

STEEL STEAMER or MOTORSHIP.

Received at London Office 1 NOV 1937

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

Date of completion of report *24th September 1937* Port of *Yokohama* No. *6190*
Survey held at *Uraga* Date First Survey *23rd March 1936* Last Survey *27th August 1937*
On the *Steel Single Screw Hopper Barge "KAMTCHATSKAYA"* Machinery *off*
State Type *Full Scantling* State Type of Erections *Forecastle*

TONNAGE under
Tonnage Deck... *664*CLASS *100A1*State if with freeboard
as condition of Class *CP*Built at *Uraga*Do of space or spaces
between Tonnage Dk.
and Upper Dk.Length overall *60.812*Length from fore part of stem to after part of stern
most on summer L.W.L. See Sec. 3 (1a) *L 58.000*

Breadth

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 3.800*Launched *12 Dec. 1936* Yard No. *406*Builders *Uraga Dock Co. Ltd.*Owners *Union Soviet Socialist Republics*Total *664*Gross Tonnage *764*Register Tonnage *291*1st Longitudinal Number (L x D) = *220*Managers
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) = *858*

Residence

REGISTERED DIMENSIONS.
FEET.Length *✓*Breadth *✓*Depth *✓*Framing Depth "d," at middle of length. See
Sec. 3 (1d) *3.32*Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel *15.26*Do. Long Bridge to top
of keelDraught Moulded *3.067*Port of Registry *Pladivostok*

If surveyed while building, afloat, or in dry dock

Building, afloat & in dry dock.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Sketches INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		Sketches INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	610	✓	Bracket Floors, Frame	—	
" " from $\frac{3}{8}$ length to Collision bulkhead	610	✓	" " Reversed Frame	—	
" " in peaks	560	✓	" " Vertical Struts	—	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	750 11.5	✓
Frame Amidships, Angle, <i>XX</i>	125 75 7	✓ <i>drawn</i>	" " top Angles	75 75 12	✓
" " Extends up to	<i>Upper deck</i>	✓ <i>plan</i>	" " bottom Angles	75 75 9	✓
Reversed Frame Amidships, Angle	—		Side Girders, No. each side and thickness <i>One</i>	9.5 - 7	✓
" " Extends up to	—		Margin Plate depth (excl. of flange) and thickness	750 7.5	✓
Depth of Framing Girder	—		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	75 75 9	✓
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E</i> or <i>F</i>	—		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	✓	
" " Second 'tween Decks, Angle, <i>E</i> or <i>F</i>	—		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	✓	
" " Third " " "	—		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	✓	
Framing in Peaks, Angle <i>XX</i>	100 75 10	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	900 7.5	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	19 135	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes</i>	✓	Breadth and thickness of Middle Line Strake	11 in boiler plate 7.5 welded with seams	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Panting Stringer</i> <i>cts</i> 614 8.5 <i>approved</i> <i>Beams</i> 150 90 9 <i>plan</i>		Thickness of remainder in Holds	—	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	<i>Bottom angles</i> <i>Additional</i> 130 130 9 <i>side</i> <i>Bottom plating 10.5 from keelson</i> <i>1/2 length to ft. 90</i>		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?	<i>Yes</i>	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in FORE Hold	485 9	✓	Uppermost Continuous Deck, amidships in Wells, Angle, <i>E</i> or <i>F</i>	380 9 F. 65	✓
Height of Brackets at side above base line at toe of frame	970	✓	" " in way of Bridge, Angle, <i>E</i> or <i>F</i>	610 9 F. 75 at bulkheads hopper beams	✓
Middle Line Keelson, on Floors, Angles, <i>E</i> or <i>F</i>	100 75 10	✓	" " DECK IN WAY OF BUNKER	610	✓
" " Through Plate or Intercostal Plate	560 9.5 - 8.5	✓	Second Deck, amidships, Angle, <i>E</i> or <i>F</i>	150 90 12	✓
" " Foundation Plates on Floors	300 9.5 - 8.5	✓	" " DECK IN ENGINE SPACE	150 90 9	✓
" " Flat Plate Keel Angles	90 90 10	✓	Spacing	610	✓
Side Keelsons, No. each side	3	✓	Third Deck, amidships, Angle, <i>E</i> or <i>F</i>	✓	
" " thickness of Intercostal Plate	7.5	✓	Spacing	✓	
" " Angles	125 90 7	✓	Fourth Deck, amidships, Angle, <i>E</i> or <i>F</i>	—	
DOUBLE BOTTOM.			Spacing	—	
Solid Floors, thickness and spacing	<i>FRS. 28-36</i> 9.5 - 7 every frame	✓	Poop Deck, Angle, <i>E</i> or <i>F</i>	✓	
" " Are Frame and Reversed Frame joggled?	<i>Frame yes</i> <i>Reversed CP</i>	✓	Spacing	✓	
Bracket Floors, breadth and thickness at middle line	—		Bridge Deck, Angle, <i>E</i> or <i>F</i>	—	
" " breadth and thickness at margin plate	—		Spacing	—	
			Forecastle Deck, Angle, <i>E</i> or <i>F</i>	150 90 12	✓
			Spacing	1120	✓

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.
IN FORE HOLD									
PILLARS	No. of Rows.....	2	70	✓	Stringer Plate, breadth and thickness in way of Bridge	✓			
	in 'tween Decks, Size and Spacing	2 girders	Plak 300x10	✓	Thickness of Plating abreast Deck openings in way of Wells	✓			
	" " " " " "		S.A. 150x90x12	✓	Thickness of Plating abreast Deck openings in way of Bridge	✓			
	in Holds " " " "				Thickness of Plating within line of openings...	✓			
	" " " " " "				If Sheathed, material and thickness	✓			
Centre Line Bulkhead.									
	Stiffeners and Spacing.....		✓		Third Deck.				
	Plating, thickness of		✓		Stringer Plate, breadth and thickness.....	✓			
					If Plated, state thickness.....	✓			
STRINGERS AND DECKS.									
	Uppermost Continuous Deck. MUD HOLE				Fourth Deck.				
	Stringer Plate, breadth and thickness in Wells	1400	15	✓	Stringer Plate, breadth and thickness.....	✓			
	" " " " in way of Bridge				If Plated, state thickness	✓			
	" Angle in Wells MUD HOLE	150	150 15	✓	Poop Deck.				
	Thickness of Plating abreast Deck openings in way of Wells		6.5	✓	Stringer Plate, breadth and thickness	✓			
	Thickness of Plating abreast Deck openings in way of Bridge		✓		Plating, Sheathing, material and thickness ..	✓			
	Thickness of Plating within line of openings...		6.5	✓	Bridge Deck.				
	If Sheathed, material and thickness		✓		Stringer Plate, breadth and thickness.....	✓			
	Second Deck. PLATFORM FR 66-86				Plating, Sheathing, material and thickness ..	✓			
	Stringer Plate, breadth and thickness in Wells...	1040	8.5	✓	Forecastle Deck.				
					Stringer Plate, breadth and thickness.....	455	7	✓	
					Plating, Sheathing, material and thickness ..	75	0.P.	✓	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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. m. m.	Inches. m. m.	Inches. m. m.	Inches. m. m.	Inches. m. m.	Inches. m. m.	Inches. m. m.							
FLAT PLATE KEEL	990	11.5	10.5	10.5	✓	Double	19	45	3	19	65	Lapped	
„ DBLG. (if any)													
BOTTOM PLATING, No. } of Strakes3..}		9.5	10.5	9.5	✓	Single Double forward	19	75	2	19	65	✓	
BILGE PLATING, No. of } Strakes1..}		9.5	8.5	9	✓	Single	19	75	2	19	65	✓	
SIDE PLATING, No. of } Strakes1..}		9.5	8	8	✓	Single	19	75	2	19	65	✓	
UPPER DECK, Sheer- } strake in Wells.....}	1500	16.5	8	8	✓	Single	22	90	4	22	90	✓	
UPPER DECK, Sheer- } strake in Bridge ...}													
STRAKE BELOW Sheer- } strake in Wells.....}													
STRAKE BELOW Sheer- } strake in Bridge ...}													
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING			7		✓	Single	16	65		16	55		

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c)

" Deck next below

As per Rule

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.		Spacing.		Scantlings.		Spacing.	
		Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
No 36									
MIDSHIP BULKHEAD, Upper tween decks	9-7.5	150x75x9/16	600		✓				
" " Second "									
" " Third "									
" " Holds									
COLLISION " (in Hold)	10-4.5	150x70x6/16	610		✓				
AFTER PEAK " "	10-4.5	150x90x9	610		✓				

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Flat plate			
STEM	Forging	160x35	✓	
STERN FRAME	Propeller Post	Castings	175	Uraga
	Rudder "	Castings	260x7	Doel
Speed of Vessel	9 knots		✓	
RUDDER—Type	Shearline			
" A x D	Semi balanced type			
" Diam. of head	Forging	110	✓	Uraga
" Mainpiece at top pintle	Castings as approved plan			
" " heel ...	"	"		✓
" how constructed	Stiffened by web plates			
" double or single plate	Double	8	✓	
" coupling, vertical or horizontal	Vertical			

STEEL.

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

Yewata Steel Works.

Open hearth.

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.)

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

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

1st Bower	11.2.8	1296	TM	12.3.37
2nd "	12.1.18	1251	"	"
3rd "	11.2.13	1298	"	"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 6447 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated 21'

No. and Material of Decks

One deck Steel

Official No.

; Signal Letters

Is bottom of vessel coated with cement

Yes, ✓

if not give

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, FEED TANKS	4,880	15.74 ✓	Fore peak tank,	4,000	27
Double bottom, under Engines and Boilers,	16'		After peak tank,	2,800	33
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 40

Date

26.12.35

Dates of Surveys held while building

23/3/1936, 24/7, 3/8, 5/9, 9/9, 16/9, 1/10, 28/10, 5/11, 14/11, 24/12, 7/12, 8/12, 23/2/1937, 8/3, 28/4, 4/6, 6/6, 30/6, 26/7, 4/8, 25/8, 27/8/1937

Total No. of Visits 23

Lloyd's Register
Foundation