

STEEL STEAMER or MOTORSHIP.

Received at London Office 23 OCT 1930

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 *17th September 1930* Port of *Yokohama*No. *4588*Survey held at *Yokohama*Date First Survey *9th Oct. 1929*Last Survey *17th September 1930*On the *(State if Machinery fitted Aft and if Single, Twin or Triple Screw)*

TWIN SCREW MOTOR VESSEL "KWANTO MARU."

State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)**Intermediate between full scantling & complete superstructure*State Type of Erections *Pile & bridge.*

TONNAGE under Tonnage Deck...

*7970.76*CLASS *100 A1*State if with freeboard as condition of Class *Yes*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 460'-0"*Breadth (greatest moulded) *B 61'-6"*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 39'-9"*1st Longitudinal Number (L x D) *= 18,285*2nd Numeral L x (B + D) *= 46,575*Framing Depth "d," at middle of length. See Sec. 3 (1d) *11.57*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.57*Do. Long Bridge to top of keel *28'-0"*Draught Moulded *28'-0"*Launched *28th April 1930* Yard No. *179*Builders *Yokohama Dock Co. Ltd.*Owners *Kishimoto Kisen Kabushiki Kaisha*

Managers

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

Residence

Port of Registry *Fukuoka*

If surveyed while building, afloat, or in dry dock

Building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP. # M.M.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. # M.M.	Any Departure from Approved Plans to be Noted.
IES, Spacing amidships	33		Bracket Floors, Frame	180 90 91	
" from $\frac{3}{4}$ length to Collision bulkhead	27		" " Reversed Frame	150 75 9.5	
" in peaks	24		" " Vertical Struts	12.32 x 32 x 42	
FRAMING.			Centre Girder, depth and thickness amidships	47 .62	
ume Amidships, Angle, \angle or \square	280 90 12	amidships	" " top Angles	90 90 14	
" " Extends up to	3rd dk.	WT	" " bottom Angles	130 130 17	
versed Frame Amidships, Angle			Side Girders, No. each side and thickness	2 .44	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	46 .56	
pth of Framing Girder	angle		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	130 130 13	
ames in Uppermost Continuous 'tween Decks, Angle, \angle or \square	150 90 107	alternately	" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	130 130 13	
" " Second 'tween Decks, Angle, \angle or \square	230 90 11		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	CONTINUOUS	
" " Third " " " "			" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	CONTINUOUS	
aming in Peaks, Angle or \square	230 90 11		Tank Side Brackets, height above base line at toe of Frame and thickness	75.2 50	
ameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5/4		INNER BOTTOM PLATING.		
ate if Frame Joggled	Yes.		Breadth and thickness of Middle Line Strake	56 .56	
TING ARRANGEMENTS (Sec. 7), state system and particulars	as approved plan		Thickness of remainder in Holds	48 .42	
ENGTHENING OF BOTTOM FORWARD. State Particulars	Bottom frames		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	
GLE BOTTOM.			BEAMS.		
oors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, \angle or \square	230 90 11	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, \angle or \square	8 x 32 x 32 x 425	
iddle Line Keelson, on Floors, Angles, \square or \angle			Spacing	33	
" " " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, \angle or \square	220 x 90 x 90 x 11	
" " " Foundation Plate on Floors			Spacing	33	
" " " Flat Plate Keel Angles			Third Deck, amidships, Angle, \angle or \square	220 x 90 x 90 x 11.5	
ide Keelsons, No. each side			Spacing	33	
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, \angle or \square		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, \angle or \square		
Solid Floors, thickness and spacing	44		Spacing		
" " Are Frame and Reversed Frame joggled?	Reverse No Bottom Yes		Bridge Deck, Angle, \angle or \square	150 75 9	
Bracket Floors, breadth and thickness at middle line	36 .44		Spacing	33	
" " breadth and thickness at margin plate	36 .44		Forecastle Deck, Angle, \angle or \square	230 90 11	
			Spacing	27 x 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.....			Stringer Plate, breadth and thickness in way of Bridge	51 .48	
" in 'tween Decks, Size and Spacing.....	<i>Wide spaced pillars</i>		Thickness of Plating abreast Deck openings in way of Wells		
" " " " " "	<i>girders as per approved plan</i>		Thickness of Plating abreast Deck openings in way of Bridge .....	.46	
" in Holds " "			Thickness of Plating within line of openings...		
" " " " " "			If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....	58 .36	
Plating, thickness of			If Plated, state thickness.....	.36	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells			If Plated, state thickness		
" " " " in way of Bridge	65 .80		Poop Deck.		
" Angle in Wells	150 150 .22		Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells			Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Bridge .....	.62		Bridge Deck.		
Thickness of Plating within line of openings...			Stringer Plate, breadth and thickness.....	60 .30	
IN WAY OF BRIDGE			Plating, Sheathing, material and thickness ...	.26 & 2 1/2 TEAK	
X Sheathed, material and thickness	2 1/2 TEAK		Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	36 .38	
Stringer Plate, breadth and thickness in Wells...			Plating, Sheathing, material and thickness ...	.36	

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>No</i>		No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	55	.88	.78	.82		DOUBLE	1	4	4	1	4 LAPPED
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes	47 1/4	.68	.68	.68		DOUBLE	7/8	3 1/2	4 - 3	7/8	3 1/2
BILGE PLATING, No. of Strakes	72	.68	.52	.64		"	7/8	3 1/2	4 - 3	7/8	3 1/2
SIDE PLATING, No. of Strakes	44	.68	.52	.52		"	7/8	3 1/2	3	7/8	3 1/2
Upper Deck, Sheer-strake in Wells.....	48	.68	.52	.52							
UPPER DECK, Sheer-strake in Bridge ...	52	.80	.50	.50		"	1	4	4 - 3	1	4
STRAKE BELOW Sheer-strake in Wells.....	6 1/4	.72	.50	.50		"	7/8	3 1/2	4 - 3	7/8	3 1/2
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING											
BRIDGE SIDE PLATING ...		OPEN									
FORECASTLE SIDE PLATING			.44			SINGLE	3/4	3	1	3/4	2 1/8

WATERTIGHT BULKHEADS.

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

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	.30	L	150.75.9	28					
" " Second "	.32	.30	230.90.11	28					
" " Third "									
" " Holds .....	.44	.34	280.90.135	28					
COLLISION " (in Hold) .....	.54	.34	230.90.11	24					
AFTER PEAK " " .....	.50	.34	200.75.11.5	24					

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	UPPER PART CASTING	AS APPR. PLAN	SUMITOMO	STEEL WKS
STEM	LOWER " ROLLED STEEL	10 3/4 x 2 3/4		
STERN FRAME { Propeller Post	CASTING	AS APPR. PLAN	KOBE STEEL	WORKS
Rudder "	- DITTO -	2 1/2 x 18	- DITTO -	
RUDDER—A x D.....		897.8		
Speed of Vessel.....		14 3/4 KNOTS.		
RUDDER mainpiece at head ...	CASTING	3 1/2 x 15.71	DITTO	AS APPROVED PLAN
" " heel ...	DITTO	2 1/2 x 15.71	DITTO	
" how constructed		CAST IN ONE PIECE		
" double or single plate		DOUBLE .52		
" 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)

Peregrine Stahlwerke A.G. Butchoffnungshütte AG Rippin Kohlen Kasse

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

Lloyd's Register Foundation

EQUIPMENT No. 47,569.										LETTER dt				ANCHORS.			
Number of Certificate.	* 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.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.					
2169	1st Bower ...	82	2	8				60	0	0	0		Stockless	Oth. Brown	Dusseldorf 25/2/30 K. HABSS		
2170	2nd „ ...	82	2	8				60	0	0	0		"	"	"		
2171	3rd „ ...	82	0	20				60	0	0	0		"	"	"		
	Collective weight.	247	1	8								232					
2176	Stream	23	1	16	6	0	12	23	10	0	0	232	Ordinary Stock.	"	"		

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.	
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
1702	304	2 7/8	116 1/2	163 3/8	1063.3.10		989		300	2 3/8	STUD LINK	OSAKA CHAIN WORKS	20/3/30 OSAKA 25/4/30 3/5/30	TOWLINE	130	5 1/2	90.17	130	5 1/2
														HAWSERS & WARPS	100	8	24.6	100	8
														"	-do-	-do-	24.06	-do-	-do-
														"	-do-	-do-	27.1	-do-	-do-
														"	-do-	-do-	26.75	-do-	-do-
120	120	4 3/4		73.16					120	4 3/4	6 7/8	TOKIO SEIKO KAISHA.	KAWASAKI 27/6/30 U.F. NICHOLAS						

Steering Gear, Steam *Electric hydraulic* Steering Gear, Hand *Efficient*

Boats *2 lifeboats, 2 dinghys* Steering Chains, Size and Test *Telemotor gear* Windlass *Electric efficient.*

Ceiling in Holds, thickness and material *2 1/2 O.P.* Cargo Battens, thickness, material and spacing *6 x 2 O.P. 7" APART.*

Cargo Hatchways.—(Upper Deck) *COAMING 30' x .44* Thickness of Hatches *3" O.P.*

Size of No. 1 Hatchway (Forward) *27'0" x 18'0"* No. 2 *35'9" x 20'0"* No. 3 *30'3" x 20'0"* No. 4 *24'9" x 20'0"* No. 5 *33'0" x 20'0"* No. 6 *27'6" x 18'0"*

Number of Shifting Beams and/or Fore and Afters *13 x 5, hatchways 5 beams, No. 2 hatchway 6 beams, No. 4 & 6 hatchways 4 beams.*

Builder's Signature *S. Tencate.*

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 and tunnel tank have been fitted to carry oil fuel with flash point above 150° F. Cargo oil tanks have been fitted in No 4 hold, for particulars see overleaf.

The vessel has been built in accordance with the approved plans.

The materials and workmanship are good.

All weather decks watertight doors and bulkheads and tunnels 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 certificates are enclosed.

Wireless fitted.

The amount of Entry Fee *Yes 110* : Fees applied for, *16/9/1930*

Special Survey Fee... *62.25* : Received by me, *29.10.1930*

Freeboard " *210* :

Travelling Expenses, if any " *182* :

I am of opinion the Vessel should be Classed *+100A1 with freebd.*

State whether the Vessel has been built under Special Survey *Yes* Signature *C. J. McShane*

Certificate to be sent to *Hull Sheet Yokohama* Date of issue *21/11/30* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 31 OCT 1930*

Character assigned *+100A1 with freeboard*

Lloyd's A & C.P. *+ L.M.C. 9.30*

Write Dr. *Oil Eng. Dr. B. 100lb. C.L.*

B. 100lb.

Oil Eng. Dr. B. 100lb. C.L.

Oil Eng. Dr. B. 100lb. C.L.



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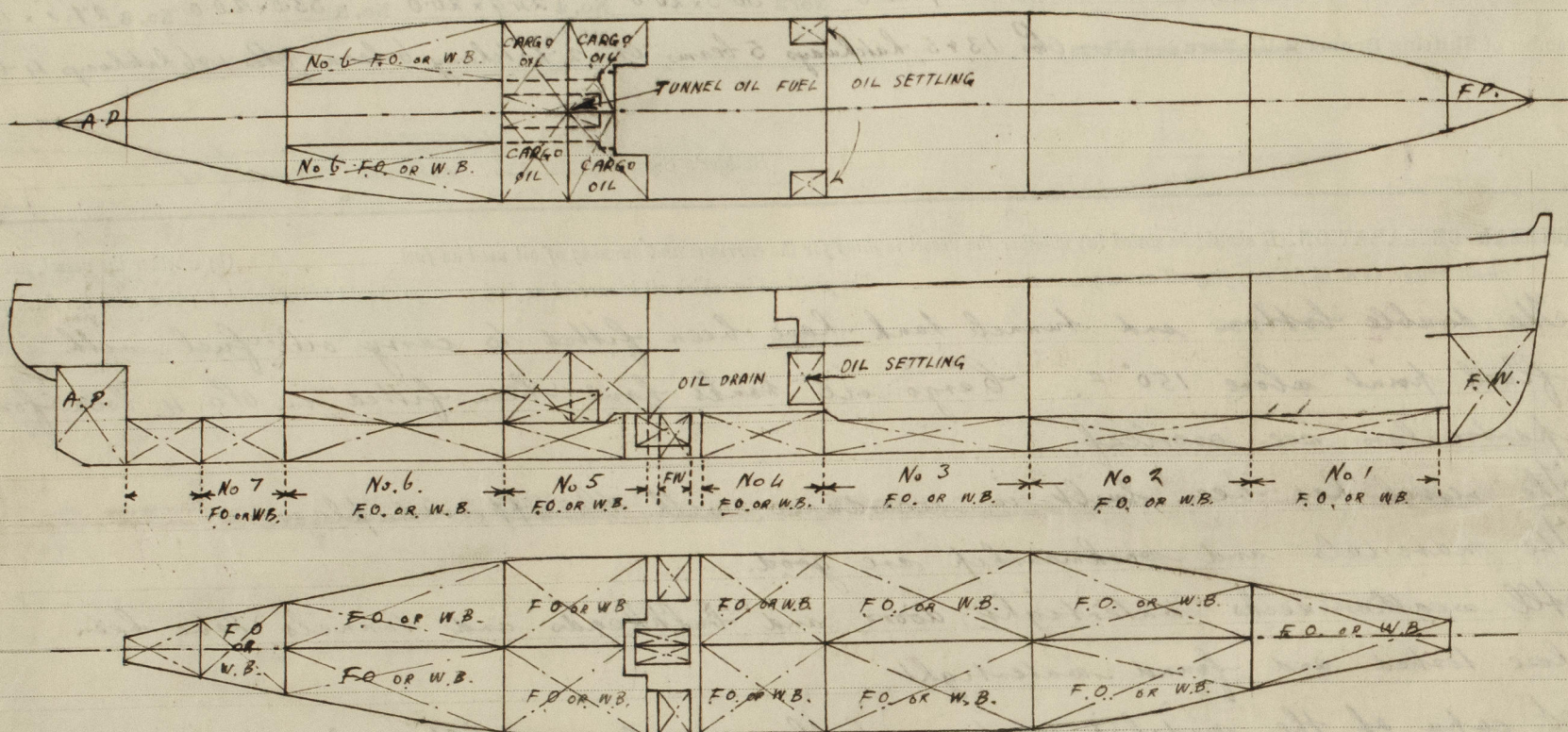
Lloyd's Register Foundation

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.)

FUEL OIL OR WATER BALLAST			FUEL OIL			FRESH WATER		
38 C.F. PER TON	LENGTH	TONS	38 C.F. PER TON	LENGTH	TONS	36 C.F. PER TONS	LENGTH	TONS
No 1 D.B.	58.5'	82.21	OIL DRAIN	13.45	8.48	D.B. FRESH WATER	8.25	34.12
" 2 "	69.5'	265.58	OIL SETTLING	8.25	34.74	FORE PEAK	24.00	87.86
" 3 "	63.25'	336.48	TUNNEL FUEL OIL	30.25	71.74	AFTER PEAK	18.00	86.44
" 4 "	44.0'	318.26	CARGO OIL			Sunk in way of tunnel		
" 5 "	44.0'	231.00						
" 6 "	71.5'	578.32	FORE CARGO OIL TANK					
" 7 "	24.45'	40.45						

378.5' 1852 30.1
13.95 9
389.25 34
1895.30
578
1317

D.T.S.A.



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

1st Bower	54 - 0 - 16	K.H.	2169	13/2/30
2nd "	53 - 3 - 6	K.H.	2170	"
3rd "	53 - 2 - 3	K.H.	2171	"
STREAM	21 - 3 - 12	K.H.	2176	3/3/30

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge 79.9 ft., Forecastle 36 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) 3 dks steel. (See Plans)

Official No. 36105 ; Signal Letters V.G.T.M.

Is bottom of Vessel coated with cement if not give

particulars of composition R.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
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.

Order for Special Survey No. 15

Date 14-5-29

Dates of Surveys held while building

9/10, 11/10, 23/10, 24/10, 25/10, 28/10, 1/11, 5/11, 15/11, 27/11, 26/11, 28/11, 3/12, 6/12, 9/12, 12/12, 16/12, 21/12/29, 9/1, 14/1, 16/1, 17/1, 21/1, 27/1, 24/1, 29/1, 31/1, 4/2, 5/2, 6/2, 14/2, 17/2, 29/2, 21/2, 25/2, 5/3, 7/3, 11/3, 12/3, 14/3, 18/3, 29/3, 27/3, 25/3, 27/3, 28/3, 1/4, 7/4, 8/4, 11/4, 16/4, 18/4, 21/4, 26/4, 28/4, 9/5, 19/5, 20/5, 17/6, 24/6, 27/7, 28/7, 6/8, 8/8, 12/8, 15/8, 18/8, 21/8, 22/8, 23/8, 29/8, 10/9, 12/9, 16/9, 17/9/30.

Total No. of Visits 76.