

STEEL STEAMER or MOTORSHIP.

Received at London Office.....

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 *29th October 1924*Port of *Rotterdam*No. *16931*Survey held at *Rotterdam*Date First Survey *23/3. 1926*Last Survey *28/10*

1924.

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

Single Screw Motor vessel "KOTA INTEN"

(Machinery amidships)

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

*Full scantling*State Type of Erections *Pop. Bridge*TONNAGE under Tonnage Deck... *4707.41*CLASS *4100 A1*State if with freeboard as condition of Class *no*Built at *Rotterdam*Do. of space or spaces between Tonnage Dk. and Upper Dk. *1817.37*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 448'-4"*Launched *14th May 1924* Yard No. *306*Total *6524.78*Breadth (greatest moulded) *B 60'-6"*Builders *Maas. van Scheep- & Werkingbouw "Tijmen"*Gross Tonnage *7190.84*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 33'-6"*Owners *Stoom. Maas. Rotterdamse Lloyd*Register Tonnage *4549.83*1st Longitudinal Number (L x D) = *15019*

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

2nd Numeral L x (B + D) = *42143*Residence *Rotterdam*

REGISTERED DIMENSIONS.

FEET.

Length *449.6*Framing Depth "d," at middle of length. See Sec. 3 (1d) *13'-9"*Port of Registry *Rotterdam*Breadth *60.8*Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.4*

If surveyed while building, afloat, or in dry dock

*29.67*Do. Long Bridge to top of keel *10.9*Draught Moulded *26'-5 1/2"**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.
ES, Spacing amidships	30"				Bracket Floors, Frame	90	90	11 1/2	
" from 1/2 length to Collision bulkhead	24"				" " Reversed Frame	90	90	11 1/2	
" in peaks	F.P. 23" A.P. 24"				" " Vertical Struts				
FRAMING.					Centre Girder, depth and thickness amidships	45 1/2	14 1/2		
me Amidships, Angle, <i>E or C</i>	240	90	12		" " top Angles	90	90	13 1/2	
" Extends up to <i>th. as on plan</i>					" " bottom Angles	110	110	15	
ersed Frame Amidships, Angle					Side Girders, No. each side and thickness	0.02	11		
" Extends up to					Margin Plate depth (excl. of flange) and thickness	43	13 1/2		
th of Framing Girder					" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	90	90	11 1/2	
mes in Uppermost Continuous 'tween Decks, Angle, <i>E or C</i>	200	85	12		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	180	130	11 1/2	
" Second 'tween Decks, Angle, <i>E or C</i>	200	85	12		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>alternating frame 22 x 21 x 10 1/2 x 7/8</i>			
" Third " " "					" " Gussets, spacing and scantling forward 1/2 len. from stem	<i>every frame 69 1/2 x 11 1/2 x 7/8</i>			
ming in Peaks, Angle, <i>E or C</i>	200	85	11 1/2		Tank Side Brackets, height above base line at toe of Frame and thickness	69 1/2	11 1/2	7/8	
meter and Spacing of Rivets through Frame and Shell Plating amidships <i>In. deep. Tanks on both sides</i>	7/8 x 6 1/2				INNER BOTTOM PLATING.				
te if Frame Joggled	<i>No. Plating</i>				Breadth and thickness of Middle Line Strake	66	13		
ING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Increased L frames in connection with stringers.</i>				Thickness of remainder in Holds		13 1/2 x 7/8		
NGTHENING OF BOTTOM FORWARD. State Particulars	<i>Flower every frame double riveted frame. In connection with approved.</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 see special plan motor space</i>			
LE BOTTOM.					BEAMS.				
ors, Depth and thickness at mid-line in Holds					Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or C</i>	230	90	12 1/2	
Height of Brackets at side above base line at toe of frame					" " in way of Bridge, Angle, <i>E or C</i>	180	15	10	
iddle Line Keelson, on Floors, Angles, <i>E or C</i>					Spacing		30		
" " Through Plate or Intercostal Plate					Second Deck, amidships, Angle, <i>E or C</i>	230	90	13	
" " Foundation Plate on Floors					Spacing		30		
" " Flat Plate Keel Angles					Third Deck, amidships, Angle, <i>E or C</i>	240	90	13	
e Keelsons, No. each side					Spacing		30		
" thickness of Intercostal Plate					Fourth Deck, amidships, Angle, <i>E or C</i>				
" Angles					Spacing				
BLE BOTTOM.					Poop Deck, Angle, <i>E or C</i>	240	90	13	
id Floors, thickness and spacing					Spacing		60" L x 48"		
" Are Frame and Reversed Frame joggled?	<i>No</i>				Bridge Deck, Angle, <i>E or C</i>	220	85	10 1/2	
Bracket Floors, breadth and thickness at middle line	<i>all solid</i>				Spacing		30		
" breadth and thickness at margin plate	<i>flange</i>				Forecastle Deck, Angle, <i>E or C</i>	200	15	11	
					Spacing	180	15	11	

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.....	Four widely spaced with girders and as per plan.			Stringer Plate, breadth and thickness in way of Bridge	52"	10 1/2"	
Upper in 'tween Decks, Size and Spacing.....	4 1/2" x 0.5 1/4" solid			Thickness of Plating abreast Deck openings in way of Wells		10	
Second. " " " "	13" x 13 1/2" x 6" to 6 1/2" solid			Thickness of Plating abreast Deck openings in way of Bridge		10	
" in Holds " " "	15" x 15 1/2" x 4" to 18" x 15 1/2" x 4"			Thickness of Plating within line of openings...	10-8 1/2"-8		
Pillar under Poop Bridge spacing and further size as approved.				If Sheathed, material and thickness	No.		
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....	In deep tanks as approved.			Stringer Plate, breadth and thickness.....	67	8 1/2"	
Plating, thickness of	In No. 2. Plate 1/2" L 150 x 75 x 8 1/2" and 180 x 75 x 10 1/2"			If Plated, state thickness.....		4 1/2"	
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....	4		
Stringer Plate, breadth and thickness in Wells	62	24 1/2"		If Plated, state thickness			
" " " " in way of Bridge	"	11		Poop Deck.			
" Angle in Wells	180 x 180 x 23 1/2"			Stringer Plate, breadth and thickness	34"	9	
Thickness of Plating abreast Deck openings in way of Wells		15 1/2"		Plating, Sheathing, material and thickness	Part. Plated.	8 1/2" 3"	
Thickness of Plating abreast Deck openings in way of Bridge		10		Bridge Deck.			
Thickness of Plating within line of openings...		11 1/2" to 11"		Stringer Plate, breadth and thickness.....	62	13 1/2"	
If Sheathed, material and thickness	Peak.	2 1/4"		Plating, Sheathing, material and thickness	130 130	13 1/2" 11 1/2"	
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	52"	10 1/2"		Stringer Plate, breadth and thickness.....	35	9 1/4"	9
				Plating, Sheathing, material and thickness	9 1/2" 1/2"	Peak.	2"

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>Yes</i>	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.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	52	22	19	19		Double	6" ³ / ₈ <u>1 1</u> / ₂		four	1	4	Strapped	
„ DELG. (if any) ✓													
BOTTOM PLATING, No. of Strakes 4.....}	42	18	12 ¹ / ₂	12 ¹ / ₂		"	7/8	3 ³ / ₄	"	7/8	3 ¹ / ₂	Lapped	
BILGE PLATING, No. of Strakes 2.....}	42	14	12 ¹ / ₂	12 ¹ / ₂		"	"	"	"	"	3 ¹ / ₂	"	
SIDE PLATING, No. of Strakes 3.....}	42	16 ¹ / ₂	11 ¹ / ₂	11 ¹ / ₂		"	"	"	"	"	3 ¹ / ₂	"	
UPPER DECK, Sheer- strake in Wells.....}	65	24	13	11 ¹ / ₂		"	6" ³ / ₈ <u>1 1</u> / ₂		five	1 ¹ / ₈	5	"	
UPPER DECK, Sheer- strake in Bridge ...}	65	16 ¹ / ₂				"	7/8	3 ³ / ₄	three	7/8	3 ¹ / ₂	"	
STRAKE BELOW Sheer- strake in Wells.....}	65	20	11 ¹ / ₂	11 ¹ / ₂		"	"	"	four	1	4	"	
STRAKE BELOW Sheer- strake in Bridge ...}	65	16 ¹ / ₂				"	"	"	three	7/8	3 ¹ / ₂	"	
POOP SIDE PLATING		10				Single	3/4	3.	Double	3/4	2 5/8	"	
BRIDGE SIDE PLATING ...		16				Double	7/8	3 ¹ / ₂	four	7/8	3 ¹ / ₂	"	
FOREC'TLE SIDE PLATING		10 ¹ / ₂				Single	3/4	3.	Double	3/4	2 5/8	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c).....	7
" Deck next below	8 One deep tank off
As per Rule	In total 8 as approved on plan.

	Plating Thickness.	STIFFENERS.	
		VERTICAL.	HORIZONTAL.
		Scantlings, Spacing.	Scantlings, Spacing.
MIDSHIP BULKH'D , Upper tween decks	6 1/2" to 7	L 120 x 75 x 9 1/2 x 32 and 24	
" " Second " "	8 1/2" L 150 x 75 x 10	32 1/2" apart	
" " Third " "	8 1/2" L 180 x 75 x 9 1/2	24" apart	
" " Holds	13 11 1/2" to 10-9	L 200 x 90 x 11 - 32" apart	
COLLISION " (in Hold)	13 1/2" x 10 x 9 1/2 - 8 1/2" turn dk.	L 150 x 75 x 8 1/2 x 24	
AFTER PEAK " and	four deep tank bulk in accordance with special approved plan.		

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Cast	Keel plate		
STEM	Cast	266 x 66		
STERN FRAME { Propeller Post	Cast	540 x 216	P. Schifano of Albion	
{ See for sections approved plan.				
{ Rudder "	Cast	See plan		
RUDDER—A x D	See plan			
Speed of Vessel	In accordance plan			
RUDDER mainpiece at head ...	Cast	270 1/2"		
" " heel ...	See plan			Three Certificates on Stem frame and Rudder enclosed
" how constructed	of plate and			
" double or single plate coupling, vertical or horizontal	See plan			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Guthoffnungshütte. Mannesmann-Rohrwerke. August Thyssen Hütte. Nierste-Reinische Hütte. Phœnix
	Has the Steel been tested as required by the Rules?
	Yes

ANCHORS.

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.	Status.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	
261.	300. 141.	2 1/16	106 2/10	199 5/8	934. 1-13.	290 1/4	300	2 7/16	Stud.	Deutsche Maschinenfabr.	Duisburg 15-11-16 Jul. Faust.	TOWLINE...	Fathoms. 120	Ins. 5 3/4	Tons. 7 1/2	Fathoms. 130	Ins. 5 3/4	
Iron Steam Chain or Steel Wire	See for Cables.		Last page of this report-															
	120	5	59															
													HAWSE & WARPS	2 x 100	3 1/2	26	2 x 100	2 3/4
												"	2 x 100	3 1/2	26	2 x 100	2 3/4	
												"						

Number of Shifting Beams and/or Fore and Afters Notes only. No. 1 H. 4, No. 2 H. 5, No. 3 H. 6 and No. 4 H. 4 in number

Maatschappij voor Scheeps- en Werktuigbouw

FIJENoord

GENERAL DECLARATION

GENERAL DECLARATION This vessel has been built in accordance with the approved plans, in general conformity with the Society rules and the workmanship is good.

All Tanks and Bolls have been tested as required by the rules and found sound and tight. The freeboard has been marked on the vessel's side, verified and marking cut in.

The requirements in connection with drainage by gutterways etc for leakage from oil compartments have been complied with.

The amount of Entry Fee : 120.00

Special Survey Fee... 4554.30

Travelling Expenses, if any \$ 138.00

Fees applied for,

Received by me,

I am of opinion the Vessel should be Classed *✱ 100 A1*

with notation for oil fuel. and
"Vegetable Oils" in deep tanks

State whether the Vessel has been built under Special Survey Yes

Certificate to be sent to

Date of issue.

Signature

Surveyor to Lloyd's Register of Shipping

Committee's Minute

~~FRI. 11 NOV 1927~~ TUES. 15 NOV 1927

Character assigned

+ 100 Ft. Laying Vegetable Oil in Deep Tanks

Clay: A & C.P.

+ L. M. 10. 24

Oil Engineer

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 the Plans should be embodied.)

M.S. "Kota Radja" same Owners., Builders. "Kon Maats. De Schelde"

Report No 16932

Plans for both vessels dealt with at the same time

Plans retained in London: Midship Section.
Profile and decks.
After deep tanks.
Fore deep tanks.
Deck Rudder Plan and Sternframe
Sketch of frames in this vessel at 3rd St. to be noted for Skatol on Certificate

See further letters dated London. 25/3.26. 10/5-26 - 2/7-26 - 12/8.26 - 25/9-26
12-15/5-26 - 4/5-26 - 21/5-26 -
Stm and major seating.

Damage.

Upon return from her trial trip on the 25th Oct. she grounded in the New wharf broke st. and fore cable, lost. Ropes and cables and broke outer flange of fore lower pipe.

She refloated and was placed in Pontoon dock. Bottom and R. examined and found undamaged. Flange of lower pipe remained. Ropes and cables recovered. st and made complete by replacing broken cables with new ones as under:-

30 fms. 2 1/2 stud link chain tested. Kon. Nidul Graftsmady Riden 24/10.27. Survey Willems Certificate No: 1526 Lth. applied 106.9 Tm. Tensile strain. 1495. Breaking strain. Weight. 95 wt. 0.4.

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

1st Bower	51 Cwt. - 2 Qrs - 12 lbs.	J. Q.	No 221.	Dusseldorf 6-9-26.
2nd "	51 Cwt. - 1 Qrs - 2 lbs.	J. Q.	No 220.	Dusseldorf 6-9-26.
3rd "	44 Cwt. - 2 Qrs - 1 lbs.	J. Q.	No 222.	Dusseldorf 6-9-26.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 58.08 ft., R.Q.D. ft., Bridge 130. ft., Forecastle 6. (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) 3rd St. upper 3rd deck sheathed.

Official No. ; Signal Letters

Particulars of composition further Painted

Is bottom of Vessel coated with cement See Stm when it is no oil is used

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water
Double bottom, aft,	124.5	421.	Fore peak tank,	22.4	
Double bottom, under Engines and Boilers,	62.5	422.	After peak tank,	7.5	
Double bottom, if under Engines only, 96.99.	7.5	47.	Deep tank, aft,	25.	
Double bottom, if under Boilers only,	180.3	582.	Deep tank, forward,	24.5	
Double bottom, forward,	Total capacity of double bottom	1472	Other tanks, if fitted, Side bunkers for oil in total -		
			(If necessary, furnish further information by sketch) See plans.		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 106

Date 30/3.26.

Dates of Surveys held while building

1926. 23/3. 19.30/4. 30/6. 14-21-30/7. 4-10-12-19-26/8. 2-3-7-22-30/9. 14-24
2-5-11-30/11. 3-7-18-16-21-24/12.
1927. 4-7-8-11-20-24-27/1. 1-4-5-7-11-16-18-23-26-28/2. 9-10-15-16-18-23
1-4-8-12-15-20-22-23-27-28-29/4. 3-6-9-11-12-13-14-19-24-27/5.
1-8-16-21-28-30/6. 4-19-22-27-29/7. 2-9-20-23-29/9. 4-5-25-26-28/10.

Total No. of Visits 93. - 5m. 1.26.