

STEEL STEAMER or MOTORSHIP.

Received at London Office

17 SEP 1934

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

Date of completion of report

10th August 1934

Port of

Yokohama

No. 5343

Survey held at

Uraga

Date First Survey

1st Aug. 1932

Last Survey

9th August 1934

On the

(State of Machinery fitted (1) and (2) Single, Twin or Triple Screw)

Single Screw "KANO MARU"

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Opening)

Complete superstructure with tonnage opening

State Type of Erections

Forecastle

TONNAGE under Tonnage Deck

5682.68

CLASS $\pm 100 A1$

State if with freeboard as condition of Class

Yes

Built at Uraga

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

0

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

L 450' 0"

Launched 16th Sept. 1933

Yard No. 386

Total

5682.68

Breadth (greatest moulded)

B 61' 0"

Builders Messrs Uraga Dock Co. Ltd.

Gross Tonnage

6940

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 40' 06"

Owners Kohusai Kisen Kabushiki Kaisha

Register Tonnage

3785

1st Longitudinal Number (L x D) = 18027

Managers

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

2nd Numeral L x (B + D) = 45477

REGISTERED DIMENSIONS.

FEET.

Length

453.62

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

17.40

Residence

Breadth

61.00

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.23

Port of Registry Tokio

Depth

40.06

Draught Moulded

26.9

If surveyed while building, afloat, or in dry dock

While building

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.
FRAMES, Spacing amidships	36		Bracket Floors, Frame	7 8 3 46	
" " from $\frac{3}{4}$ length to Collision bulkhead	27		" " Reversed Frame	7 8 3 36	
" " in peaks	24		" " Vertical Struts	15" FLANGED PLATE	
SIDE FRAMING.			Centre Girders, depth and thickness amidships	46.62	
Frame Amidships, Angle \times or \square	36" SPACE 11 3 48		" " top Angles	3 3 56	
" " Extends up to 27"	11 3 44		" " bottom Angles	5 5 66	
" " Lower Two \times or \square 2nd SH. DK. ALT. 36" SPACE 8 3 46	8 3 46		Side Girders, No. each side and thickness	2 44	
Reversed Frame Amidships, Angle 27"	9 3 40	ALL TO SH. DK.	Margin Plate depth (excl. of flange) and thickness	39.58	
" " Extends up to			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	6 6 58 TEE BAR	
Depth of Framing Girder	11"		" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	6 6 48 DOUBLE	
Frames in Uppermost Continuous tween Decks, Angle, \square or \times	6 3 42 L		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	CORNUCOPIA MARGIN PLATE FLANGED	
" " Second tween Decks, Angle \times or \square	8 3 46		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	MARGIN HORIZONTAL	
" " WING TANK ABOVE WING TANK 36" SPACE 11 3 54	10 3 44		Tank Side Brackets, height above base line at toe of Frame and thickness	7.2 52	
" " Third DEEP TANK 27" SPACE 11 3 48	11 3 48		INNER BOTTOM PLATING.		
Framing in Peaks, Angle \times or \square	8 3 44		Breadth and thickness of Middle Line Strake	56.56	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 4 1/8		Thickness of remainder in Holds	49	
State if Frame Joggled	JOGGED IN TWEEN DECKS ONLY		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	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	DEEP FRAMES SIDE SHELL PLATING INCREASED UNDER 2nd DK 2 SIDE STRINGERS 8 x 3 1/2 x 44 BA		BEAMS.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	BOTTOM PLATING .73 BOTTOM FRAMES 6 x 6 x 48 S.A. ADDITIONAL GIRDER FITTED		Uppermost Continuous Deck, amidships	9 3 40	
SINGLE BOTTOM.			" " in Wells, Angle \times or \square		
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, \square or \times		
Height of Brackets at side above base line at toe of frame			Spacing	36	
Middle Line Keelson, on Floors, Angles, \square or \times			Second Deck, amidships, Angle, \square or \times	10 3 40	
" " Through Plate or Intercostal Plate			Spacing	36	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, \times or \square	10 3 52	
" " Flat Plate Keel Angles			Spacing	36	
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, \times or \square		
" " thickness of Intercostal Plate			Spacing		
" " Angles			Poop Deck, Angle, \square or \times		
DOUBLE BOTTOM.	E.R. 50 36		Spacing		
Solid Floors, thickness and spacing	46 72		Bridge Deck, Angle, \square or \times		
" " Are Frame and Reversed Frame joggled?	REVERSE YES FRAME NO		Spacing		
Bracket Floors, breadth and thickness at middle line	34 46		Forecastle Deck, Angle, \times or \square	8 3 40	
" " breadth and thickness at margin plate	60 46		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.....	Wide spaced pillars ✓				Stringer Plate, breadth and thickness in way of Bridge	✓			
„ in 'tween Decks, Size and Spacing.....	girders as per approved plan ✓				Thickness of Plating abreast Deck openings in way of Wells	✓	43		
„ „ „ „ „					Thickness of Plating abreast Deck openings in way of Bridge	✓			
„ in Holds „ „					Thickness of Plating within line of openings...	✓	35		
„ „ „ „ „					If Sheathed, material and thickness	✓			
Centre Line Bulkhead.	L 7 x 3 1/2 x 44 A INVERTED ✓				Third Deck.				
Stiffeners and Spacing.....	6	40	F.B. ✓		Stringer Plate, breadth and thickness.....	50	34	✓	
Plating, thickness of		36	SPACING. ✓		If Plated, state thickness.....		30	✓	
		30							
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....			✓	
Stringer Plate, breadth and thickness in Wells	65	76	✓	✓	If Plated, state thickness	✓			
„ „ „ „ in way of Bridge					Poop Deck.				
„ Angle in Wells	6	6	76 ✓	✓	Stringer Plate, breadth and thickness	✓			
Thickness of Plating abreast Deck openings in way of Wells		65	✓	✓	Plating, Sheathing, material and thickness ...	✓			
Thickness of Plating abreast Deck openings in way of Bridge					SALOON Bridge Deck.				
Thickness of Plating within line of openings...		46	✓	✓	Stringer Plate, breadth and thickness.....	60 1/2	30	✓	
If Sheathed, material and thickness	✓				Plating, Sheathing, material and thickness ...		25	✓	
Second Deck.					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells...	51	44	✓	✓	Stringer Plate, breadth and thickness.....	36	38	✓	
					Plating, Sheathing, material and thickness ...		36	✓	

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

* O.T.

Total No. of W.T. BULKHEADS in Vessel—	8
Extending to Upper Deck (Sec. 3 c)	1
" Deck next below	7
As per Rule	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	UPPER	STEEL PLATE	45	Société
STEM	LOWER	FORGING	10 1/2 x 4	de l'Empire à Outreau-Marchage
STERN FRAME {	Propeller Post		Casting	Oshima Steel Works.
	Rudder "		As approved plan.	
RUDDER—A x D.				
Speed of Vessel	17 KNOTS			
RUDDER mainpiece at head ...	As approved plan	10 1/2	Oshima Steel Works.	
" " heel ...	Forging	10 1/2		
" how constructed	"	Stream line type.		
" double or single plate		Double		} Eleet. welded
" coupling, vertical or horizontal		Horizontal		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Asano S B Co.*
Rippon Kohan K.K. Gutschloffenungslutte Abt. Oberhausen. Vereinigte Stahlwerke Abt. Hamborn
Oshima Steel Works.

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

Lloyd's Register
Foundation

EQUIPMENT No. 46722.												LETTER at.	ANCHORS.		
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.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	owts.	qrs.	lbs.	Owts.			
1126	1st Bower ...	82	2	14	-			60	0	0	0	177½	Halls Improved	The Kobe	Hole 10 April 1934 H.C. Barnett.
1125	2nd „ ...	82	2	8	✓			60	0	0	0	1	Pahat c s lead	Steel	
1124	3rd „ ...	82	0	6	✓			60	0	0	0	1	Forced steel strand.	Woods.	
	Collective weight.	247	1	0								232			
1127	Stream	23	2	4	15	3	14	23	11	3	14	23½	Admiralty type Best Steel Body		

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.	
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
2007	152	2 1/2	112 5/16	157 5/16	498.0.18			940	300	2 1/2	STUD LINK	Isihara Chain Works.	Osaka 10.5.34 Y. Jo.	TOWLINE	130	5 1/2	9 1/2	130	5 1/2
2008	155	2 1/2	112 5/16	157 5/16	515.3.22							"	"	HAWSERS & WARPS	2-120	8	20	12-100	8
														"	2-120	8	20	2-100	8
														"	2-120	3	27	2-120	3
Iron Stream Chain or Steel Wire	120	4 3/4		74 1/4															

Steering Gear, Steam *Electric* Steering Gear, Hand *Efficient* (Quadrant geared to main quadrant)
 2 lifeboats 30'0" x 9'9" x 3'10 1/2"
 Boats 1 *tenna* 20'6" x 5'3" x 2'0" Steering Chains, Size and Test *Pone* Windlass *Electric efficient.*
 Ceiling in Holds, thickness and material *2 1/2" W.W.* Cargo Battens, thickness, material and spacing *6 x 2" W.W. 4" APART*
 Cargo Hatchways.—(Upper Deck) *30" x 44"* Thickness of Hatches *3" O.P. WOOD, 3 1/2" on third deck only*
 Size of No. 1 Hatchway (Forward) *29'3" x 18'0"* No. 2 *36'0" x 20'0"* No. 3 *30'0" x 20'0"* No. 4 *30'0" x 20'0"* No. 5 *36'0" x 20'0"* No. 6 *29'3" x 18'0"*
 Number of Shifting Beams and/or Fore and Afters *Po. 1, 3, 4, & 6 hatchways 5 beams, Po. 2 & 5 hatchways 7 beams.*

Builder's Signature *Ch. Ono* *Uruga Dock Co.*

GENERAL DECLARATION. It should be stated (a) whether the vessel 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. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

The double bottom tanks and wing tanks aft have been fitted to carry oil fuel with flash point above 150°F
Cargo oil tanks have been fitted in Po. 4 hold.
The vessel has been built in accordance with the approved plans.
The workmanship and materials are good.
All weather decks, watertight bulkheads and doors and shaft tunnel have been hose tested and found watertight.
A copy of the midship section of the vessel as built also copies of forging, casting, and steel testing certificates are enclosed.
Pireless fitted.

The amount of Entry Fee £ 10 : 0 : 0 Fees applied for, *22/8/1934*
 Special Survey Fee.... £ 560 : 5 : 0 Received by me, *5-11-1934*
 Travelling Expenses, if any *£ 122* : *5/11*
London (cables) " 35
 State whether the Vessel has been built under Special Survey *Yes.* I am of opinion the Vessel should be Classed *-100 A1*
 Signature *A. W. Slashan.* with freeboard
 Certificate to be sent to Date of issue *2/10/34* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *TUE 8 OCT 1934*
 Character assigned *+100 A1*
With freeboard
Carrying large oil H. above 150°F in Deep Tanks
Write Zha (Hon)
Lloyd's arci
Rudder Electrically Welded
+ Lmb. 8.34
D.B. 100 W.
Oil Enl.

W184-0128 (2/2)

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.)

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

1st Bower	45.3.26	H.A.G.	1126	21.2.34
2nd "	46.0.18	"	1125	9.2.34
3rd "	46.1.5	"	1124	5.2.34

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☐ ft., Forecastle 39 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) 2 decks (S&H). 3rd deck (S&H) except in after hold.

Official No. 39657 ; Signal Letters J.R.N.J. Is bottom of Vessel coated with cement no if not give particulars of composition

PARTICULARS OF WATER BALLAST.— OR OIL FUEL

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <u>N.B. OR O.F.</u>	105	444	Fore peak tank,	22	72
Double bottom, under Engines and Boilers, <u>F.W.</u>	21	93	After peak tank,	22	71
Double bottom, if under Engines only, <u>N.B.</u>	39	172	Deep tank, aft, <u>IN No 4 HOLD A+B</u>	25	677
Double bottom, if under Boilers only, <u>V</u>			Deep tank, forward, " " " <u>C+D</u>	24	687
Double bottom, forward, <u>N.B. OR O.F.</u>	178	654	Other tanks, if fitted, <u>Tunnel</u>	39	187
Total capacity of double bottom		1366	(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. 26

Date 23rd June 1932

Dates of Surveys held while building

1/8/32. 8/8. 17/12. 20/12. 18/2/33. 13/3. 14/3. 23/3. 29/3. 30/3. 6/4. 7/4. 15/4. 17/4. 18/4. 20/4. 21/4. 24/4. 25/4. 26/4. 1/5. 5/5. 9/5. 12/5. 15/5. 18/5. 25/5. 30/5. 31/5. 2/6. 8/6. 12/6. 15/6. 23/6. 24/6. 29/6. 30/6. 4/7. 7/7. 12/7. 20/7. 25/7. 1/8. 2/8. 4/8. 8/8. 15/8. 22/8. 26/8. 9/9. 16/9. 26/9. 2/11. 7/12. 21/12. 12/1/34. 29/1. 6/2. 26/2. 20/3. 13/4. 19/4. 24/4. 1/5. 19/6. 29/6. 2/7. 5/7. 13/7. 17/7. 19/7. 25/7. 28/7. 9/8/34.

Total No. of Visits 74