

STEEL STEAMER or MOTORSHIP.

Received at London Office

JUN 1927

State if Report has been sent on the Freeboard of the Vessel Yes. (attached)
State if Report is sent on the Machinery of the Vessel Yes.Date of completion of report 19th November 1926. Port of Kobe No. 5503.
Survey held at HARIMA. Date First Survey 28th September 1925 Last Survey 19th November 1926.
On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) TWIN SCREW MOTORSHIP "YAHIKO MARU".
State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING. State Type of Erections PROP. BRIDGE + FOCSLE.

TONNAGE under Tonnage Deck... <u>5335.7</u>	CLASS <u>100 A1</u>	State if with freeboard as condition of Class <u>No.</u>	Built at <u>HARIMA.</u>
Do. of space or spaces between Tonnage Dk. and Upper Dk. <u>✓</u>	Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) <u>L 416.0</u>		Launched <u>27.7.26.</u> Yard No. <u>111</u>
Total <u>5335.7</u>	Breadth (greatest moulded) <u>B 54.5</u>		Builders <u>KOBE STEEL WKS. HARIMA Dock YD.</u>
Gross Tonnage <u>5742.4</u>	Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) <u>D 31.5</u>		Owners <u>ITAYA MIYAKICHI.</u>
Register Tonnage <u>3394.90</u>	1st Longitudinal Number (L x D) <u>= 13,104</u>		Managers <u>KAIGAN DORI. 3 CHOME.</u>
	2nd Numeral L x (B + D) <u>= 35,776</u>		Residence <u>Kobe.</u>
REGISTERED DIMENSIONS. FEET.	Framing Depth "d" at middle of length. See Sec. 3 (1d) <u>19.0 FOREHOLD 17.66 AFT</u>		Port of Registry <u>KOBE.</u>
Length <u>417.2</u>	Proportions—Depth to Length—Uppermost continuous deck to top of keel <u>13.21</u>		If surveyed while building, afloat, or in dry dock <u>✓</u>
Breadth <u>54.5</u>	Do. Long Bridge to top of keel <u>10.67</u>		
<u>31.5</u>	Draught Moulded <u>25.31</u>		<u>YES.</u>

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.
S, Spacing amidships	29"		Bracket Floors, Frame	BA 10" x 3 1/2" x 46"	
" from 1/2 length to Collision bulkhead	27"		" " Reversed Frame	BA 9" x 3 1/2" x 50"	
" in peaks	24"		" " Vertical Struts	BA 9" x 3 1/2" x 50"	
FRAMING.			Centre Girder, depth and thickness amidships	44" x 54"	
Amidships, <u>Angle</u> []	11" x 3 1/2" x 52" FOREHOLD + BR. 10" x 3 1/2" x 60" AFT HOLD		" " top Angles	DOUBLE 3 1/2" x 3 1/2" x 52"	
" Extends up to	2 nd DECK.		" " bottom Angles	- do - 4" x 4" x 58"	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	12" x 50" x 40"	
" Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	36" x 52" 54" x 52" AFT HOLD	
Thickness of Framing Girder	11" FOR 2. 10" AFT.		" " Vertical Angle to Tank side	3 1/2" x 3 1/2" x 46"	
Angles in Uppermost Continuous 'tween Decks, <u>Angle</u> []	7 1/2" x 3 1/2" x 36"		" " Vertical Angle to Tank side	- do -	
" Second 'tween Decks, Angle, [] or []	✓		" " Gussets, spacing and scantling	3 1/2" x 3 1/2" x 42"	ENERGY FRAME
" Third " " " "	✓		" " Gussets, spacing and scantling	- do -	
Spacing in Peaks, <u>Angle</u> []	8" x 3" x 36"		Tank Side Brackets, height above base line at toe of Frame and thickness	6" x 8"	
Number and Spacing of Rivets through Shell Plating	7/8" x 1 1/4" x 7 diam. + 6 diam.		INNER BOTTOM PLATING.		
Is Frame Joggled	YES.		Breadth and thickness of Middle Line Strake	52" x 50" x 42"	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	WEB FRAMES + STRINGERS AS PER APPROVED PLAN.		Thickness of remainder in Holds	14 1/2" x 5" x 38"	
STRENGTHENING OF BOTTOM FOR FORWARD. State Particulars	SOLID FLOORS EVERY FRAME FOR 4 3/5 LENGTH.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bulkhead and Boiler Room?	✓	
DOUBLE BOTTOM.			BEAMS.		
Angles, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships		
Height of Brackets at side above base line at toe of frame			" " in Wells, <u>Angle</u> []	7 1/2" x 3" x 36"	7 x 3 1/2" x 42" (supl. plan)
Angle Line Keelson, on Floors, Angles, [] or []			" " in way of Bridge, <u>Angle</u> []	7 1/2" x 3" x 36"	
" " Through Plate or Intercoastal Plate			Spacing	29"	
" " Foundation Plate on Floors			Second Deck, amidships, <u>Angle</u> []	8" x 3" x 38"	
" " Flat Plate Keel Angles			Spacing	29"	
Keelsons, No. each side			Third Deck, amidships, Angle, [] or []		
" thickness of Intercoastal Plate			Spacing		
" Angles			Fourth Deck, amidships, Angle, [] or []		
DOUBLE BOTTOM.			Spacing		
Angles, Thickness and spacing	40" x 29" EVERY FRAME ER. 40" x 7 1/2" REMAINDER.		Poop Deck, <u>Angle</u> []	BA 7" x 3" x 36"	
" Are Frame and Reversed Frame joggled?	FRAME ONLY		Spacing	24"	
Bracket Floors, breadth and thickness at middle line	3'0" x 1'10"		Bridge Deck, <u>Angle</u> []	- do - 7 1/2" x 3" x 36"	
" breadth and thickness at margin plate	3'0" x 40"		Spacing	29"	
			Forecastle Deck, <u>Angle</u> []	8" x 3 1/2" x 40"	
			Spacing	24"	

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. <i>See Approved Plan.</i>			Stringer Plate, breadth and thickness in way of Bridge	60" x 38" x 44"	
„ in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells	32" x 36"	<i>(replans)</i>
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge	32" x 44"	
„ in Holds „ „			If Sheathed, material and thickness	✓	
„ „ „ „ „			Third Deck.		
Centre Line Bulkhead.			Stringer Plate, breadth and thickness.....		
Stiffeners and Spacing.....	✓		If Plated, state thickness.....		
Plating, thickness of	✓		Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells	60" x 94" 39" x 42" ENDS.	✓	Poop Deck.		
„ „ „ „ in way of Bridge	60" x 48" x 38" <i>(replans)</i>	✓	Stringer Plate, breadth and thickness	36" x 36"	
„ Angle in Wells	6" x 6" x 94" x 76" ✓		Plating, Sheathing, material and thickness ...	5/16" x 3/8"	
Thickness of Plating abreast Deck openings in way of Wells	52" x 70" <i>(replans)</i>	✓	Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge	36" x 38" ✓		Stringer Plate, breadth and thickness.....	60" x 48"	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ...	38" x 26" <i>(replans)</i>	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	60" x 38" x 36" x 34" ENDS.	✓	Stringer Plate, breadth and thickness.....	35" x 36"	
			Plating, Sheathing, material and thickness ...	34" x 38"	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>No</i>			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.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	51"	.80 ✓	.70 ✓	.70 ✓	✓	DOUBLE	1"	3 5/8"	4	3 ENDS	1"	3 3/4	STRAPPED.
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes4.....	71"	5/8" ✓	.48" ✓	.48" ✓	✓	- do -	7/8	3 1/4	- do -	7/8	3 3/8	LAPPED.	
BILGE PLATING, No. of Strakes1.....	60"	5/8" ✓	.48" ✓	.48" ✓	✓	- do -	"	"	- do -	"	3 3/8	- do -	
SIDE PLATING, No. of Strakes4.....		5/8" ✓	.46" ✓	.46" ✓	✓	- do -	"	"	3	"	3	- do -	
UPPER DECK, Sheer- strake in Wells.1.....	50"	.94 ✓	.46" ✓	.46" ✓	✓	- do -	1"	3 5/8"	5	1"	4 3/8	- do -	
UPPER DECK, Sheer- strake in Bridge ...	50"	5/8" ✓	.46" ✓	.46" ✓	✓	- do -	1 1/2	4 1/8	5	1 1/8"	4 7/8	- do -	
STRAKE BELOW Sheer- strake in Wells.....	50"	.80" ✓	.46" ✓	.46" ✓	✓	- do -	7/8	3 1/4	3	7/8	3	- do -	
STRAKE BELOW Sheer- strake in Bridge ...	50"	5/8" ✓	.46" ✓	.46" ✓	✓	- do -	7/8	3 1/4	3	7/8	3	- do -	
POOP SIDE PLATING	60"			.38" ✓	✓	SINGLE	3/4	2 7/8	2	3/4	2 5/8	- do -	
BRIDGE SIDE PLATING ...	60"	.60" ✓			✓	DOUBLE	7/8	3 1/4	3	7/8	3	- do -	
FOREC'TLE SIDE PLATING	56"		.42" ✓		✓	SINGLE	3/4	2 7/8	2	3/4	2 7/8	- do -	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c).....	6
„ Deck next below.....	✓
As ^{APPROVED} per Rule	6

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	FORGING	10" x 2 5/8"	ROBE STEEL WORKS.	
STERN FRAME { Propeller Post	CS	BRACKETS.	- do -	
{ Rudder, "	CS	10 1/2" x 3 1/4"	- do -	
RUDDER—A x D		569.34	✓	
Speed of Vessel		11 KNOTS.	✓	
RUDDER mainpiece at head ...	FORGING.	11" DIAM.	- do -	
" " heel ...	"	8 1/4"	- do -	
" how constructed		BUILT.		
" double or single plate		SINGLE		
" coupling, vertical or horizontal		HORIZONTAL.		

STEEL.

"	"	"			
"	"	"			
"	"	Holds	✓	30 4	2x3 1/2 x 3 1/2 = 5 1/2
"	"		✓	42	10x3 1/2 x 3 1/2 = 48 3/4
"	"		✓	30 5	10x3 1/2 x 3 1/2 = 40 1/2
"	"	(in Hold)	✓	40	7 1/2 x 3 = 44 1/2
"	"		✓	30 4	9 1/2 x 3 = 46 1/2
"	"		✓	50	15A 24 1/2

Manufacturer's name or trade mark of the Steel used in the construction of the
 ✓ Vessel (state process of manufacture) *Kanawake Ste Works, Yamato, Bethlehem Steel
 Lanarkshire St Co, Skinningrove, David Ashfield, Bangor Steel*
 ✓ Has the Steel been tested as required by the Rules? *YES.*

EQUIPMENT No. 37328												LETTER Z		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.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.				
906	1st Bower ...	64	3	0				50	17	2	0	63 ³ / ₄	Stockless CS HEAD	KOBE STL WKS	KSWPH 19.3.26 YJ.	
916	2nd „ ...	64	1	17				50	15	0	0	63 ³ / ₄	- do -	- do -	- do - 30.6.26 YJ.	
907	3rd „ ...	56	1	23				46	6	1	0	54 ¹ / ₂	- do -	- do -	- do - 19.3.26 YJ.	
	Collective weight.	185	5	12								182				
917	Stream	18	1	25	4	3	3	19	8	3	0	17 ¹ / ₂	Stock CS BODY	- do -	- do - 12.7.26 YJ.	

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.	Statutory.	Breaking.	Supplied.	Per Rule.		Length.	Diam.	Length.					Cir.	Length.		Cir.	
	Fathoms.	Inch.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Inch.					Fathoms.	Inch.	Tons.	Fathoms.	Inch.
1387	271	2 1/4	91 1/8	121 1/2	711	0	6	682 1/4	270	2 1/4	STUD LINK.	OSAKA CHAIN WORKS.	O.P.H 25.1.26 YJ	TOWLINE...	120	5	68 5/8	120	5
	✓	✓											" 28.4.26 "	HAWSERS & WARPS }	90	2 3/4	19.54	90	2 3/4
													" 29.4.26 "	"	90	do.	19.55	90	do.
Iron Stream Chain or Steel Wire }														"	90	1"	MANILA	90	1"
	90	4 3/4		685					90	4 3/4	STEEL WIRE.	KWANSAI SENI K.K. OSAKA.	O.P.H 4.9.26 AW.	"	90	do.	do.	90	do.

Steering Gear, ~~Electric~~ *HELE-SHAW TYPE.* MAKERS: *HASTIE GREENOCK.* Steering Gear, Hand *SCREW TYPE*

Boats *22 22' x 675' x 2.75'* Steering Chains, Size and Test *ITEMMA 2 16' x 4.75' x 1.75'* Windlass *ELECTRIC MOTOR. (CLARKE CHAPMAN)*

Ceiling in Holds, thickness and material *2¹/₂" OP.* Cargo Battens, thickness, material and spacing *6" x 2" OP x 9"*

Cargo Hatchways.—(Upper Deck) *STEEL PLATES & ANGLES.* Thickness of Hatches *2¹/₂" OP.*

Size of No. 1 Hatchway (Forward) *31' 6" x 20' 0" x 2' 6"* No. 2 *31' 5" x 20' 0" x 2' 6"* No. 3 *29' 0" x 20' 0" x 1' 6"* No. 4 *31' 5" x 20' 0" x 2' 6"* No. 5 *31' 5" x 20' 0" x 2' 6"* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *5 EACH HATCH* *18" x .36* TOP ANCHORS *4¹/₂ x 3¹/₂ 7/16 Double*
Bottom " 4 x 3¹/₂ 7/16 "

Builder's Signature *A. Mikami.*
The Kobe Steel Works, Ltd. Harima Dockyard.

GENERAL DECLARATION *This vessel has been constructed under Special Survey & in accordance with the Rule requirements & approved plans, and the materials and workmanship are sound & good.*

The Double Bottoms, Weather decks, Bulkheads & Internal plating have been tested according to Rule & found satisfactory

The requirements of Section 35 of the Rules have been complied with & the vessel is in my opinion eligible for the notation "Fitted for fire fuel 11-26 (F.P. above 150°F)" "pt. cem". "Lloyd's A & C.P." & "Intermediate Bil in forehold dispensed with - 6 B.H." with the insertions "hireders" & "Electric Light" to be made in the Register Book.

The forehold has been verified & the forehold marks cut in the vessel's sides in accordance with the attached verification form.

The amount of Entry Fee *yen 90⁰⁰* Fees applied for, *19*

Special Survey Fee... *yen 5154⁰⁰* Received by me, *29.12.26*

Freeboard *165*

Travelling Expenses, if any *yen 239⁰⁰*

I am of opinion the Vessel should be Classed *+ 100 AI*

State whether the Vessel has been built under Special Survey *Yes.* Signature *Inoueian.*

Certificate to be sent to *7/1/27* Date of issue *Kobe.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 7 JAN 1927*

Character assigned *100 AI.*

Lloyd's A & C.P. *+ L.M.C. 11.26 C.L.*
Oil Engines

My

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 "as built" will be forwarded immediately on receiving them from Builders.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	37 cwt	3 gr	7 1/4"	YJ.	Nº 906	23.2.26	HEAD ONLY.
	2nd "	37 cwt	3 gr	20 1/2"	YJ.	Nº 916	16.6.26	" "
	3rd "	32 cwt	3 gr	9 1/2"	YJ.	Nº 907	4.3.26	" "
	STREAM.	18 cwt	1 gr	2 1/4"	YJ.	Nº 917	25.6.26	BODY.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 34.5 ft., R.Q.D. ✓ ft., Bridge 142 ft., Forecastle 48.6 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 2. STEEL

Official No. 32491 ; Signal Letters T.H.V.J. If bottom of Vessel has been coated Inside BILGES ONLY particulars of composition CEMENT.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	116.0	504	Fore peak tank,	25.3	250
Double bottom, under Engines and Boilers,	48.3	151	After peak tank,	22.88	26.2
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	183.4	693	Deep tank, forward,		
Double bottom, forward,	Total capacity of double bottom 1358		Other tanks, if fitted, BETWEEN TUNNELS Nº 3 HOLD } Fd (If necessary, furnish further information by sketch.) } Aft WING TANKS Nº 4 HOLD } PORT STARS } STARS	17.0	31.0
				17.0	31.0
				31.5	65.0
				31.5	65.0

Order for Special Survey No. 12 Date 14.7.25. Dates of Surveys held while building 1925 Sept. 28 : Oct 6. 13. 27 : Nov 6. 11. 17. 25. 26. 28. 30. Dec. 1. 2. 3. 28 1926 Jan. 11. 13 : Feb. 8 ; March 12. 17. 18. 19. 20. 21. Apr. 2. 14. 29 ; May 4. 17. June 4. 11. 16. 23. 24. 25. 26. 27. 28. 29. 30. July 1. 6. 9. 14. 15. 19. 23. 26. 27 Aug. 9. 25 Sept 7. 10. 13. 20. 22 Oct. 1. 7. 11. 15. 19. 26. 27 November 2. 10. 12. 19. Total No. of Visits 61