

SECTION

No. 812A

Date of completion of report 10th October 1954

Port of K O B E

No. F.E.-2369

Survey held at Tamano

Date First Survey 28th November 1953

12th July 1954

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

Single Screw Motorship "HOEISAN MARU" Machy. Amidships

State Type (Full Scantling Complete Superstructure
with or without Tonnage Openings)

Complete Superstructure with tonnage
opening.

State Type of Erections *Forecastle*

TONNAGE under 16245.715 M³
Tonnage Deck ...

CLASS * 100A1

State if with freeboard } Yes
as condition of Class }

Built at Tamano

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

Length from fore part of stem to after part of stern } 142.455
post on summer L.W.L. See Sec. 3 (1a)

Launched 23rd April 1954 Yard No. 581

Total

Gross Tonnage 6952.52

Register Tonnage 3854.60

Breadth (greatest moulded) _____ B 19.300

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) $\left. \begin{array}{l} \text{D} \\ 2.56 \text{ M} \end{array} \right\} \begin{array}{l} 9.500 \\ 12.400 \end{array}$

Builders Mitsui S. B. & Eng. Co. Ltd.

Owners Mitsui Senpaku K.K.

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry Tokyo

If surveyed while building, afloat, or in dry dock

yes : Undocked 24/6/54

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Income IN SHIP.	Any Departure from Approved Plans to be Noted.		Income IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	840	/	Bracket Floors, Frame	230 x 11 BP	/
" " from $\frac{3}{4}$ length amidships to Collision bulkhead.....	685 & 650	/	" " Reversed Frame.....	230 x 11 BP	/
" " in peaks	610	/	" " Vertical Struts	230 x 90 x 11 B.A.	/
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1215 x 14	/
Frame Amidships, Angle, [or [	300 x 90 x 10/15.5 1.0.A.	/	" " top Angles	180 x 13 FB	/
" " Extends up to.....	Lower deck	/	" " bottom Angles.....	E.W. direct	/
Reversed Frame Amidships, Angle	-	/	Side Girders, No. each side and thickness.....	Two ; 10	/
" " Extends up to ...	-	/	Margin Plate depth (excl. of flange) and thickness	1035 x 14	/
Depth of Framing Girder.....	300	/	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	E.W. direct	/
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	180 x 9.5 B.P.	/	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	welded	/
" " Second 'tween Decks, Angle, [or [	230 x 11 B.P.	/	" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	13.5 continuous	/
" " Third " " " "	-	/	" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		/
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	300 x 90 x 10/15.5 1.0.A.	/	Tank Side Brackets, height above base line at toe of Frame and thickness	1950 x 12.5	/
" " in Peaks, Angle or [	230 x 90 x 11 B.A.	/	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	E.W. direct	/	Breadth and thickness of Middle Line Strake...	1400 x 13.5	/
State if Frame Joggled.....	Yes (in way Sh. tween decks only)	/	Thickness of remainder in Holds	12.5	/
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved ?	Yes	/	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.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, [or [	230 x 11 BP	/
Floors, Depth and thickness at mid-line in Holds.....		/	" " in way of Bridge, Angle, [or [	230 x 11 B.P.	/
Height of Brackets at side above base line at toe of frame.....		/	Spacing	every frame	/
Middle Line Keelson, on Floors, Angles, [or [		/	Second Deck, amidships, Angle, [or [	250 x 90 x 12 BP	/
" " Through Plate or Inter-costal Plate		/	Spacing	every frame	/
" " Foundation Plate on Floors		/	Third Deck, amidships, Angle, [or [	250 x 12 BP	/
" " Flat Plate Keel Angles		/	Spacing.....	every frame	/
Side Keelsons, No. each side.....		/	Fourth Deck, amidships, Angle, [or [-	/
" " thickness of Intercoastal Plate...		/	Spacing.....	-	/
" " Angles		/	Poop Deck, Angle, [or [-	/
DOUBLE BOTTOM.			Spacing.....	-	/
Solid Floors, thickness and spacing	11 ; every third frame	/	Bridge Deck, Angle, [or [-	/
" " Are Frame and Reversed Frame joggled ?	E.W. direct	/	Spacing.....	-	/
Bracket Floors, breadth and thickness at middle line	970 x 11 fl. 75	/	Forecastle Deck, Angle, [or [	200 x 10 BP	/
" " breadth and thickness at margin plate.....	1000 x 11 fl. 75	/	Spacing.....	every frame	/

PILLARS AND DECKS.

		IN SHIP.	Any Departure from Approved Plans to be Noted.			IN SHIP.	Any Departure from Approved Plans to be Noted.	Number Certified
PILLARS, No. of Rows	Two			Stringer Plate, breadth and thickness in way of Bridge	-			Y-53
" in 'tween Decks, Size and Spacing	rows as			Thickness of Plating abreast Deck openings in way of Wells	13 & 10			Y-53
" " " " "				Thickness of Plating abreast Deck openings in way of Bridge.....	-			Y-53
" in Holds " " "	approved			Thickness of Plating within line of openings...	9.5			Number Certified
" " " " "				If Sheathed, material and thickness.....	-			1726
Centre Line Bulkhead.				Third Deck.				
Stiffeners and Spacing	none			Stringer Plate, breadth and thickness.....	1400 x 8			
Plating, thickness of	-			If Plated, state thickness	8			
STRINGERS AND DECKS.				Fourth Deck.				
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....	-			
Stringer Plate, breadth and thickness in Wells	1600 x 23.5			If Plated, state thickness.....	-			
" " " " in way of Bridge	-			Poop Deck.				
" Angle in Wells	200 x 200 x 25			Stringer Plate, breadth and thickness.....	-			
Thickness of Plating abreast Deck openings in way of Wells	21.5			Plating, Sheathing, material and thickness ...	-			
Thickness of Plating abreast Deck openings in way of Bridge.....	-			Bridge Deck.				
Thickness of Plating within line of openings...	10			Stringer Plate, breadth and thickness.....	-			
If Sheathed, material and thickness.....	In way of No. 3 Hold only:- 65 mm composition (Dex-o-Ten)			Plating, Sheathing, material and thickness ...	-			
Second Deck.				Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells	1400 x 12			Stringer Plate, breadth and thickness.....	9 breadth varied			
				Plating, Sheathing, material and thickness...	8 ; not sheathed			

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>no</i> 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.	
Flat Plate Keel.....	Inches. 14.00	Inches. 22.5	Inches. 23	Inches. 22.5	/	E. W.	-	-				
„ Dblg. (if any)	-	-	-	-		-	-	-				
Bottom Plating, No. of Strakes .....5.....	-	21 <i>X</i>	23	14	<i>X</i> 22 under mchry.	E. W.	-	-				
Bilge Plating, No. of Strakes .....F.....	-	19.5	14	14	/	D.R. <i>upper</i> <i>lower</i>	22 25	93 105	/			
Side Plating, No. of Strakes .....4.....	-	18	14	12	/ Approved 17	E. W.	-	-				
Upper Deck, Sheer- strake in Wells.....	1800	22	12	12	/ Approved 20	D. R	22	93				
Upper Deck, Sheer- strake in Bridge ...	-	-	-	-		<i>upper edge DR</i> <i>lower edge welded</i>	22	93	/			
Strake below Sheer- strake in Wells.....	L -	18	12	12	/	-	-	-				
Strake below Sheer- strake in Bridge ...	-	-	-	-		-	-	-				
Poop Side Plating.....	-	-	-	-		-	-	-				
Bridge Side Plating.....	-	-	-	-		-	-	-				
Forecastle Side Plating	-	-	11	-	/	E. W	-	-				

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to <i>skelley</i> Upper Deck (Sec. 3 c)	2
„ Deck next below	7
As per Rule	7

*Colts 16 Sk.
7 to 200 Sk.*

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	—			
STEM	Plate			
STERN FRAME { Propeller Post	C-S	As	Sumitomo	
{ Rudder		offd.	Metals Industries	
Speed of Vessel	17.9	knots		
RUDDER—Type	Simplex	Balanced	Reaction	
“ A × D Total M	18.08	M ²		
“ Diam. of head	F. 5.	320 dia		
“ Mainpiece at top pintle	—			
“ “ heel	—			
“ how constructed	welded			
“ double or single plate	double			
“ coupling, vertical or	horizontal			
“ horizontal				

		Plating Thickness. mm	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks	6.5	100x75x7	1.0-A. 720		
"	" Second "	6.5 ; 7	100x75x7 1.0-A	770		
"	" Third "	-	-	-		
"	" Holds	8 to 10.5	230x11 BP	770		
COLLISION	" (in Hold)	9 to 14.5	250x12 BP	600		
AFTER PEAK	"	7.5 to 13	125x75x10	610		approved

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Basic Open Hearth
Japan Steel ; Yawaka ; Fuji ; Kawasaki ; Nippon Kōkan

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

EQUIPMENT No. 49753

LETTER E+27/16

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.	qrs.				lbs.
Y-5373	1st Bower	82	2	17	do.			60	0	0	0	85 1/2	Latest Improved Hall's Type	Tokyo Steel Casting Co.	Tokyo 9/3/54 T.N.	
Y-5372	2nd "	82	2	6	do.			60	0	0	0		do.	do.	do.	
Y-5374	3rd "	82	1	23	do.			60	0	0	0		do.	do.	do.	
	Collective weight	247	2	18								247 1/2	Admiralty Pattern	do.	do.	
Y-5375	Stream	25	1	15	6	3	15	25	13	0	0	25				

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.		Length.	Ins.
17267	300	2 7/16	150	210	970 -	890 1/4	300	2 7/16	Cast Special Steel	Komatsu Mfg. Co.	Komatsu 12/12/53 H.I.	TOWLINE	130	5 1/2 (6x24)	91	130	5 1/2 (6x24)
												HAWSERS & WARPS	2 @ 100	2 3/4 (6x12)	16.75	2 @ 100	2 3/4 (6x12)
M-17331	123	4 3/4	-	70.5	-	-	120	4 3/4	GFSWR	Teikoku Sangyo Co.	Kaiyuka 15/12/53 M.S.		2 @ 100	8	16.75	2 @ 100	8

Steering Gear, Type (Power or hand) Electro - Hydraulic 25 H.P. Alternative Means of Steering Manual
 Steering Chains (Size and Test) none Windlass Electric 95 H.P. Boats 2 wood lifeboats (includes 91 motor)

in Holds, thickness and material 65 mm pine on 65 mm pine bearers Cargo Battens, thickness, material and spacing 190 x 50 pine 230 mm apart

Hatchways.-(Upper Deck) Strongly constructed of steel. Thickness of Hatches 65 mm

Hatchways No. 1 (Fwd.) 8220 x 6000 No. 2 12520 x 7000 No. 3 11760 x 7000 No. 4 8400 x 7000 No. 5 13440 x 7000 No. 6 8130 x 7000

of Shifting Beams } Mr. Gregor Steel cover 8 7 5 9 5

Builder's Signature

MITSUBISHI SHIPBUILDING & ENGINEERING CO., LTD., YAMATO WORKS.

Senior Managing Director.

AL 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 no 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).

Ship has been built under Special Survey in conformity with the Society's Rules and Regulations as shown in the Secretary's letters. The scantlings and arrangements of the ship are as given in the plans and as shown on the "As Approved" and "As Built" plans now forwarded. All modifications to the original approved arrangements made during construction have been stated on the plans and have been approved as being in accordance with or in excess of the Rule requirements. The plans of Midship Section and Profile & showing the ship as built have been checked with the approved arrangements and in order. The watertight bulkheads, weather decks clear of oil tanks, oil tight doors have been horetested and found tight. All cargo tanks, deep tanks and double bottom tanks have been pressure tested in accordance with the Rules and found tight. The requirements of the Rules Section 20 for carrying fuel oil above 150°F, have been complied with where applicable. The windlass and auxiliary steering gear has been tried under working conditions and satisfactory. Fuel oil can be carried in the deep tanks amidships and in Nos 2 & 6 double bottom tanks. The materials and quality of workmanship are the freeboards assigned by Nippon Kaigi Kyokai have been cut in and checked on the ship's sides and verified.

The amount of Entry Fee..... £ 2,120,000
 Cargo Warrent 15,000
 Special Survey Fee..... £ : :
 Travelling Expenses, if any £ 61,885

Fees applied for,
 OCT 27 1954
 Received by me,
 19

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

I am of opinion the Vessel should be Classed +100A1State whether the Vessel has been built under Special Survey yes

Signature

Y. M. Naisby, J. H. Naisby, J. H. Naisby
 Surveyors to Lloyd's Register of Shipping.Certificate to be sent to Kobe in Trip Date of issue 28/1/55

Committee's Minutes

TUESDAY 11 JAN 1955

Character assigned

+100 A1 Carrying Veg. Oil in Sp. Tanks.11.54 Tm.Lloyds A+CB+LMC 7.54DB 100 lb.CL. Oil Eng.

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Lloyd's Register Foundation

011449-011460-0020

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 forwarded herewith :-

AS BUILT

Midship Section

Profile of Decks (1)

" " " (2)

Double Bottom in E.R. (1)

" " " " (2)

Shell Expansion of Stem

After End Framing

Fore End Framing

Stern Frame & Rudder

W.T & O.T. Bulkheads

Cruiser Stern

Boat Deck etc.

Saloon " "

Pumping Plan

Capacity Plan

The following Forging & Casting Certificates are attached :-
Sternframe, Rudder Stock, Rudder Post, Liller

This vessel is a sister ship to "HAKONESAN MARU" Rpt No. 2121
"AKAGISAN MARU" " " 33
"AKASHISAN MARU" " " 718
"AWAJISAN MARU" " " 742
"AWOBASAN MARU" " " 758
"AKIBASAN MARU" " " 1123
"HARUNASAN MARU" " " 1979

This vessel is also classed with Nippon Kaiji Kyokai.

PARTICULARS OF ELECTRIC WELDING (if employed) All electric welded except the following connections which are riveted :- Shelter dk stringer angle; centre girder to inner bottom; floors to middle line stroke of tank top; margin plating to shell; seams of middle line stroke of inner bottom; both seams of bilge stroke; seam of shelter deck sheerstroke; main & shelter deck beam knees to frames; lower deck beam knees to beams; bilge brackets to continuous gusset.

SPECIAL NOTATIONS :- Either as part of the vessel's class or for record in the Register Book Lloyd's A & CP; pt Elec. welded; pt. cem.; Radar; ESD;

RADAR Equipment (State if fitted) Yes
State Type or Pattern No. Mark II Model O
State } Maker Sperry Gyroscope Co. U.S.A.
Name } and/or
of } Supplier

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

1st Bower	55 cwt. 0 qrs. 27 lbs.	T.N.	Y 5369	22/2/54
2nd "	55 cwt. 0 qrs. 5 lbs.	T.N.	Y 5368	22/2/54
3rd "	55 cwt. 0 qrs. 5 lbs.	T.N.	Y 5370	2/3/54

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 42.4 ft. on sk. dk.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.
Official No. 72430 Signal Letters J E L S Extreme Breadth over Belting — Over-all Length 504.5 ft. (Circ. 1703)
No. and Material of Decks Two (1 dk & shelter dk); 3rd deck except in ho. 6 Hold; Steel.
Parts of Bottom of Vessel coated with cement or approved composition in way of nos 1 & 7 DB, & FW tanks in E.R. DB.

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, F.O. only	115.7	Tons.	Fore peak tank,	—	212.1
Double bottom, under Engines and Boilers,	—	—	After peak tank,	—	212.2
Double bottom, if under Engines only, FO & FW only	68.9	—	Deep tank, aft, No. 7 FW or WB	37.7	156.9
Double bottom, if under Boilers only,	—	—	Deep tank, forward, amids.	44.1	1105.1
Double bottom, forward, F.O. & S.W.	188.2	64.3	Other tanks, if fitted,	—	—
Total length (if continuous) and Capacity	372.8	64.3	(If necessary furnish further information by sketch.)		

Order for Special Survey No. —

Date

Dates of Surveys held while building

GGY 1953 28th Nov.; 1954 14th Jan 16th Feb, 6th & 13th April.
TFW 1954 9th March, 11th May, 4th June, 8th July
JN 1954 15th 18th 19th & 25th Feb.; 2nd 4th 7th 17th 18th 21st 26th 30th 31st March; 6th 10th 13th 16th 20th 21st April; 4th 7th 11th 22nd & 28th May; 4th 8th 18th 22nd 25th 26th 29th June, 1st 3rd 7th & 12th July.
Total No. of Visits 44