

STEEL STEAMER OR MOTORSHIP.

Received at London Office AUG 9 1937

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

15th July, 1937

Port of

Yokohama

No. 6115

Survey held at

Yokohama

Date First Survey

9th Jan'y 1937

Last Survey

8th

July, 1937

On the (State if Machinery fitted and)

Single Screw Motorship No 3.

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

Full Scantling.

State Type of Erections

Poop & Forecastle

TONNAGE under Tonnage Deck

822

CLASS $\approx 100 A1$

State if with freeboard as condition of Class

No

Built at Yokohama

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 60,000

Launched 12th December 1936 Yard No. 269

Mitsubishi Jishogyo K.K.

Builders Yokohama Dock

Total

Gross Tonnage

1049

Register Tonnage

658

Breadth (greatest moulded)

B 11,000

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

D 5,200

Owners Union Soviet Socialist Republics

Managers

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

Residence

Port of Registry

Pladivostok

If surveyed while building, afloat, or in dry dock

Building and afloat.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Feet.	Any Departure from Approved Plans to be Noted.		Feet.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	570	✓	Bracket Floors, Frame		
" " from $\frac{3}{4}$ length to Collision bulkhead	570	✓	" " Reversed Frame		
" " in peaks	570	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1000 39-34	
Frame Amidships, Angle, \angle or \square	180 75 9.5	✓	" " top Angles	75 75 9	✓
" " Extends up to	after dk.	✓	" " bottom Angles	90 90 10	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 full 2. half height 28	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	180	✓	" " Vertical Angle to Tank side		
FRAMES FORE HOLD 79-88	150 75 8	✓	" " Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous Tween Decks, Angle, \angle or \square	200 75 10	✓	" " Vertical Angle to Tank side		
" " Second Tween Decks, Angle, \angle or \square	125 90 9	✓	" " Bracket forward $\frac{1}{4}$ len. from stem		
INTER. FRAMES FORE HOLD 84-99	90 90 10	✓	" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " Third FORE PEAK	150 75 8	✓	" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
Framing in Peaks, Angle, \angle or \square	19 105	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	Yes.	✓	INNER BOTTOM PLATING, in fore hold		
State if Frame Joggled	Deep frames with 2 side stringers	✓	Breadth and thickness of Middle Line Strake	32	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Shell plating reinforced for ice strengthening	✓	Thickness of remainder in Holds	35-30	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Bottom frames 130 130 9	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & P. space and framing in Bunkers and Boiler Room?	Yes.	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Wells, Angle, \angle or \square	125 75 9	✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, \angle or \square	✓	
Middle Line Keelson, on Floors, Angles, \angle or \square	✓		Spacing	570	✓
" " Through Plate or Intercoastal Plate	✓		Second Deck, amidships, Angle, \angle or \square	✓	
" " Foundation Plate on Floors	✓		Spacing	✓	
" " Flat Plate Keel Angles	200 x 75 x 10	✓	Third Deck, amidships, Angle, \angle or \square	✓	
BOTTOM LONGITUDINALS	690 x 40	✓	Spacing	✓	
Side Keelsons, No. each side	2	✓	Fourth Deck, amidships, Angle, \angle or \square	✓	
SIDE HORIZONTAL GIRDERS UPPER thickness of Intercoastal Plate	150 x 75 x 8	✓	Spacing	✓	
" " LOWER	180 x 75 x 9.5	✓	Poop Deck, Angle, \angle or \square	125 75 9	✓
DOUBLE BOTTOM. IN FORE HOLD			Spacing	570	✓
Solid Floors, thickness and spacing	30 570	✓	BOAT		
" " Are Frame and Reversed Frame joggled?	Yes	✓	Bridge Deck, Angle, \angle or \square	125 75 9	✓
Bracket Floors, breadth and thickness at middle line	✓		Spacing	570	✓
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, \angle or \square	125 75 9	✓
			Spacing	570	✓

PILLARS AND DECKS.

	Decked & INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		Decked & INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....	<i>Pillars and girders in fore hold and engine room as approved plan</i>			✓					
" in 'tween Decks, Size and Spacing									
" " " " "									
" in Holds " "									
" " " " "									
Centre Line Bulkhead. <i>Oiltight</i>	150	75	8 1	✓					
Stiffeners and Spacing.....			570 apart	✓					
Plating, thickness of			40-30	✓					
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	1150		48	✓					
" " " " in way of Bridge									
" Angle in Wells	150	150	12	✓					
Thickness of Plating abreast Deck openings in way of Wells			32	✓					
Thickness of Plating abreast Deck openings in way of Bridge				✓					
UPPER DECK GIRDER			330-470 x .36	✓					
Thickness of Plating within line of openings...			150 x 75 x 8	✓					
If Sheathed, material and thickness				✓					
Second Deck. <i>Expansion trunk top plating beams</i>			100 x 75 x 7	✓					
Stringer Plate, breadth and thickness in Wells...									
Stringer Plate, breadth and thickness in way of Bridge									
Thickness of Plating abreast Deck openings in way of Wells									
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings...									
If Sheathed, material and thickness									
Third Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness.....									
Fourth Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness	1150		34	✓					
Plating, Sheathing, material and thickness	34		65 OP.	✓					
Boat Bridge Deck.									
Stringer Plate, breadth and thickness.....	600								
Plating, Sheathing, material and thickness ..									
Forecastle Deck.									
Stringer Plate, breadth and thickness.....			30	✓					
Plating, Sheathing, material and thickness ..			30	✓					

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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. <i>check</i>	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	1050	.60 ✓	.60	.50		Double	7/8	3 1/2 ✓	3	7/8	3 1/8 ✓	Lapped	
„ DBLG. (if any)		✓											
BOTTOM PLATING, No. of Strakes 340 ✓	.56	.40		Double	3/4	2 7/8 ✓	3-2	3/4	2 7/8 ✓	„	
BILGE PLATING, No. of Strakes 140 ✓	.56	.36 ✓		„	3/4	2 7/8 ✓	3-2	3/4	2 7/8 ✓	„	
SIDE PLATING, No. of Strakes 140 ✓	.56	.47		„	3/4	2 7/8 ✓	2	3/4	2 7/8 ✓	„	
UPPER DECK, Sheer-strake in Wells POOP FRONT	1150	.49 ✓	.36	.36		„	7/8	3 1/2 ✓	3-2	7/8	3 1/8 ✓		
UPPER DECK, Sheer-strake in Bridge ...		✓											
STRAKE BELOW Sheer-strake in Wells 1	1150	.56 ✓	.47	.47		Double	7/8	3 1/2 ✓	3	7/8	3 1/8 ✓	„	
STRAKE BELOW Sheer-strake in Bridge ...		✓											
POOP SIDE PLATING41 ✓		.28 ✓		Double Single	3/4	2 7/8 ✓	3-1	3/4	2 7/8 ✓	„	
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING				.30 ✓		Single	5/8	2 1/4 ✓	1	5/8	2 1/4 ✓	„	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— ² ③ W. T. 10 O.T. 12
Extending to Upper Deck (Sec. 3 c) all.
„ Deck next below ✓
As per Rule

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		190		
STEM	Casting	275	Chas. F. K.	cts
STERN FRAME {	Casting	90 260	Thos. R.	approved
Propeller Post	"	140 220		plans
Rudder				
Speed of Vessel	10 knots.			
RUDDER—Type				Cast steel frame arms or approved
" A x D		304		
" Diam. of head		175		
" Mainpiece at top pintle		220		
" " heel ...		190		
" how constructed	Shear	150		
" double or single plate	Double			
" coupling, vertical or horizontal	Horizontal			

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
No 47 O.T.			150 x 75 x 8	5		
MIDSHIP BULKHEAD, Upper tween decks		39-29	180 x 75 x 9.5	5	500	
CENTRE LINE B'HEAD O.T.		40-30	150 x 75 x 8	5	570	Horizontal Girders as per approved plan.
"	" Second "					
"	" Third "					
"	" Holds					
COLLISION		40-26	150 x 75 x 8	5	500	
AFTER PEAK		50-30	150 x 75 x 8	5	600	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Fuwata Steel Works, Tsunami Sedetsu Zosen K.K. Open Hearth.*

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

EQUIPMENT No. 1050				LETTER M		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.
63	1st Bower ...	117.4	1	23,660	1130	Best Steel Stockless	Oshima St. Mks.	Yokio 15.3.37 S. Sato
67	2nd „ ...	118.6	1	23,760	1130	„	„	„ 17.3.37 „
68	3rd „ ...	117.8	1	23,660	1130	„	„	„ 17.3.37 „
	Collective weight.				3390			
70	Stream	305	✓ 48	8380	305	Ordinary Stock		„ 15.3.37 „

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.			
2323	Fathoms 387	Ins. 365	Tests 37690	Tests 56.480	Cuts 11.932	Per Rule 11320	Fathoms 385	Ins. 365	Stud link	Osaka Y. Motomura	10.3.37	TOWLINE	165	83	25.6	165	83		
												HAWSERS & WARPS	165	152	152	165	152		
													165	127	127	165	127		
Iron Stream Chain or Steel Wire	110	89	27.74				110	89		Tokio Seiko Kaisha	Kawasaki 26.2.37 S. Sato.								

Steering Gear, Steam *Engine coupled direct to quadrant Efficient* Steering Gear, Hand *Norm gear efficient.*
Boats *2 lifeboats, 1 dinghy* Steering Chains, Size and Test *None* Windlass *Steam efficient*
Ceiling in Holds, thickness and material *65 mm OP on 50 mm battens* Cargo Battens, thickness, material and spacing *150 x 50 OP 230 mm apart*
Oil tight hatches to cargo holds O.T. covers *.50 to oil tanks*
Cargo Hatchways.—(Upper Deck) *W.T. for cargo hold.* Thickness of Hatches *W.T. steel covers .30 cargo hold.*
Size of No. 1 Hatchway (Forward) *420 x 3000* No. 2 — No. 3 — No. 4 — No. 5 — No. 6 —
Number of Shifting Beams *and for Fore and Afters One, as approved plan*

Builder's Signature *S. Tsune Matsumoto*

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
(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.
All cargo oil tanks, cofferdam, fuel bunkers, double bottom and peak tanks were tested to rule requirements and found satisfactory.
Weather decks have tested and found watertight.
The vessel has been built in accordance with the approved plans.
Strengthening for navigation in ice has been fitted in accordance with Section 40 of the rules.
The workmanship and materials are good.
A copy of the midship section of the vessel as built is forwarded.

The amount of Entry Fee £ 5 : 0 : 0 Fees applied for, *16-7-1937*
Freeboard 15 0 0
Special Survey Fee.... £ 202 : 6 : 4 Received by me, *20.11.1937*
Certificate Deadweight 29 3 4
Travelling Expenses, if any *Yok 20*
" " Kobe " *64.54*
State whether the Vessel has been built under Special Survey *Yes.* Signature *A. McGlashan*
Certificate to be sent to *Yokohama* Date of issue *5/10/37* Surveyor to Lloyd's Register of Shipping.

Committee's Minute
Character assigned

TUE. 17 AUG 1937
+ 100 A1
Carrying petroleum in bulk
Strengthened for navigation in ice

Lloyd's accp.
O.L.

+ Lmb. 7.37

D.B. 121 A

oil by G.L.

note D.B.

Note 2/4



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Lloyd's Register
Foundation

W1334-0066 3/2

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.)

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

Carrying petroleum in bulk, strengthened for navigation in ice.

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

1st Bower	735	kg	S.S.	63	11.3.37
2nd "	736	"	S.S.	67	"
3rd "	730	"	S.S.	68	"
Stream	305	"	S.S.	70	2.3.37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ^{metres} 22.800 ft., R.Q.D. — ft., Bridge — ft., Forecastle ^{metres} 7.560 ft., 24.8

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

No. and Material of Decks

One deck steel.

Official No.

Signal Letters

Is bottom of vessel coated with cement

Fore and after peaks and if not give
tunnel well cemented. ✓

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	5.7	25.42	Fore peak tank,	5.280	22 1/2
Double bottom, under Engines and Boilers,	37.4	30.50	After peak tank,	3.420	53
Double bottom, if under Engines only,	5.7	55.92	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	10.260	47 1/2 ✓	Other tanks, if fitted,		
	83.71		(If necessary, furnish further information by sketch.)		
	10,260				

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 38.

Date 9th Dec 1935

Dates of Surveys held while building

9/1/37, 25/1, 3/2, 9/2, 16/2, 19/2, 24/2, 3/3, 10/3, 15/3, 18/3, 22/3, 23/3, 26/3, 29/3, 31/3
1/4, 5/4, 6/4, 9/4, 12/4, 17/4, 19/5, 21/5, 1/6, 15/6, 16/6, 8/7/37.

Total No. of Visits

28.