

STEEL STEAMER OR MOTORSHIP.

12 AUG 1950

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YES

Date of completion of report

MAY 1950

Port of

YOKOHAMA

No.

247

Survey held at

YOKOHAMA

Date First Survey

APRIL 1950

Last Survey

12th May

19 50

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

SINGLE SCREW STEAMSHIP

"FUTU MARU" (Mchy name)

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

FULL SCANTLING

State Type of Erections

P. B. & F.

TONNAGE under Tonnage Deck

3094.47

CLASS 100A1 CONTINGENT

State if with freeboard as condition of Class

N

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

L 105

Breadth (greatest moulded)

B 15.5

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

D 8.0

1st Longitudinal Number (L x D)

840

2nd Numeral L x (B + D)

2467.5

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

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

13.13

Do. Long Bridge to top of keel

10.1

Draught Moulded

6.8 M

Built at TSUZUMI SHIPYARD YOKOHAMA (NIPPON KOKAN K.K.)

Launched APR 1949 Yard No. 651

Builders NIPPON KOKAN K.K.

Owners NIPPON YUSEN K.K.

(JAPAN OIL TANKER CO. 3 BANCHI, 1 BHOME. GOFUKU-BASHI. NIPPON BASHI. CHUO-KU TOKYO-TO JAPAN)

Managers KAWASAKI S.S. Co. (When necessary to be entered in Reg. Book)

Residence 38 BANCHI, ARASHI-CHO IKUTA-KU KOBE

Port of Registry TOKYO

If surveyed while building, afloat, or in dry dock

AFLOAT & IN DRYDOCK

REGISTERED DIMENSIONS.

FEET M

106.42

15.50

8.0

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	700	✓	Bracket Floors, Frame	180 75 9.5	✓
" " from $\frac{1}{2}$ length amidships to Collision bulkhead	700	✓	" " Reversed Frame	180 75 9.5	✓
" " in peaks	610	✓	" " Vertical Struts	75 75 9.5	✓
DE FRAMING.			Centre Girder, depth and thickness amidships	1000 12	✓
Frame Amidships, Angle, \square or \square	280 90 12	✓	" " top Angles	75 75 12	✓
" " Extends up to	UPPER BK	✓	" " bottom Angles	100 100 13	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE 9	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	900 12	✓
Depth of Framing Girder	280	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	165 12 F.B.	✓
Frames in Uppermost Continuous 'tween Decks, Angle, \square or \square	150 75 8	✓	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area	- do -	✓
" " Second 'tween Decks, Angle, \square or \square	✓		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	✓	
" " Third " " " " "	✓		" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area	✓	
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	180 75 9.5	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1700	✓
" " in Peaks, Angle or \square	200 90 10	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 1/4	✓	Breadth and thickness of Middle Line Strake	1200 12	✓
State if Frame Joggled	YES	✓	Thickness of remainder in Holds	10	✓
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.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, \square or \square	180 75 9.5	✓
Floors, Depth and thickness at mid-line in Holds	✓		" " in way of Bridge, Angle, \square or \square	90 90 10.6	✓
Height of Brackets at side above base line at toe of frame	✓		" " Spacing	180 75 9.5	✓
Middle Line Keelson, on Floors, Angles, \square or \square	✓		Second Deck, amidships, Angle, \square or \square	✓	
" " Through Plate or Inter-costal Plate	✓		Spacing	700	✓
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, \square or \square	✓	
" " Flat Plate Keel Angles	✓		Spacing	✓	
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, \square or \square	✓	
" " thickness of Inter-costal Plate	✓		Spacing	✓	
" " Angles	✓		Poop Deck, Angle, \square or \square	125 75 10	✓
DOUBLE BOTTOM.			Spacing	610	✓
Solid Floors, thickness and spacing	9 2800	✓	Bridge Deck, Angle, \square or \square	150 75 6.5	✓
" " Are Frame and Reversed Frame joggled?	YES	✓	Spacing	700	✓
Bracket Floors, breadth and thickness at middle line	900 9	✓	Forecastle Deck, Angle, \square or \square	150 90 12	✓
" " breadth and thickness at margin plate	900 9	✓	Spacing	680 610	✓

PILLARS AND DECKS.

PILLARS, No. of Rows	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
Two		
in 'tween Decks, Size and Spacing	200x12 8400 (4x5)	
" " " " "	170x12	
in Holds	300x16 11900	
" " " " "	270 14	
Centre Line Bulkhead. Stiffeners and Spacing		
Plating, thickness of		
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells	1600 20	
" " " " in way of Bridge	14	
" Angle in Wells	200 200 20	
Thickness of Plating abreast Deck openings in way of Wells	18 1/2 + 12 DOUBLER AS APP.	
Thickness of Plating abreast Deck openings in way of Bridge	6	
Thickness of Plating within line of openings	9	
If Sheathed, material and thickness	NO	
Second Deck. Stringer Plate, breadth and thickness in Wells		

SHELL PLATING.

STRAKES.	AS IN VESSEL.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.	RIVETING.
	AMIDSHIPS.	FORWARD.	APR.	
	Breadth.	Thickness.	Thickness.	Thickness.
Flat Plate Keel	1400 18	18	18	18
" Dblg. (if any)				
Bottom Plating, No. of Strakes	16 1/4	12	14	
Bilge Plating, No. of Strakes	14	16	14	
Side Plating, No. of Strakes	14	12	12	
Upper Deck, Sheer-strake in Wells	1500 x 20			
Upper Deck, Sheer-strake in Bridge	14			
Strake below Sheer-strake in Wells	18			
Strake below Sheer-strake in Bridge	14			
Poop Side Plating	9			
Bridge Side Plating	14			
Forecastle Side Plating	10			

WATERTIGHT BULKHEADS.

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

STIFFENERS.

		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks						
"	" Second "					
"	" Third "					
"	" Holds		12 7/8	250x12 1/2	650	-
COLLISION " (in Hold)		12/6	150x9 1/2	600	-	
AFTER PEAK "		12/8	125x7 1/2	600	-	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

OPEN HEARTH PROCESS

Has the Steel been tested as required by the Rules? N.K. RULES. CERTS ATTACHED.

EQUIPMENT No. 2635

LETTER W

ANCHORS.

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.
1st Bower	2717			2668	C.S. STOCKLESS	KK TOKYO CHUKKOH	AT MAKERS
2nd "	2718				"	"	"
3rd "	2719				"	"	"
Collective weight				7545	STOCK ANCHORS	"	"
Stream	772	214			ATTACHED	"	"

CHAIN CABLES.

HAWSEERS AND WARPS.

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.	Weight.
Length. Diam.	Tons. Cwts. qrs. lbs.	Supplied. Per Rule.	Length. Diam.					Length. Diam.	Tons. Cwts. qrs. lbs.		
SEE LIST	52 83 12 1/2	SEE ATT. LIST.	49 52	C.S.	OSAKA			22 3/4	36	7100	220
LIST			49 52	C.S.	SEISA			22 3/4	36	7100	220
ATTACH LIST			49 52	C.S.	SEISA			22 3/4	36	7100	220
Stream	175 175 70 25		165 3/4	C.S.	OSAKA			2 165	60	18 48	165
Wire					YOKOHAMA						

Steering Gear, Type (Power or hand)	ELECTRIC HYDRAULIC	Alternative Means of Steering	HAND GEAR
Steering Chains (Size and Test)		Windlass	STEAM
Hoisting in Holds, thickness and material	65 1/4 - BEARERS - 60 1/4	Cargo Battens, thickness, material and spacing	140 x 50 240 APART
Cargo Hatchways—(Upper Deck)	Nº 1, 2, 3, 5 EXPOSED	Thickness of Hatches	MIN 65 1/4
Size of Hatchways No. 1 (Fwd.)	6000 x 2400	No. 2	6500 x 11900
No. 3	6300 x 6500	No. 4	8400 x 6500
No. 5	9100 x 600	No. 6	
Number of Shifting Beams	5	7	3
and/or Fore and Afters			
Builder's Signature			

GENERAL 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. No

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. YES. 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).

THE SCANTLINGS AND ARRANGEMENTS INDICATED ON THE PLANS APPROVED PER SECRETARIES LETTER DATED FEB. 7. 1950 HAVE BEEN VERIFIED, AND THE RULES FOR SHIPS NOT BUILT UNDER SURVEY HAVE BEEN COMPLIED WITH. DOCUMENTARY EVIDENCE REGARDING THE QUALITY OF THE MATERIALS OF CONSTRUCTION ACCOMPANIES THIS REPORT. THE WORKMANSHIP IS NOW GOOD. THE PEAK TANKS DEEP OIL TANK (EDIBLE); DOUBLE BOTTOM TANKS THROUGHOUT, HAVE BEEN INTERNALLY EXAMINED & TESTED IN ACCORDANCE WITH RULE REQUIREMENTS AND FOUND TO BE SATISFACTORY. THE WINDLASS & STEERING GEARS HAVE BEEN TESTED & FOUND SATISFACTORY. PROVISIONAL FREEBOARDS HAVE BEEN DESIGNED, MARKED ON SHIPS SIDE & CUT IN SUBSEQUENT TO VERIFICATION. EDIBLE OIL CARGO IS TO BE CARRIED IN DEEP TANK IN Nº 4 HOLD (OR OIL) THE VESSEL UNDOCKED ON 3 MAY 1950.

FORGINGS AND CASTINGS.

	CASTING OR FORGING.	SCANTLINGS.	MAKER'S NAME.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.
KEEL, Bar				
STEM	C.S.	270 30		
STERN FRAME	Propeller Post	1250 K		
Rudder	C.S.	270 30		
Speed of Vessel	145K	270 30		
RUDDER—Type	BAL	490 K		
" A x D.	250			
" Diam. of head	220			
" Mainpiece at top pintle				
" heel	146			
" how constructed	DOUBLE PLATE			
" double or single plate coupling, vertical or horizontal	CONSTRUCTION			
	VERTICAL			

Amount of Entry Fee	170	YEN.	Fees applied for,	
Special Survey Fee	231,840		19	(Special notations, where part of class, to be stated.)
FREEBOARD	60		Received by me,	
Travelling Expenses, if any	13,100		19	
Whether the Vessel has been built under Special Survey	No		I am of opinion the Vessel should be Classed	100 A1
IN DUPLICATE			PART ELECTRICALLY WELDED	
Certificate to be sent to	YOKOHAMA OFFICE.		Signature	
Date of issue	23/11/50		Surveyor to Lloyd's Register of Shipping.	

Committee's Minute

Character assigned

100A1 Carrying oil F.P. above 150°F or Vegetable oil in tanks at sides of tunnel

7.50Kob.

5.5 Yps - 5.50

Classed F.50

White Yps (thru)

LMC 5.50 Subject

S(C) 7.50

F.D. 2 WTB 284lb. Spt.

CERTIFICATE 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.)

REINFORCEMENT OF THE STRUCTURE OF THIS VESSEL HAS BEEN EFFECTED IN ACCORDANCE WITH THE APPROVED PLANS, AND DEFECTIVE WORKMANSHIP THROUGHOUT MADE GOOD.

THE FOLLOWING DOCUMENTS ACCOMPANY THIS REPORT.

COPIES OF EQUIPMENT CERTIFICATES. (N.K. TESTS)
MATERIAL TEST CERTIFICATES.

PLANS:—

1. BULKHEADS
2. SHELL EXPANSION
3. RUDDER/ STERNFRAME
4. 16' 8"

PARTICULARS OF ELECTRIC WELDING (if employed)

TANK TOP, FRAME BRACKET/MARGIN CONNECTION, FLOOR/MARGIN CONNECTION
FLOOR/C.GIRDER CONNECTION, DECK SEAMS & BUTTS. EXCEPT STRINGER SE
FLOOR STIFFENERS ALL ELECTRICALLY WELDED.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

PART ELECTRICALLY WELDED.

D.F.

W.T.

RADAR Equipment (State if fitted)

State Type or Pattern No.

State } Maker
Name } and/or
of } Supplier.

No

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

1st Bower

2nd "

3rd "

SEE N.K. CERTIFICATES ATTACHED.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 57.30 M R.Q.D. ft., Bridge 46.20 M Forecastle 10.02

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

Official No. 63992 Signal Letters J.M.V.J. Extreme Breadth over Belting (Circ. 1611) Over-all Length 112.77 M (Circ. 1703)

No. and Material of Decks. ONE DECK WITH P.B. & F.

Parts of Bottom of Vessel coated with cement or approved composition CEMENT THROUGHOUT — TANKS CEMENT

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.	13.300	105.6 SW	Fore peak tank,	6.015	33.
Double bottom, under Engines and Boilers,	18.200	203.0 FW	After peak tank,	4.880	143.
Double bottom, if under Engines only,			Deep tank, aft,	9.100	179.
Double bottom, if under Boilers only,			Deep tank, forward,	—	—
Double bottom, forward,	39.040	464.1 SW	Other tanks, if fitted,	—	—
Total length (if continuous) and Capacity.	70.540	772.7	(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date.

Dates of Surveys
held while building



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Lloyd's Register
Foundation

Total No. of Visits