

STEEL STEAMER or MOTORSHIP.

Received at London Office 15 SEP 1933

State if Report has been sent on the Freeboard of the Vessel *yes*State if Report is sent on the Machinery of the Vessel *yes*

Date of completion of report 15-8-33

Port of *Kobe*

No. 8297.

Survey held at *Tama*

Date First Survey 7-7-32

Last Survey 1-8-33

19

On the (State if Machinery fitted Aft and
if Single, Twin or Triple Screw)*Single Screw Motor Vessel "AZUMASAN MARU"*State Type (Full Scantling, Complete Superstructure
with or without Tonnage Openings)*Intermediate Type*State Type of Erections *Prop. Bridge & Funnel*TONNAGE under
Tonnage Deck...*6835.86*CLASS *+100 A1*State if with freeboard
as condition of Class*yes*Built at *Tama*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.L. See Sec. 3 (1a)L *450*Launched *28 May 1933*Yard No. *195*

Breadth (greatest moulded)

B *60.0*Builders *Hitachi Bussan Kaisha Ltd.*

Total

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c)D *37.0*Owners *Hitachi Bussan Kaisha Ltd.*Gross Tonnage *7613.88*

Register Tonnage

1st Longitudinal Number (L x D) = *16650*

Managers

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

2nd Numeral L x (B + D) = *43650*

Residence

REGISTERED DIMENSIONS.
FEET.

Length

454'-0"

Breadth

60'-0"

Depth

*37'-0"*Framing Depth "d," at middle of length. See
Sec. 3 (1d)*22'-1"*Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel*12.17*Port of Registry *Kobe*Do. Long Bridge to top
of keel*10.06*

If surveyed while building, afloat, or in dry dock

Draught Moulded

*26'-7.04"**While Building*

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. a 1/2 in.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. a 1/2 in.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	33"		Bracket Floors, Frame	180 90 11	
" " from 3/4 length to Collision	17"		" " Reversed Frame	180 75 9	
" " in peaks	24"	Frames 143-155	" " Vertical Struts	260 92 92	260 x 92 x 92
	22"	" 155-167	Centre Girder, depth and thickness amidships	47 x 60	
SIDE FRAMING.			" " top Angles	3 1/2 x 3 1/2 x 56	90 x 90 x 14
Frame Amidships, Angle, E or C	320 100 14.5		" " bottom Angles	5 x 5 x 64	130 x 130 x 17
" " Extends up to	320 100 13.5		Side Girders, No. each side and thickness	Two 48 Flanged	
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	41 x 58	
" " Extends up to			" " Vertical Angle to Tank side	5 x 5 x 48	150 x 150 x 12.7
Depth of Framing Girder			" " Bracket abaft 1/2 len. from stem	6 x 6 x 48	See 130 x 130 x 12 Plan
Frames in Uppermost Continuous 'tween	230 90 11.5		" " Vertical Angle to Tank side		
Decks, Angle, E or C			" " Bracket forward 1/2 len. from stem		
" " Second 'tween Decks, Angle, E or C			" " Gussets, spacing and scantling	Continuous	
" " Third " " " "			" " abaft 1/2 len. from stem		
Framing in Peaks, Angle or C	230 90 11		" " Gussets, spacing and scantling	46	
Diameter and Spacing of Rivets through	7/8 @ 5 1/4		" " forward 1/2 len. from stem		
Frame and Shell Plating amid-			Tank Side Brackets, height above base line	81 x 52	
ships			" " at toe of Frame and thickness		
State if Frame Joggled	Joggled		INNER BOTTOM PLATING.		
PANTING ARRANGEMENTS (Sec. 7), state	Deep frame system		Breadth and thickness of Middle Line Strake	72 x 54	
system and particulars	340 100 17		Thickness of remainder in Holds	46	
STRENGTHENING OF BOTTOM FOR-	200 90 12.5		Are Rule requirements complied with regarding	yes	
WARD. State Particulars	lin. of intercostal stringers		increases of scantlings in way of double		
SINGLE BOTTOM.			bottom in E. & B. space and framing in		
Floors, Depth and thickness at mid-line in			Bunkers and Boiler Room?		
Holds			BEAMS.		
Height of Brackets at side above			Uppermost Continuous Deck, amidships	230 90 11.5	
base line at toe of frame			" " in Wells, Angle, E or C		
Middle Line Keelson, on Floors, Angles,			" " in way of Bridge, Angle,	230 90 11.5	
" " " " " "			" " E or C		
" " " " " "			Spacing	Every frame	
" " " " " "			Second Deck, amidships, Angle, E or C	250 90 11	
" " " " " "			Spacing	Every frame	
" " " " " "			Third Deck, amidships, Angle, E or C		
" " " " " "			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or C		
" " thickness of Intercostal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or C	200 75 10	
DOUBLE BOTTOM.			Spacing	Alternate frames	
Solid Floors, thickness and spacing	45 Every 3 frames		Bridge Deck, Angle, E or C	230 90 11	
" " Are Frame and Reversed Frame	yes		Spacing	Every frame	
joggled?			Forecastle Deck, Angle, E or C	180 75 11	
Bracket Floors, breadth and thickness at	36 x 45		Spacing	Every frame	
middle line					
" " breadth and thickness at	44 x 45				
margin plate					

PILLARS AND DECKS.

	INCHES IN SHIP. "m/m"	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	<i>Two Rows</i>		Stringer Plate, breadth and thickness in way of Bridge	<i>72 x 38</i> ✓	
" in 'tween Decks, Size and Spacing.....	<i>of midship deck</i>	<i>See approved plan</i>	Thickness of Plating abreast Deck openings in way of Wells	<i>40</i>	
" " " " " "	<i>Three girders</i>		Thickness of Plating abreast Deck openings in way of Bridge	<i>34</i> ✓	
" in Holds " " "	<i>strong hatch and beams</i>		Thickness of Plating within line of openings...	<i>34</i> ✓	
" " " " " "			If Sheathed, material and thickness	<i>2 1/2 x 3/4</i>	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....		
Plating, thickness of			If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	<i>72 x 38</i>	
Stringer Plate, breadth and thickness in Wells	<i>72 x 34</i>		If Plated, state thickness		
" " " " in way of Bridge	<i>72 x 44</i>		Poop Deck.		
" Angle in Wells	<i>160 160 20</i>		Stringer Plate, breadth and thickness	<i>38 x 38</i> ✓	
Thickness of Plating abreast Deck openings in way of Wells	<i>80</i> ✓		Plating, Sheathing, material and thickness ...	<i>36 Exposed</i>	
Thickness of Plating abreast Deck openings in way of Bridge	<i>40</i> ✓		Bridge Deck.		
Thickness of Plating within line of openings...	<i>44</i> ✓		Stringer Plate, breadth and thickness.....	<i>66 x 60</i> ✓	
If Sheathed, material and thickness	<i>not</i> ✓		Plating, Sheathing, material and thickness ...	<i>50 1 1/2 O.P.</i>	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	<i>72 x 44</i>		Stringer Plate, breadth and thickness.....	<i>36 x 38</i> ✓	
			Plating, Sheathing, material and thickness ...	<i>36 Not Sheathed</i>	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		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.
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.		
FLAT PLATE KEEL	72 ✓	88 ✓	84 ✓ 76	76 ✓		Double	1"	3 1/3	Four	1"	4"	Lap
" DBLG. (if any)	-	-	-	-								
BOTTOM PLATING, No. of Strakes 3.....		72 ✓	60 ✓	58-56 ✓ See app'd Shell Plan		Double	7/8"	3-3	Four	7/8"	3 1/2	Lap
BILGE PLATING, No. of Strakes 2.....		72 ✓	60 ✓	54-56 " "		"	7/8"	3-3	"	7/8"	3 1/2	"
SIDE PLATING, No. of Strakes 3.....		70 ✓	54-60 ✓	48-52 " "		"	7/8"	3-3	"	7/8"	3 1/2	"
UPPER DECK, Sheer-strake in Wells.....	66 ✓	92 ✓	48 ✓	48 ✓		"	7/8"	3-3	Three	1"	4	Double Strap
UPPER DECK, Sheer-strake in Bridge ...		70 ✓				"	7/8"	3-3	Four	7/8"	3 1/2	Lap
STRAKE BELOW Sheer-strake in Wells.....	78 ✓	72 ✓	50 ✓	48 ✓		"	7/8"	3-3	Four	7/8"	3 1/2	"
STRAKE BELOW Sheer-strake in Bridge ...		70 ✓				"	7/8"	3-3	Four	7/8"	3 1/2	"
POOP SIDE PLATING				40 ✓		"	3/4"	3-0	Two	3/4"	2 5/8	"
BRIDGE SIDE PLATING ...		64 ✓	-	-		"	7/8"	3-3	Four	7/8"	3 1/2	"
FORECASTLE SIDE PLATING		-	44 ✓			"	3/4"	3-0	Two	3/4"	2 5/8	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—				
Extending to Upper Deck (Sec. 3 c)	Seven	(7)		
„ Deck next below	One	(1)		
As per Rule	Seven	(7)		
			STIFFENERS:	
	Plating Thickness.		VERTICAL.	HORIZONTAL.
			Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks	26-30	150-75-95	31"	-
„ „ Second „				
„ „ Third „				
„ „ Holds	30-52	320-100-4-56	31"	
COLLISION „ (in Hold)	30-54	8-13-42	5 Below	25-8-5
AFTER PEAK „	30-52	280-90-13-56	24"	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	<i>Cast Steel</i>	<i>See app'd plan</i>		
STERN FRAME { Propeller Post	<i>Cast Steel</i>	" " "		
{ Rudder "	<i>Steel frame</i>			
RUDDER—A x D	<i>4.57</i>	<i>Rudder Stock 11 3/4 dia.</i>		
Speed of Vessel	<i>17</i>			
RUDDER mainpiece at head	<i>Cast Steel</i>	<i>See app'd plan</i>		
" " heel				
" how constructed	<i>Angled stock, cast steel mainpiece, arms, double plate</i>			
" double or single plate				
" coupling, vertical or horizontal	<i>Horizontal coupling</i>			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *O.H.S.M.*

Asans Shipbuilding Co. Vereinigte Stahlwerke A.G. Hordor Verein f. Hordor August Thyssen-Hutte of Hamburg

Has the Steel been tested as required by the Rules? *yes*

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: "Friendship" sister

Instruction Profile & Decks
General arrangement

Being retained until Sister Vessel completed

Framing & Lashing Certificate

The action notes for the steel work on hull deck for "Friendship" sister
upon M.B.K 196 sister building

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

1st Bower	45wt-3qn-11th	H.A.G.	1091	25-11-32
2nd "	45"-2"-10"	H.A.G.	1090	25-11-32
3rd "	39-1-0	H.A.G.	1092	15-11-32

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 28.25 ft., R.Q.D. — ft., Bridge 170.5 ft., Forecastle 33.83 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) Two Steel

Official No. 38085 ; Signal Letters J.P.U.H

Is bottom of Vessel coated with cement no if not give

particulars of composition none

PARTICULARS OF WATER BALLAST.—

Where Fitted.	395.25		Where Fitted.		
	Length. Feet.	Water Capacity. Tons.		Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	148.6	504.49	Fore peak tank,	22.75	78.63
Double bottom, under Engines and Boilers,	57.75	496.87	After peak tank,	20.0	68.80
Double bottom, if under Engines only,	—	—	Deep tank, aft,	30.25	1098.46
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	189.0	700.96	Other tanks, if fitted,	—	—
Total capacity of double bottom		1702.32	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 42

Date 24 Dec. 1931

Dates of Surveys held while building

1932 July 7. Aug. 4. 8. 24. Oct. 19. 26. 31. Nov. 9. 15. 21. Dec. 13. 21. 27
1933 Jan. 11. 12. 17. 25. 31. Feb. 14. 28. March 4. 10. 14. 23. 24
April 5. 12. 17. 25. May 9. 17. 18. 20. 28

Total No. of Visits 34