

STEEL STEAMER or MOTORSHIP.

Received at London Office SEP 14 1938.

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 3rd of September 1938

Port of Rotterdam

No.

Survey held at Slikkewen

Date First Survey 18th of February 1938 Last Survey 25th of August 1938

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

Steel single screw motor tank vessel "MURON"

Machinery fitted aft

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

Full Scantling

State Type of Erections

R. & Deck
Trunk &
Forecastle

TONNAGE under Tonnage Deck... 346.11

CLASS 100 A 1. State if with freeboard no

Built at Slikkewen

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 50.50

Launched 2-7-1938 Yard No. 218

Total

Breadth (greatest moulded) B 7.85

Builders N.V. Scheepswaarf "de Groot & van Nieuw"

Gross Tonnage 476.26

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 3.15

Owners N.V. Tankrederij "OBO"

Register Tonnage 175.91

1st Longitudinal Number (L x D) = 159.08

Managers

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

2nd Numeral L x (B + D) = 555.50

Residence Rotterdam

REGISTERED DIMENSIONS.

FEET.

Length 166.4

Framing Depth "d" at middle of length. See Sec. 3 (1d) 2.80

Breadth 25.9

Proportions—Depth to Length—Uppermost continuous deck to top of keel 16.03

Port of Registry Rotterdam

Depth 9.8

Draught Moulded 3.01 m

If surveyed while building, afloat, or in dry dock

Building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	IN SHIP.	Any Departure from Approved Plans to be Noted.		IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	530	✓	Bracket Floors, Frame	✓	
" " from $\frac{3}{4}$ length amidships to Collision bulkhead	530	✓	" " Reversed Frame		
" " in peaks	530	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	✓	
Frame Amidships, Angle, E or F	140 65 9	✓	" " top Angles		
" " Extends up to	deck	✓	" " bottom Angles		
Reversed Frame Amidships, Angle	65 65 7	✓	Side Girders, No. each side and thickness	✓	
" " Extends up to	on floors only	✓	Margin Plate depth (excl. of flange) and thickness	✓	
Depth of Framing Girder			" " Vertical Angle to Tank side		
Frames in Uppermost Continuous Decks, Angle, E or F	100 65 8	✓	" " Bracket abaft $\frac{1}{4}$ len. from stem		
" " Second 'tween Decks, Angle, E or F			" " Vertical Angle to Tank side		
" " Third " " " "			" " Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " in Peaks, Angle or F	100 65 7	✓	" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	16 $\frac{1}{2}$ 6d; 7d; 5 $\frac{1}{2}$ d.		Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
State if Frame Joggled	not joggled	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	Breadth and thickness of Middle Line Strake	✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	Thickness of remainder in Holds		
SINGLE BOTTOM.			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?	✓	
Floors, Depth and thickness at mid-line in Holds	345 x 7	✓	BEAMS.		
Height of Brackets at side above base line at toe of frame	760	✓	Uppermost Continuous Deck, amidships in Wells, Angle, E or F	100 65 7.5	✓
Middle Line Keelson, on Floors, Angles, E or F	Longitudinal middle line bulkhead fitted	✓	" " in way of Bridge, Angle, E or F		✓
" " Through Plate or Intercoastal Plate			Spacing	530	✓
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or F		✓
" " Flat Plate Keel Angle	120 120 10	✓	Spacing		
Side Keelsons, No. each side	one	✓	Third Deck, amidships, Angle, E or F		✓
" " thickness of Intercoastal Plate	7	✓	Spacing		
" " Angles	100 75 8	✓	Fourth Deck, amidships, Angle, E or F		✓
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			R. & Peep Deck, Angle, E or F	115 65 8	✓
" " Are Frame and Reversed Frame joggled?			Spacing	530	✓
Bracket Floors, breadth and thickness at middle line			TRUNK Bridge Deck, Angle, E or F	90 65 7	✓
" " breadth and thickness at margin plate			Spacing	530	✓
			Forecastle Deck, Angle, E or F	115 65 8	✓
			Spacing	530	✓

PILLARS AND DECKS.

		m/m IN SHIP.	Any Departure from Approved Plans to be Noted.			m/m IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....		<i>in way cargo tanks - two</i> ✓		Stringer Plate, breadth and thickness in way of Bridge			
" <i>forecastle</i> in <i>Upper Deck</i> , Size and Spacing.....		<i>50 1/2 - 10 60</i> ✓		Thickness of Plating abreast Deck openings in way of Wells			
" " <i>poop</i> " " "		<i>chain locker & division bulkheads</i>		Thickness of Plating abreast Deck openings in way of Bridge			
" in <i>Hold</i> Cargo tanks. "		<i>division bulkhead near centre line -</i> ✓		Thickness of Plating within line of openings...		<i>7 & 6</i> ✓	
" " " " "		<i>angle pillars 90 x 90 x 10</i> ✓		If Sheathed, material and thickness			
" " " " "		<i>every third frame.</i>		Third Deck.			
Centre Line Bulkhead.				Stringer Plate, breadth and thickness.....			
Stiffeners and Spacing.....		<i>B.A. 165 75 10</i> ✓		If Plated, state thickness.....			
Plating, thickness of		<i>spaced 530</i> ✓		Fourth Deck.			
STRINGERS AND DECKS.				Stringer Plate, breadth and thickness.....			
Uppermost Continuous Deck.				If Plated, state thickness			
Stringer Plate, breadth and thickness in Wells		<i>1920 x 8 3/4</i> ✓		R.P. Poop Deck.			
" " " " <i>AT BREAK R.P. DK in way of Bridge</i>		<i>11</i> ✓		Stringer Plate, breadth and thickness		<i>8-7</i> ✓	
" Angle in Wells		<i>120 120 10</i> ✓		Plating, Sheathing, material and thickness ...		<i>6 Oregon pine 6.3 1/2</i> ✓	
Thickness of Plating abreast Deck openings in way of Wells		<i>and 110 110 9</i> ✓		TRUNK Bridge Deck.			
Thickness of Plating abreast Deck openings in way of Bridge				Stringer Plate, breadth and thickness.....		<i>8 3/4</i> ✓	
Thickness of Plating within line of openings...				Plating, CENTRE STRAKE Sheathing, material and thickness ...		<i>8 3/4</i> ✓	
If Sheathed, material and thickness		<i>not sheathed.</i> ✓		Forecastle Deck.			
Second Deck. AFT. UNDER R.P. DK.				Stringer Plate, breadth and thickness.....		<i>6</i> ✓	
Stringer Plate, breadth and thickness in Wells...		<i>7</i> ✓		Plating, Sheathing, material and thickness ...		<i>6 not sheathed</i> ✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>not jogged</i>		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		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.	
	<i>Location m/m</i>	<i>Location m/m</i>	<i>Location m/m</i>	<i>Location m/m</i>		<i>Location m/m</i>	<i>Location m/m</i>		<i>Location m/m</i>	<i>Location m/m</i>		
FLAT PLATE KEEL	<i>980</i>	<i>13</i> ✓	<i>10</i> ✓	<i>10</i> ✓		<i>double</i>	<i>19</i>	<i>65</i> ✓	<i>Butts electric welded.</i>			
„ DELG. (if any)												
BOTTOM PLATING, No. of Strakes <i>two</i>	<i>1500</i>	<i>9.5</i> ✓	<i>8.5</i> ✓	<i>8.5</i> ✓		<i>double</i>	<i>19</i>	<i>65</i> ✓	<i>two</i>	<i>19</i>	<i>65</i>	<i>lapped</i>
BILGE PLATING, No. of Strakes <i>one</i>	<i>1350</i>	<i>9</i> ✓	<i>8</i> ✓	<i>8</i> ✓		<i>double</i>	<i>16</i>	<i>55</i> ✓	<i>two</i>	<i>16</i>	<i>55</i>	<i>lapped</i>
SIDE PLATING, No. of Strakes <i>one</i>	<i>1500</i>	<i>8 3/4</i> ✓	<i>7.5</i> ✓	<i>7.5</i> ✓		<i>double</i>	<i>16</i>	<i>55</i> ✓	<i>two</i>	<i>16</i>	<i>55</i>	<i>lapped</i>
UPPER DECK, Sheer- strake in Wells.....	<i>1350</i>	<i>8 3/4</i> ✓	<i>7.5</i> ✓	<i>7.5</i> ✓					<i>three</i>	<i>16</i>	<i>55</i>	<i>lapped</i>
UPPER DECK, Sheer- strake in <i>Bridge</i> ... <i>AT BREAK</i>		<i>14</i> ✓							<i>three</i>	<i>19</i>	<i>65</i>	<i>lapped</i>
STRAKE BELOW Sheer- strake in Wells.....												
STRAKE BELOW Sheer- strake in <i>Bridge</i> ...												
<i>R.P. DK</i> Deck SIDE PLATING..... <i>AT BREAK</i>		<i>10.5</i> ✓ <i>13.5</i> ✓	-	<i>7.5</i> ✓		<i>single</i>	<i>16</i>	<i>65</i> ✓	<i>two</i>	<i>16</i>	<i>55</i>	<i>lapped</i>
BRIDGE SIDE PLATING ...												
FORE'C'TLE SIDE PLATING			<i>6</i> ✓	✓		<i>single</i>	<i>16</i>	<i>65</i> ✓	<i>two</i>	<i>16</i>	<i>55</i>	<i>lapped</i>

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel -	<i>eight</i> ✓
Extending to Upper Deck (Sec. 3 c)	<i>seven</i> ✓
" Deck next below	<i>after peak bulkhead only</i> ✓
As per Rule	

STIFFENERS.

	Plating Thickness.				
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks		<i>120 x 75 x 9 A</i>			
" " Second "		<i>Bulkhead stiffeners connected to bulkhead by intermittent welding to Rule -</i>			
" " Third "		<i>A.</i>			
" " CARGO TANKS		<i>9.8.7</i>	<i>120 x 75 x 9</i>	<i>500</i> ✓	-
" " Holds		<i>9.8.8</i>	<i>B.A. 140 x 65 x 9</i>	<i>500</i> ✓	-
COLLISION " (in Hold)		<i>10.7</i>	<i>A 120 x 75 x 9</i>	<i>610</i> ✓	-
AFTER PEAK " "					

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				<i>Flat plate keel</i> ✓
STEM	<i>forging</i>	<i>145 x 32</i>		<i>rolled bar</i> ✓
STERN FRAME	Propeller Post	<i>casting</i>	<i>145 x 80</i>	<i>as per plan.</i> ✓
	Rudder "	"		
Speed of Vessel				<i>not exceeding 12 knots</i> ✓
RUDDER-Type				<i>Oertz type</i> ✓
" A x D			<i>253</i>	✓
" Diam. of head	<i>forging</i>	<i>142 1/2</i>	<i>Geb. N. & E. de Jongh</i>	✓
" Mainpiece at top pintle				
" " heel ...				
" how constructed				<i>Oertz patent rudder all as per approved plan</i> ✓
" double or single plate coupling, vertical or horizontal				<i>vertical as per plan</i> ✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Siemens Martin process* ✓
Carnegie Illinois Steel Corporation; Dortmund Hoerder Huttenverein; Thyssen Huette
Huette Ruhrort-Meiderich
 Has the Steel been tested as required by the Rules? *Yes, by Surveyors at Steel Works* ✓

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.)

Correspondance - London letters M 28/1; 7/2; 30/3; 6/4-1928
Rotterdam letters 27/1; 4/2; 17/3; 5/4-1928

Plans approved for this vessel

Midship Section and Sections fore and aft..

Profile and Decks..

Sternframe..

Motorsealing..

Rudder..

Sister vessel: M.S. "OBOR" Rotterdam Report No. 25210..

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of keelstrake; ✓

Trunksides to tankdeck and trunkdeck.. ✓

Stiffeners to bulkheads.. ✓

Rudder electrically welded.. ✓

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

"Carrying Petroleum in Bulk" ✓

"Rudder electrically welded" ✓

Leave out

Back of Keel E.W. ✓

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

1st Bower 7 Cwt. 2 qrs. 23 lbs. ✓ M.A.B. No. 4566. Antwerp 30.1.30..
2nd " 6 Cwt. 2 qrs. 6 lbs. ✓ W.H. No. 6835. Antwerp 24.7.37..
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 87.0 ft., R.Q.D. 55.6 ft., Bridge ✓ ft., Forecastle 23.1 ft. ✓

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

Official No. ✓

Signal Letters

Extreme Breadth over Belting ✓
(Circ. 1611)

(no belting) Over-all Length 174.9 ✓
(Circ. 1703)

No. and Material of Decks

One Deck ✓ (all)

Parts of Bottom of Vessel coated with cement or approved composition

forepeak and afterpeak coated with cement

motorroom painted ✓

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		94. ✓
Double bottom, under Engines and Boilers,			After peak tank,		19. ✓
Double bottom, if under Engines only,			Deep tank, aft, Cofferdam aft		25. ✓
Double bottom, if under Boilers only,			Deep tank, forward, Cofferdam forward		47. ✓
Double bottom, forward,			Other tanks, if fitted, Fuel bunker sbaps each		18. ✓
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 930

Date 3-2-38

Dates of Surveys held while building

18-22/2; 3-7-9-16-19-25-31/3; 14-15-21-27-29/4; 13-27/5;
3-8-13-16-24-30/6; 2-11-15-22-27/7; 2-15-17-18-19-25/8-1928

Total No. of Visits 33..