

STEEL ~~STEAMER~~ MOTORSHIP.

Received at London Office

MAY 24

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 *13<sup>th</sup> of May 1938*Port of *Rotterdam*No. *26918<sup>a</sup>*Survey held at *Rotterdam*Date First Survey *22<sup>nd</sup> of March 1937*Last Survey *5<sup>th</sup> of May*

1938

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

*steel single screw motor tanker "CLEA"*

Machinery fitted aft.

State Type

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

*Full Scantling*

State Type of Erections

*Prop. Bridge Forecastle*

TONNAGE under Tonnage Deck

*7237.67*CLASS *100 A 1*

State if with freeboard

*no*

Carrying Petroleum in Bulk in condition of Class

FEET.

Built at *Rotterdam*

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.-*Launched *26<sup>th</sup> of March 1938* Yard No. *198*

Total

Breadth (greatest moulded)

*B 59.-*Builders *Rotterdamse Droogdok Maatschappij*

Gross Tonnage

*8028.38*

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

*D 34.-*Owners *Petroleum Maatschappij "La Corona"*

Register Tonnage

*4725.02*1st Longitudinal Number (L x D) = *15640.*

Managers

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

2nd Numeral L x (B + D) = *42780.*Residence *'s Gravenhage.*

## REGISTERED DIMENSIONS.

FEET.

Length

*463.0*

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

*13.52*

Breadth

*59.3*

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

Do. Long Bridge to top of keel

Depth

*33.9*Draught Moulded *27' 4 1/2"*Port of Registry *'s Gravenhage.*

If surveyed while building, afloat, or in dry dock

*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.
<b>FRAMES, Spacing amidships</b>	800	✓	<b>Bracket Floors, Frame</b>	✓	
" " from $\frac{3}{8}$ length to Collision bulkhead	686	✓	" " Reversed Frame	✓	
" " in peaks	610	✓	" " Vertical Struts	✓	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	15.4 x 13.5	✓
Frame Amidships, Angle, <i>E or F</i>	250 90 11	✓ further as approved.	" " top Angles	90 90 12.5	✓
" " Extends up to <i>upper deck</i>			" " bottom Angles	100 100 13.5	✓
" " For longitudinal framing see separate slip.			<b>Side Girders, No. each side and thickness</b>	two 15 x 10.5	✓
Reversed Frame Amidships, Angle			<b>Margin Plate depth (excl. of flange) and thickness</b>	straight to shipside 13.5	✓
" " Extends up to			" " Vertical Angle to Tank side		
<b>Depth of Framing Girder</b>	<i>All bulk angle framing</i>		Bracket abaft $\frac{1}{4}$ len. from stem	✓	
<b>Frames in Uppermost Continuous Tween Decks, Angle, <i>E or F</i></b>	250 90 11	✓	" " Vertical Angle to Tank side		
" " <b>Second Tween Decks, Angle, <i>E or F</i></b>	280 90 11	✓	Bracket forward $\frac{1}{4}$ len. from stem	✓	
" " <b>Third " " " "</b>			" " Gussets, spacing and scantling		
" " <b>Fourth " " " "</b>			abaft $\frac{1}{4}$ len. from stem	✓	
" " <b>Fifth " " " "</b>			" " Gussets, spacing and scantling		
<b>Framing in Peaks, Angle or <i>F.P.</i></b>	230 90 9	✓	forward $\frac{1}{4}$ len. from stem	✓	
" " <b>Sixth " " " "</b>	200 90 12	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	$\frac{7}{8}$ - $5\frac{1}{2}$ d.	✓ further as approved.			
<b>State if Frame Joggled</b>	<i>Yes</i>	✓	<b>INNER BOTTOM PLATING.</b>		
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	<i>web frames and stringers as approved.</i>		Breadth and thickness of Middle Line Strake	1800 x 17.5	✓
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	<i>Backbars on longitudinals. extra transverse and double shell angles to transverse. floors in forward No. 8 cargo tanks &amp; in No. 9 cargo tank double web frames all as approved.</i>		Thickness of remainder in Holds	29 x 13.5	✓
<b>SINGLE BOTTOM.</b>			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	10.16 x 11	✓	<b>BEAMS.</b>		
Height of Brackets at side above base line at toe of frame			<b>Uppermost Continuous Deck, amidships</b>	200 75 11.5	✓
<b>Middle Line Keelson, on Floors, Angles, <i>E or F</i></b>	<i>Centre line bulkhead in duplicate forward.</i>	✓	" " in Wells, Angle, <i>E or F</i>		
" " <b>Through Plate or Intercoastal Plate</b>	10.16 x 10.5	✓	" " in way of Bridge, Angle, <i>E or F</i>	200 75 11.5	✓
" " <b>Foundation Plate on Floors</b>	✓		Spacing <i>forward</i>	686 & 610	✓
" " <b>Flat Plate Keel Angles</b>	100 100 12.5	✓	aft.	781 & 610	✓
<b>Side Keelsons, No. each side</b>	✓		<b>Second Deck, amidships, Angle, <i>E or F</i></b>		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			<b>Third Deck, amidships, Angle, <i>E or F</i></b>		
<b>DOUBLE BOTTOM. in Motorspace</b>			Spacing		
Solid Floors, thickness and spacing	10.5 & 12.5 781	✓	<b>Fourth Deck, amidships, Angle, <i>E or F</i></b>		
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>	✓	Spacing		
<b>Bracket Floors, breadth and thickness at middle line</b>	✓		<b>Poop Deck, Angle, <i>E or F</i></b>	200 75 11.5	✓
" " breadth and thickness at margin plate	✓		Spacing	781 & 610	✓
			<b>Bridge Deck, Angle, <i>E or F</i></b>	200 75 12	✓
			Spacing	800	✓
			<b>Forecastle Deck, Angle, <i>E or F</i></b>	230 90 10	✓
			Spacing	686 & 610	✓



## 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.		
<b>PILLARS, No. of Rows.....</b>			two. ✓								
" Forecastle in 'ween Decks, Size and Spacing.....			75 7/8 ✓								
" Bridge " " " "			90 7/8 ✓								
" Poop in Holds " " "			steel divisional bulkheads. ✓								
" 2 Longitudinal " Bulkheads. Centre Line Bulkhead. Stiffeners and Spacing.....			150 x 90 x 11 & spaced 800. ✓			180 x 90 x 11.5 & 11.5 ✓					
Plating, thickness of .....			10.5 & 11. ✓								
<b>STRINGERS AND DECKS.</b>											
<b>Uppermost Continuous Deck.</b>											
Stringer Plate, breadth and thickness in Wells			2420 x 20. ✓								
" " " " AT BREAK in way of Bridge			22.5 ✓								
" Angle in Wells .....			180 180 17.5 ✓								
Thickness of Plating abreast Deck openings in way of Wells .....			19. ✓								
Thickness of Plating abreast Deck openings in way of Bridge .....			✓ see 8K plan								
Thickness of Plating within line of openings...			14.5 ✓								
If Sheathed, material and thickness .....			not sheathed. ✓								
<b>Second Deck. forward &amp; aft.</b>											
Stringer Plate, breadth and thickness in Wells...			9 & 10 ✓								
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 .....			✓								
<b>Third Deck.</b>											
Stringer Plate, breadth and thickness.....			✓								
If Plated, state thickness.....											
<b>Fourth Deck.</b>											
Stringer Plate, breadth and thickness.....			✓								
If Plated, state thickness .....											
<b>Poop Deck.</b>											
Stringer Plate, breadth and thickness .....			9.5 ✓								
Plating, Sheathing, material and thickness ..			6.5 plate iron 64 7/8 ✓								
<b>Bridge Deck.</b>											
Stringer Plate, breadth and thickness.....			2280 x 10 ✓								
Plating, Sheathing, material and thickness ..			no sheathing 8.5 ✓								
<b>Forecastle Deck.</b>											
Stringer Plate, breadth and thickness.....			900 x 9.5 ✓								
Plating, Sheathing, material and thickness ..			9 & 7.5 plate iron 64 7/8 ✓								

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>not joggled.</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.		
	Inches. m/m	Inches. m/m	Inches. m/m	Inches. m/m									Inches.
FLAT PLATE KEEL .....	22.00	22.	19.5	19.5		double	1	4 ✓	5 to 4	1	4	Lapped	
DBLG. if any A 1810.		17	17.5	14.									
B 1500.		16.5	15	13.									
BOTTOM PLATING, No. of Strakes <i>thru</i> ....	C 2590.	16.5	14	13.		double	7/8	3 1/2 ✓	4 to 3	7/8	3 1/2	Lapped	
BILGE PLATING, No. of Strakes <i>thru</i> ....	D 2300.	16.5	14	15		double	7/8	3 1/2 ✓	4 " 3	7/8	3 1/2	Lapped	
SIDE PLATING, No. of Strakes <i>thru</i> ....	E 2000	16.5	12.5	13.									
	F 2400	16.5	12.5	12.5									
	G 2400	16.5	12.5	12.5		double	7/8	3 1/2 ✓	4 " 3	7/8	3 1/2	Lapped	
UPPER DECK, Sheer-strake in Wells.....	J 1300	26.	12.5	12.5					5 " 3	1 1/8	4 1/2	Lapped	
UPPER DECK, Sheer-strake in Bridge ...													
STRAKE BELOW Sheer-strake in Wells.....	H 2100	19.	12.5	12.5		double	1	4 ✓	4 to 3	1	4	Lapped	
STRAKE BELOW Sheer-strake in Bridge ...													
POOP SIDE PLATING .....				10					3 to 2	3/4	2 5/8	Lapped	
BRIDGE SIDE PLATING ...	11.								2	3/4	2 5/8	Lapped	
FOREC'TLE SIDE PLATING			11.			single	3/4	3 ✓	1	3/4	2 5/8	Lapped	

## WATERTIGHT BULKHEADS.

Total No. of **W.T. BULKHEADS** in Vessel— 17. - ✓  
 Extending to Upper Deck (Sec. 3 c) 16. - ✓  
 „ Deck next below 1. - ✓  
 As per Rule

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....		Flat plate keel.		✓
<b>STEM</b> .....	forging	154 x 70	rolled bar	✓
<b>STERN FRAME</b> {	Propeller Post .....	casting	as per approved plan.	Ruhrstahl A.G. Stahlwerk Krieger, Düsseldorf. ✓
	Rudder " .....	—		
<b>Speed of Vessel</b> .....		12 knots		✓
<b>RUDDER—Type</b> .....		Simplex Balance Rudder.		
" A x D .....		387.		
" Diam. of head .....	forging	180%	Herkspen N.V.	
" <del>14</del> pieces at top pintle		254%	Gulchhoffnungshutte	
<b>TURNING SHAFT</b>				
" " heel ...				
" how constructed .....		electric welded	Simplex Balance welded	
" double <del>or</del> single plate		15 m	Deutsche Werft. A.G.	
" coupling, vertical or horizontal .....		horizontal coupling		

## STIFFENERS.

		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						
"	" Second "					
"	" Third "	12-5-13 10-1-11	150x90x10 further all as approved	762x537	840x10 813x10 and as approved	
"	" Holds .....					
COLLISION " (in Hold) .....		12-10-9 8-7-5-6-5 above F.P. Keel	150x90x10.5 150x75x10-5 150x75x10 150x75x8-A	x610 x610 x610	spacing stringers & V.T. Rib F.P.T.	
AFTER PEAK " " .....		11-8-7-5	150x90x10 150x75x9 150x75x9	x610	-	-

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Siemens Martin process*  
*The Lanarkshire Steel Co. Ltd.; Dortmund-Hoerder Huttenverein; Gutehoffnungshutte; August Thyssen Stahle-*  
*Vereinigte Stahlwerke; Deutsche Rohrenwerke;*  
 Has the Steel been tested as required by the Rules? *Yes, by Surveyors at Steel Works.*



## PARTICULARS OF LONGITUDINAL FRAMING.

No 26918<sup>a</sup>

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.											
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.							
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.	Inches.	Number.	Diameter.							
Framing of L, L or C .....																									
Frames in Bridge 'tween Decks ...																									
Frames from Uppermost Continuous Deck No. 1																									
" 2		Steel			Single			Screw			Motor			Tank			vessel								
" 3																									
" 4		" C L E A "																							
" 5																									
" 6		Upper			Shinger			in			Wingtanks.														
" 7		to Shell			660 x 10.5			to long. b'kds.			660 x 10.														
" 8		face bar			90 90 11			face bar			90 90 10.5														
" 9																									
" 10		Second			Shinger			in			Wingtanks.														
" 11		to Shell			762 x 11.			to long. b'kds.			762 x 10.5														
" 12		face bar			90 90 11.			face bar			90 90 11.														
" 13																									
" 14																									
" 15																									
" 16																									
Spacing of Longitudinal Frames		Amidships .....			For ordinary side framing see first entry report :-													At Ends .....							
Double Bottoms																									
L, L or C		Tank Top Longitudinals																							
		Bottom			17 x 4 x 4 x 52/68 ✓													17 x 4 x 4 x 52/68 ✓			7/8 5 1/4 3 1/16 for eleven rivets				
Spacing of Longitudinals		Centre			8375 ✓													8375 ✓			each side of bulkheads				
		Wings			762 ✓													762 ✓			and transverses. ✓				
		At Ends...																							
Transverses.																									
In Bridge 'tween Decks		Depth and Thickness																Rivets in Lugs to Shell							
		Face Angles .....																Diam.			Speng.				
		Lugs to Shell* .....																							
In Upper 'tween Decks.		Depth and Thickness																							
		Face Angles .....																							
		Lugs to Shell* .....																							
Bottom Transverses		Depth and Thickness			1016 x 11 ✓ 940 x 11 ✓ 1016 x 11 ✓ 940 x 11 ✓																				
		Face Angles .....			D 150 100 15 ✓ S 150 100 15 ✓ D 150 100 15 ✓ S 150 100 15 ✓																				
In Hold.		Lugs to Shell* .....			150 150 11 ✓ 150 150 11 ✓ 150 150 11 ✓ 150 150 11 ✓													7/8 3 15/16 3 1/2 - 4 3/8							
		" " Back Bars ...			90 90 11 ✓ 90 90 11 ✓ 90 90 11 ✓ 90 90 11 ✓													as indicated on plan.							
		Brackets .....			as per plan																				
Spacing of Transverse Frames .....		3200 ✓			3200 ✓													3200 ✓			3200 ✓				
* State if joggled or liners.																									
Longitudinal Beams of L, L & C		Bridge Deck ...																Spacing.			In Ships.		As approved.		
		Upper Centre			230 90 11 Transverse													230 90 11 Transverse			8375			736 x 10.5 150 x 90 x 11 736 x 10.5 150 x 90 x 11	
		Second wings			230 90 11 framing													230 90 11 framing			762				
		Third																							

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

Lloyd's dock

+ Lmb 5.38







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.)

Secretary's Letter M 23/11; 25/11; 2/12; 10/12; 17/12; 22/12 - 1936.  
13/1; 26/1; 9/2; 15/2; 10/4; 17/4 - 1937.

Plans approved for this vessel.

Date of approval	Description of plans.
23-11-36	Midship Section
23-11-36	Outline bulkheads, stringers & upper deck
23-11-36	List of framing
2-12-36	Oil fuel bunkers and after cofferdam
10-12-36	Simplex balanced rudder.
10-12-36	Sternframe
10-12-36	Midship oil tight Bulkhead.
17-12-36	Sections in Wing tanks.
22-12-36	Framing etc. in Wing tanks.
13-1-37	Forward Cofferdam
26-1-37	Details of Riveting
9-2-37	Oil tight longitudinal bulkhead Part 1.
22-2-37	Oil tight longitudinal bulkhead Part 2.
15-2-37	Bulkhead of forward Cofferdam
26-2-37	Lengths of framing Parts 1-4.
26-2-37	Shell expansion Parts 1-3.
10-4-37	Forepeak.
17-4-37	Deep tank.

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

Longitudinal framing at Bottom and at Deck. ✓  
Rudder electrically welded.

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

1st Bower 51 Cwt. 1 qrs. 4 lbs N.S. No. 1930. Stettin 3-3-38.  
2nd „ 50 Cwt. 3 qrs. 23 lbs N.S. No. 1929. Stettin 3-3-38.  
3rd „ 50 Cwt. 3 qrs. 18 lbs N.S. No. 1806. Stettin 19-12-37.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 90.3 ft., R.Q.D. ft., Bridge 43.0 ft., Forecastle 48.3 ft.  
(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 Dk (stl) 2nd Dk (stl) clear of cargo tanks.

Necky aft. ✓

Official No. ; Signal Letters

Is bottom of vessel coated with cement not in cargo tanks. Yes in peaks. ✓ 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,			Fore peak tank,	22	135. ✓
Double bottom, under Engines and Boilers,			After peak tank,	16	83. ✓
Double bottom, if under Engines only,	64. ✓	156. ✓	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	24.8 ✓	262. ✓
Double bottom, forward,			Other tanks, if fitted, Fuel Bunker		393. ✓
Total capacity of double bottom		156. ✓	(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. 681

Date 7-12-1936

Dates of Surveys held while building

22-24/3; 14/5; 14-16-21-23-29/6; 1-6-7-8-14-15-19-22-27/7; 2-4-5-10-12-16-18-23-25-27/8;  
6-15-17-21-22-24-25-29-30/9; 4-6-7-11-13-15-18-20-22-27-28-29/10; 1-3-4-5-10-15-17-24-26-30/11; 3-6-7-10-17-16/12;  
20-27-28-29/12-1937; 3-4-5-6-8-13-14-15-17-19-20-21-22-24-25-26-27-29/1; 2-3-4-7-8-9-10-11-14-18-21-22-24/2;  
1-8-8-9-11-12-15-16-17-19-23-26-28/3; 1-2-5-6-11-13-18-19-20-22-26-27-29-30/4; 2-3-4-5/5-1938

Total No. of Visits. 130