3.16.20.21.23.26.28.30.
1937:— Jan 21.23.26.30 Feb 2.4.5.6.8.10.12.18.19.22.23.24.25.26.27. Mar 5.8.13.23.24 Apr 5.9.13.19.28 May 6.15.17.18.19.20.21.24.25.28.31. June 2.3.10.12.17.22.25.26.29.30.

Total No. of Visits 62