

State if Report is sent on the Machinery of the Vessel..... YES.

Survey held at YAGASAKI. JAPAN. Date First Survey 22. 5. 1951. Last Survey 15. MAY 1952

TWIN SCREW. **TOMISHIMA MARU** (MOTOR VESSEL)

FULL SCANTLING.

State Type of Erections POOR BRIDGE & FORECASTLE

CLASS + 100. A-1.

State if with freeboard } No
as condition of Class }

Built at NAGASAKI. JAPAN.

Length from fore part of stem to after part of stern } FEET
post on summer L.W.L. See Sec. 3 (1a) } L 459.34.

Launched 28.2.51. Yard No. 1426

Total 6628.76

Breadth (greatest moulded) _____ B 62.34.
Depth, at middle of length from top of keel to top) UPPER DECK

Builders WEST JAPAN HEAVY INDUSTRIES. LTD.

Gross Tonnage 7613.89

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) } UPPER DECK
D 34.45.
BRIDGE DECK 42.

Owner's INDO KAIUN K.K.

Register Tonnage 4334.44.

1st Longitudinal Number (L x D)..... 15824.20

Managers ✓
(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.

length 467.58. FEET

adth 62.34.

34.45.

Framing Depth "d," at middle of length. See } 21.2.
Sec. 3 (1d).....

Proportions—Depth to Length—Uppermost continuous deck to top of keel } B. 4

Do.	Long Bridge to	12 8
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L.R. FRD. 2132. } top of keel }

Draught Moulded J.G.FRD. 2123. } 27.5.

Residence

Port of Registry.....Tokyo

If surveyed while building, afloat, or in dry dock

WHILST BUILDING.

FRAMES, DOUBLE BOTTOM AND BEAMS.

012306-012314-0188 1/2

	M.M. Specimen IN SHIP.	Any Departure from Approved Plans to be Noted.	M.M. Specimen IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows	2.	/		
" " in 'tween Decks, Size and Spacing	N ^o 1. N ^o 2. 8'5". N ^o 4. "	DIA. / DIA. / "		
" " " N ^o 6. "	150 x 8'9" 210 x 10. 330 x 13'5" 190 x 10.	" / " / " / "		
" " in Holds " N ^o 1. "	270 x 12 410 x 15'5"	" / 480 x 16'5." /		
" " " N ^o 3. "	450 x 16. 380 x 15.	430 x 15. 370 x 14." /		
Centre Line Bulkhead. Stiffeners and Spacing	/			
Plating, thickness of	/			
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	1700 x 26	- Sefton		
" " " " in way of Bridge	1800 x 11.	/		
" Angle in Wells	200 x 200 x 25.	/		
Thickness of Plating abreast Deck openings in way of Wells	26.	/		
Thickness of Plating abreast Deck openings in way of Bridge.....	9'5.	/		
Thickness of Plating within line of openings..	7'5	/		
If Sheathed, material and thickness.....	/			
Second Deck.	9'5. A. 10'5 F	/		
Stringer Plate, breadth and thickness in Wells		- Sefton		
Stringer Plate, breadth and thickness in way of Bridge	7'5.	/		
Thickness of Plating abreast Deck openings in way of Wells	7'5	/		
Thickness of Plating abreast Deck openings in way of Bridge.....	7'5	/		
Thickness of Plating within line of openings...	7'5.	/		
If Sheathed, material and thickness.....	/			
Third Deck.				
Stringer Plate, breadth and thickness.....	/			
If Plated, state thickness	/			
Fourth Deck.				
Stringer Plate, breadth and thickness.....	/			
If Plated, state thickness.....	/			
Poop Deck.				
Stringer Plate, breadth and thickness.....	10	/		
Plating, Sheathing, material and thickness ...	10	/		
Bridge Deck.				
Stringer Plate, breadth and thickness.....	18'5. 17'5. ACCORDAN 18'5. CLEAR	/		
Plating, Sheathing, material and thickness ...		/		
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	10	/		
Plating, Sheathing, material and thickness...	10	/		

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	No.		No. of Rows of Rivets.	Rivets.		Strapped or Lapped.
	Breadth.	Thickness.	Thickness.	Thickness.			Single or Double.	Rivets.		Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	<i>13/0</i>	<i>23.</i>	<i>23.</i>	<i>23.</i>	<i>/</i>	<i>D.R.</i>	<i>25.</i>	<i>115.</i>	<i>/</i>	<i>WELDED.</i>	<i>/</i>	
„ Dblg. (if any)	<i>✓</i>						<i>✓</i>					
Bottom Plating, No. of Strakes <i>5</i>	<i>18.5.</i>	<i>2 1/2</i>	<i>15.</i>	<i>A 18. A 15.0 B 15.5 E 16.0</i>	<i>/</i>	<i>D.R.</i>	<i>25.</i>	<i>115.</i>	<i>/</i>	<i>WELDED</i>	<i>✓</i>	
Bilge Plating, No. of Strakes <i>1</i>	<i>18.5.</i>	<i>15.</i>	<i>16.</i>		<i>/</i>	<i>D.R.</i>	<i>25.</i>	<i>115.</i>	<i>/</i>	<i>"</i>	<i>/</i>	
Side Plating, No. of Strakes <i>4</i>	<i>16.</i>	<i>12.</i>	<i>12.</i>		<i>/</i>	<i>D.R. ALTERNATE SEAMS.</i>	<i>22</i>	<i>100</i>	<i>/</i>	<i>"</i>	<i>/</i>	
Upper Deck, Sheer-strake in Wells.....	<i>25.</i>	<i>12.</i>	<i>12.</i>		<i>/</i>	<i>WELDED.</i>	<i>/</i>		<i>/</i>	<i>"</i>	<i>/</i>	
Upper Deck, Sheer-strake in Bridge l..	<i>16</i>				<i>/</i>	<i>WELDED.</i>	<i>/</i>		<i>/</i>	<i>"</i>	<i>/</i>	
Strake below Sheer-strake in Wells.....	<i>16.</i>				<i>/</i>	<i>D.R.</i>	<i>22.</i>	<i>100</i>	<i>/</i>	<i>"</i>	<i>/</i>	
Strake below Sheer-strake in Bridge l..	<i>16</i>				<i>/</i>	<i>D.R.</i>	<i>22.</i>	<i>100</i>	<i>/</i>	<i>"</i>	<i>/</i>	
Poop Side Plating.....			<i>10.</i>		<i>/</i>	<i>WELDED.</i>	<i>/</i>		<i>/</i>	<i>"</i>	<i>/</i>	
Bridge Side Plating.....	<i>SHEER 19</i>	<i>15.</i>			<i>/</i>	<i>D.R.</i>	<i>22</i>	<i>100</i>	<i>/</i>	<i>"</i>	<i>/</i>	
Forecastle Side Plating			<i>11.</i>		<i>/</i>	<i>WELDED.</i>	<i>/</i>		<i>/</i>	<i>"</i>	<i>/</i>	

Total No. of W.T. BULKHEADS in Vessel—				8 /			
Extending to Upper Deck (Sec. 3 c)							
" Deck next below				10			
As per Rule				7.			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	6.5/7.	125x75x7L	400.	/	
" " Second "	✓				
" " Third "	✓				
" " Holds	12.5/1.5	200x90x 3/8 C.	700.	✓	✓
COLLISION " (in Hold)	13/6.5	125x75x10 L	600.	9.5 PL.	1800.
AFTER PEAK " "	13/8.	125x75x10 L	700.	9.5 PL.	1900.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM	X			
STERN FRAME	✓			
Propeller Post				
Rudder	"			
Speed of Vessel				
RUDDER—Type				
" A x D.				
" Diam. of head				
" Mainpiece at top pintle				
" " heel				
" how constructed				
" double or single plate				
" coupling, vertical or				
" horizontal				

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)				OPEN HEARTH
YAWATA STEEL WORKS.				
Has the Steel been tested as required by the Rules?				YES /

STEEL.

Number of Certificates.	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.
		Cws.	qrs.	lbs.	Cws.	qrs.	lbs.	Tons.	Cws.	qrs.	lbs.				
Y. 2792.	1st Bower	82	1	23	✓			60	5	0	0	✓ 81.4	LATEST IMPROVED HALLS TYPE.	TOKIO STEEL CASTING CO. LTD.	T.S.C.P.H. 17.12.51. KN
Y. 2790	2nd "	82	1	23	✓			60	5	0	0	✓	"	"	"
Y. 2791	3rd "	81	3	12	✓			60	5	0	0	✓	"	"	"
	Collective weight	246	3	2	✓							✓ 232. ✓			
Y. 2793.	Stream	24	2	11	✓	6	1	5	24	15	0	0	✓ 23.5	ADMIRALTY PATTERN	"

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.						Length and Size per Table 68.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size		Breaking Steel Wire.	Length and Size		
	Fathoms	Diam.	Statutory Tons.	Break-ing Tons.	Supplied.	Per Rule.	Cwt.s.	grs.	lbs.	Fathoms	Inch.	Fathoms					Inch.	Fathoms		Inch.		
																					Fathoms	Inch.
223.	361.8	2 ³ / ₄ "	120.5	169.7	908.3.	17.				300	2 ³ / ₄ "	C.S.	OYAKA. CH & MFG. CO LTD	OYAKA. 22.2.52.			130	5 ¹ / ₂ "	9.10	130	5 ¹ / ₂ "	
	/	/	/	/	/	/				/	W.L	/	/					2@		2@		
																HAWSEERS & WARPS		100	2 ³ / ₄ "	23.5	100	2 ³ / ₄ "
																		2@		2@		
																		100	2 ³ / ₄ "	22.0	100	2 ³ / ₄ "
																		4 @				
Iron Stream Chain or Steel Wire	120	Clr. 4 ³ / ₄ "		75.0						120	Clr. 4 ³ / ₄ "							100	8"	Manila		

Steering Gear, Type (Power or hand) Electric Hydraulic (35 H.P.) 2 motors Alternative Means of Steering None

Steering Chains (Size and Test) None Windlass Electric (90 HP) Boats 4 (Wood)

Ceiling in Holds, thickness and material 65m/m pine on 13m/m sleepers Cargo Battens, thickness, material and spacing Vertical 150x50 Pine 180 apart

Cargo Hatchways.—(Upper Deck) Steel plates & Angles (Welded) Thickness of Hatches Steel 7

Size of Hatchways No. 1 (Fwd.) 6500x5500 No. 2 12000x7000 No. 3 10400x7000 No. 4 9600x8000 No. 5 12000x7000 No. 6 7200x7000

Number of Shifting Beams } Mac Gregor Patent Steel Hatch Covers and/or Fore and Afters }

See Plans

Builder's Signature L. Matsushita

NAGASAKI SHIPYARD & ENGINE WORKS
WEST JAPAN HEAVY-INDUSTRIES, LTD.

This ship has been built under Special Survey in conformity with the Society's Rules and Regulations and Secretary's letters. The scantlings and arrangements of the ship are as given in the report and as shown on the "as built" and "as fitted" plans now forwarded. All modifications or additions to the original approved arrangements made during construction 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 midship section and profile and decks showing the ship as built, now forwarded herewith, have been checked with the approved arrangements and found in order.

The materials and workmanship are good. All double bottom tanks, peak tanks and deep tanks, cofferdams, have been tested as required by the Rules and found satisfactory. The weather decks, w/t Bulkheads Tunnel, w/t Door have been satisfactorily tested. The windlass and steering gear have been satisfactorily tried under working conditions. The freeboards assigned by the Japanese Government have been marked on the ship's sides, verified and cut in. Oil Fuel, Flash point not lower than 150°F can be carried in the D.B. Tanks Nos. 1,2,3,5,6,7, the wing and centre tanks in tunnel and deep tanks abaft Engine Room. Vegetable oil can be carried in the deep tanks abaft Engine Room.

The amount of Entry Fee..... £ : : } Fees applied for,
22 DEC 1957
19
Locally
Received by me,
19

Special Survey Fee..... £ : : }
General & 10,000
Traveling Expenses, if any £ : : }

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

State whether the Vessel has been built under Special Survey

Certificate to be sent to KOBE Date of issue 10/9/53

Committee's Minute

Character assigned + 100A1 Carrying vegetable oil in deep tank aft.
Lloyd's A & C.P.
+ LMC 5,52 Oil Eng.
CL.
DB 100lb.

(with torsional endorsement)

CLASSIFICATION CERTIFICATES WRITTEN

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.)

The following plans are enclosed.

As Fitted

Midship Section

Construction profile & deck plans (2 sheets).

W/T & O.T. Bulkheads

Stern castings

Shaft bracket

Stem

Rudder

Shell expansion

Double bottom plan (2 sheets)

Both peak construction

Upper bridge deck W.S.P. girder & house under

Welding detail

Forging Certificates

Stern casting

Rudder

A. Brackets

Tiller

T.S.M.V. ASO MARU - Nagasaki No. 1421

Sister Ship T.S.M.V. ARIMA MARU - Nagasaki No. 1424

PARTICULARS OF ELECTRIC WELDING (if employed) W.T. & O.T. Bhd Pltg & Stiffeners - Tunnel - Tank top plating, floors & engine seating, frames to shell amidships (frames riveted at ends) deck plating, beams & girders, all shell pltg butts, side shell part welded, all casings, deckhouses & super-structures decks.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Cruiser Stern - D.F.-E.S.D.-Gyc-Radar-Lloyds A & C.P.-Part Elect. welded - fitted for O.F. F.P. above 150°F - to be carried in all D.B. Tks (except No.4 D.B.) wing & centre tanks in tunnels & deep tanks abaft E.R.-Veg.oil to be carried in deep Tks. abaft E.R. - mechanical ventilation to cargo spaces.

RADAR Equipment (State if fitted) SPERRY MARINE RADAR

State Type or Pattern No. MK2. Mod. O.

State Name of Maker and/or Supplier SPERRY GYROSCOPE COMPANY U.S.A. TOKYO PRECISION INSTRUMENT CO. J.O.

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

1st Bower	54	1	21	K.N.	Y.2788	6.12.51.
2nd "	54	1	21	K.N.	Y.2786	6.12.51.
3rd "	54	0	4	K.N.	Y.2787	6.12.51.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 23.20 ft., R.Q.D. ft., Bridge 196.85 ft., Forecastle 15.11 ft.

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

Official No. 68746. Signal Letters JARO Extreme Breadth over Belting (Circ. 1611) Over-all Length 495.24 (Circ. 1703)

No. and Material of Decks 2 Decks Steel

Parts of Bottom of Vessel coated with cement or approved composition F & A Peak No.4 D.B. Tk. Bilges

Particulars of composition (if fitted) and of approval

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,	Feet. 115.49	Tons. 341.29	Fore peak tank,	Feet. 29.13	Tons. 80.07
Double bottom, under Engines and Boilers,			After peak tank,	Feet. 20.57	Tons. 108.11
Double bottom, if under Engines only, } O.F. ONLY. 47.24 2.62	47.24	289.05	Deep tank, aft,	Feet. 49.87	Tons. 1,633.03
Double bottom, if under Boilers only, } F.W. ONLY. 10.50 2.62	10.50	74.50	Deep tank, forward, ABREAST TUNNEL (P&S).	Feet. 57.74	Tons. 343.17
Double bottom, forward, } C/DAM. 182.09 2.13	182.09	580.31	DEEP TANK IN CENTRE TUNNEL	Feet. 44.52	Tons. 101.27
Total length (if continuous) and Capacity	362.69	922	Other tanks, if fitted, F.W.T. UPPER DEK P&S EACH	Feet. 5.24	Tons. 16.23

Order for Special Survey No.

Date

Dates of Surveys held while building

G.G.Y. 1951 Nov. 20. DEC 11. JAN. 17. FEB 26. APRIL 23 (1952)

Y.H. 1951. MAY 22. NOV 28. DEC. 1. 5. 7. 17. 20. 24. 26. 28.

1952. JAN. 23. 28. 29. 30. 31. FEB. 1. 4. 5. 7. 8. 11. 13. 14. 18. 19. 21. 22. 23. 26. 28. MARCH 3. 6. 12. 13. 14. 17. 22. 25. 29.

APRIL 1. 2. 7. 12. 14. 15. 17. 18. 28. MAY 7. 9. 10. 15.

Total No. of Visits 58.

No S.S.O.F. available.