

STEEL STEAMER or MOTORSHIP.

Received at London Office.

26.11.28

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 November, 1928Port of HamburgNo. 18356Survey held at KielDate First Survey 11th April, 1928Last Survey 12th November 1928.On the (State if Machinery fitted with or without Tonnage Openings) Steel Twin Sc. SR. "ELENA"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full ScantlingState Type of Erections Peop-Trunkdk-Festl.TONNAGE under Tonnage Deck... 1727.51Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓Total ✓Gross Tonnage 2609.15Register Tonnage 1147.19REGISTERED DIMENSIONS.
FEET.Length 93.11 = 305.78Breadth 15.33 = 50.30Depth 4.61 = 15.12CLASS * 100A1

Carry. Petrol in Bulk Long Fram. at Bottom + Deck.

State if with freeboard as condition of Class NoLength from fore part of stem to after part of stern L 305.0Breadth (greatest moulded) B 50.08Depth at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 15.001st Longitudinal Number (L x D) H.R.P. = 457512nd Numeral L x (B + D) 1840 = 198251Framing Depth "d." at middle of length. See Sec. 3 (1d) 3.81Proportions—Depth to Length—Uppermost continuous deck to top of keel 20.30Do. Long Bridge to top of keel ✓Draught Moulded 15.0Built at KielLaunched 6th Sept. 1928 Yard No. 690Builders Howaldtswerke A.G.Owners Curacao'sche Scheepvaart M.v.Managers Nederl. Indische Tank Stoom M.v.

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

Residence RotterdamPort of Registry Willemstad, Curacao

If surveyed while building, afloat, or in dry dock

Whilst building, on stocks, afloat + Dry-dock.

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.
FRAMES, Spacing amidships	25 1/2			✓	Bracket Floors, Frame	✓			✓
" " from 3/4 length to Collision bulkhead	25 1/2	9	84	✓	" " Reversed Frame	✓			✓
" " in peaks	24			✓	" " Vertical Struts	✓			✓
SIDE FRAMING.					Centre Girder, depth and thickness amidships	✓			✓
Frame Amidships, Angle, [or]	5	8 3/4	3	48	" " top Angles	✓			✓
" " Extends up to	U. dk	Peop	Festl	✓	" " bottom Angles	✓			✓
Reversed Frame Amidships, Angle	✓			✓	Side Girders, No. each side and thickness	✓			✓
" " Extends up to	✓			✓	Margin Plate depth (excl. of flange) and thickness	✓			✓
Depth of Framing Girder	8 3/4			✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	✓			✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	5	8 3/4	3	48	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	✓			✓
" " Second 'tween Decks, Angle, [or]	✓			✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	✓			✓
" " Third " " " "	✓			✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	✓			✓
Framing in Peaks, Angle or [5	8 3/4	3	48	Tank Side Brackets, height above base line at toe of Frame and thickness	✓			✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4	x	4 1/2	✓	INNER BOTTOM PLATING.				
State if Frame Joggled	yes			✓	Breadth and thickness of Middle Line Strake	✓			✓
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	Stringers, Decks as approved. And web-frame			✓	Thickness of remainder in Holds	✓			✓
TRENGTHENING OF BOTTOM FORWARD. State Particulars	A.B.C. strake 50 Extra Intercoast. 4 each side Bottom frames L 5x5x40			✓	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			✓
INGLE BOTTOM. Transverses-Space	10.62'				BEAMS. Transverses Space 10.62'	15x53x4x63			✓
Floors, Depth and thickness at mid-line in Holds	30x41 Face L 3x6x45 34x41 " 5x7 1/2x3x60				Uppermost Continuous Deck, amidships	8x3 1/2x50x1.53			✓
Height of Brackets at side above base line at toe of frame	64	9	48	✓	" " in way of Bridge, Angle, [or]	7/8	3	41	Longitudinal
Middle Line Keelson, on Floors, Angles, [or]	✓	✓	✓	✓	" " Spacing	24			✓
" " Through Plate or Intercoastal Plate	34	x	41	Intercoast.	Second Deck, amidships, Angle, [or]	7/8	3	40	✓
" " Foundation Plate on Floors	✓	✓	✓	✓	" " Spacing	25 1/2	9	24	✓
" " Flat Plate Keel Angles amidships	3 1/2	3 1/2	50	Double	Third Deck, amidships, Angle, [or]	✓			✓
Side Keelsons, No. each side	4			✓	" " Spacing	✓			✓
" " thickness of Intercoastal Plate	40	-	36	✓	Fourth Deck, amidships, Angle, [or]	✓			✓
" " Angles on Top	5	8 3/4	3	45	" " Spacing	✓			✓
DOUBLE BOTTOM.					Peop Deck, Angle, [or]	5	8	3	50
Solid Floors, thickness and spacing	✓			✓	" " Spacing	7/8	3	40	✓
" " Are Frame and Reversed Frame joggled?	✓			✓	" " Spacing	25 1/2	9	24	✓
Bracket Floors, breadth and thickness at middle line	✓			✓	Bridge Deck, Angle, [or]	✓			✓
" " breadth and thickness at margin plate	✓			✓	" " Spacing	✓			✓
					Forecastle Deck, Angle, [or]	5	7/8	3	40
					" " Spacing	25 1/2	9	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 <i>2 Longit. B'ds = 1 Row</i>		3		✓					✓
" in 'tween Decks, Size and Spacing.....		✓		✓					✓
" " " " " "		✓		✓					✓
" in Holds " " <i>IC</i> <i>8' 3 1/2" x 50" x 53</i> <i>10' 7 1/2" space</i>									✓
" " " " " " <i>I</i> <i>3 1/2" x 3 1/2" x 3" x 40</i> <i>4' 0" space</i>									✓
" " " " " " <i>L</i> <i>4" x 4" x 40</i> <i>4' 0" space</i>									✓
Intermediate Centre Line Bulkhead.									
Stiffeners and Spacing <i>2 Longit.</i> <i>E</i> <i>10' 3 1/2" x 50" x 50</i> <i>25 1/2" space</i>									✓
Transverses: <i>Transverses</i> <i>E</i> <i>26' 4 1/2" x 3 1/2" x 40</i> <i>4' 3" space</i>									✓
Plating, thickness of <i>Plating</i> <i>38</i>				✓					✓
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells <i>8' 0" x 45</i>				✓					✓
" " " " in way of Bridge		✓		✓					✓
" Angle in Wells	5	5	45	✓					✓
Thickness of Plating abreast Deck openings in way of Wells <i>55</i>				✓					✓
Thickness of Plating abreast Deck openings in way of Bridge <i>46</i>				✓					✓
Thickness of Plating within line of openings...		44		✓					✓
If Sheathed, material and thickness <i>Not sheathed</i>				✓					✓
Second Deck, Peak:									
Stringer Plate, breadth and thickness in Wells <i>34 x 36</i>				✓					✓
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				✓					✓
Third Deck.									
Stringer Plate, breadth and thickness				✓					✓
If Plated, state thickness				✓					✓
Fourth Deck.									
Stringer Plate, breadth and thickness				✓					✓
If Plated, state thickness				✓					✓
Poop Deck.									
Stringer Plate, breadth and thickness <i>5' 10" x 54/48</i>				✓					✓
Plating, Sheathing, material and thickness <i>40</i>				✓					✓
Bridge Deck.									
Stringer Plate, breadth and thickness				✓					✓
Plating, Sheathing, material and thickness				✓					✓
Forecastle Deck.									
Stringer Plate, breadth and thickness <i>36" x 32</i>				✓					✓
Plating, Sheathing, material and thickness <i>25</i> <i>2 1/2" Teak</i>				✓					✓

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.					Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Thickness.	Thickness.		Inches.	Inches.	Inches.	Inches.				
FLAT PLATE KEEL	68	70	58	58	✓	Y	Double	3/4	25/8-3	3	3/4	25/8	Lapped
„ DBLG. (if any)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
BOTTOM PLATING, No. of of Strakes3.....	82	51	55	50	✓	Y	Double	3/4	25/8-3	3	3/4	25/8	Lapped
BILGE PLATING, No. of Strakes1.....	62	51	55	44	✓	Y	"	3/4	25/8-3	3	3/4	25/8	do
SIDE PLATING, No. of Strakes1.....	80	48	38	38	✓	Y	"	3/4	25/8-3	3	3/4	25/8	do
UPPER DECK, Sheer- strake in Wells.....)	80	48	39	39	✓	Y	"	3/4	25/8-3	3	3/4	25/8	do
UPPER DECK, Sheer- strake in Bridge ...)	80	48	39	80	✓	Y	"	7/8	3	4	1	3 1/2	do
STRAKE BELOW Sheer- strake in Wells.....)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
STRAKE BELOW Sheer- strake in Bridge ...)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
POOP SIDE PLATING	80	Y	Y	52/42	✓	Y	Double	3/4 7/8	3 3	3	3/4	3	Lapped
BRIDGE SIDE PLATING ...	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
FOREC'TLE SIDE PLATING	50	Y	38	Y	✓	Y	Single	3/4	3	2	3/4	3	Lapped

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *2 m.t. + 9 oiltight = 11*" Deck next below *✓*As per Rule *yes, as approved.*

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	Forging	7 1/2 x 17 1/2	Howaldtswerke	✓
STERN FRAME { Propeller Post	Forging	12 5/8 x 4 1/4	"	✓
{ Rudder	Forging	7 1/2 x 2 3/8	"	✓
RUDDER—A x D	397	✓	✓	✓
Speed of Vessel	10 1/2	✓	✓	✓
RUDDER mainpiece at head	Forging	10" dia	Borsigwerk AG	✓
" " heel	"	7 1/2" dia	Borsigwerk AG	✓
" how constructed	Built with 3	Keyed Arms		✓
" double or single plate	Single	1.05	✓	✓
" coupling, vertical or horizontal	Horizontal	25 x 3	6 Bolts 3" dia	✓

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *S.M. open hearth Process.*

STEEL.

Approved Works - Plates - Bars: Wilkowitz Bergbau Eisenhütten, Wilkowitz - Güterhoffnungsh. - Oberhausen.
 David Colville & Sons Glasgow - Vereinigte Stahlwerke AG, Hoerder Verein, Niederrheinische Hütten-Mittel-
 Has the Steel been tested as required by the Rules? *yes! by the Society's Surveyors.*

EQUIPMENT No. 1949										LETTER Z	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
31270	1st Bower ...	42	1	14	✓	✓	✓	37	8	0	Byers improved	U.K.	Sunderland 5.7.28 Butler
31329	2nd „ ...	42	0	0	✓	✓	✓	37	2	2	Stockles Anchor		" 27.7.28 "
31324	3rd „ ...	35	2	21	✓	✓	✓	32	18	3	" " "		" 25.7.28 "
	Collective weight.	120	0	7					119	2	0		
43832	Stream	12	2	9	13	0	22	14	8	1	Rodgers Forged Iron Stock Anchor	U.K.	Cradley Heath 9.7.28 S.C. Boul
43732	Kedge	6	2	9	1	2	23	8	17	2			

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.	Statury.	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.	
84747	120	1 7/8	63 1/4	88 1/2	213.1.0				240	1 1/4	Stedman Hingley Sons	Netherton 17.5.28	TOWLINE...	100	4	47.5	100	4
84748	120	1 7/8	63 1/4	88 1/2	213.3.13			425 1/4	✓	✓	✓	" 18.5.28 Green.	HAWERS & WARPS	2.90	2 1/2	18.49	2.90	2 1/2
✓	240	✓	✓	✓	427-0-13	✓	✓	✓	✓	✓	✓	✓			2.90	6	8.57	2.90
		Oir.								Oir.			"					
Iron Stream Chain or Steel Wire	75	4 1/4	✓	53.35	✓			✓	75	4 1/4	Carbonit Ag Kiel	Kiel 3.10.28.	"	2.90	6 1/2	Nemp	8.57	Tons

Steering Gear, Steam *Wilson-Picrie 8" 8" Hastie & Co Greenock, good.* Steering Gear, Hand *Hastie & Co Greenock, efficient.* -

Boats *Two 7.5 x 2.35 x 0.95 m.* Steering Chains, Size and Test *Telemotor, no chains.* - Windlass *9 1/2 x 11" steam, good.* -

Ceiling in Holds, thickness and material *No Ceiling in Holds* Cargo Battens, thickness, material and spacing *No Cargo battens.* -

Cargo Hatchways.-(Upper Deck) *Built steel plates & angles* Thickness of Hatches *Steel hinged hatches 50.* -

Size of No. 1 Hatchway (Forward) *10'0" x 6'0"* No. 2 *6'0" x 4'0"* No. 3 *6'0" x 4'0"* No. 4 *6'0" x 4'0"* No. 5 *6'0" x 4'0"* No. 6 *✓* and 3 each side *6'0" x 2'7"*.

Number of Shifting Beams and/or Fore and Afters *No shifting beams or fore-afters.* -

Howaldtswerke A.G.
J. A. Starkhusen
Builder's Signature

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *yes* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *yes*. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved and amended plans, the requirements embodied in the Secretary's letters, and in all other respects in conformity with the Rules and Society's requirements for "Carrying Petrol in Bulk" Longit Framing at Bottom & Deck. - The workmanship is throughout of the best description for this type of vessels, all parts conforming well with each other, without use of any packing, and efficiently riveted together. The peak tanks and all deep tanks & cofferdams have been fitted and tested as required by the Rules, and were found perfectly tight, also decks. - The Air sounding pipes of all tanks comply with the Rules. - The painting arrangements and strengthening of bottom forward have been carried out as approved and to our satisfaction. - All steel material used in the construction of this vessel have been made at works approved and tested by the Society's Surveyors in accordance with the Rules. - Anchors & Chain cables have been compared with certificates and were found in order. - General Equipment were found satisfactory in all respects. -

The amount of Entry Fee £ 6 : 0 : 0 Fees applied for, *23 Nov. 1928*

Special Survey Fee.... £ 308 : 3 : 6 Received by me, *London 21.12.19*

Travelling Expenses, if any £ 21 : 16 : 6

Freight £ 8 : 0 : 0

State whether the Vessel has been built under Special Survey *yes Special Survey.* Signature *J. Chisholm*

Certificate to be sent to *Owners, Rotterdam* Date of issue *30/11/28*

I am of opinion the Vessel should be Classed **100 A 1**
"Carrying Petrol in Bulk, Long. Framing at Bottom & Deck."

Surveyor to Lloyd's Register of Shipping.

Committee's Minute **FRI. 30 NOV 1928**

Character assigned **1- 100 A 1**
Carrying petroleum in bulk

thru 11.28 J.D. CL.

Lloyd's arcl Fitted for oil fuel 11.28 J.P. above 150° F

Wife Ham

© 2020 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.)

The Freeboard approved by the Committee have been marked on the vessels sides, verified and cut in. -
All approved Plans¹⁰, Section as built, 4 Test certificates and Interim certificate attached. -

A. Chisholm R. R. R.

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

1st Bower Head: W = 23.3.17 Drop = 12.0" LR 3770 MB 15.6.28 Disseldorf M. Berg.
2nd " Head: W = 24.0.13 Drop = 12.0" LR 5476 KH 28.6.28 " " K. Hauss.
3rd " Head: W = 20.1.12 Drop = 12.0" LR 5507 KH 28.6.28 " " K. Hauss.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 86.63 ft., R.Q.D. ft., Trunk Bridge 189.83 ft., Forecastle 28.54 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Poop joined to Forecastle by Exp. Trunk.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) One Steel deck.

Official No. ; Signal Letters NPFS. Is bottom of Vessel coated with cement no if not give particulars of composition Oil Tanks not coated, Peaks Cement, otherwise paint or Bitumastic.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	28.0	135
Double bottom, under Engines and Boilers,			After peak tank,	18.63	83
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.)		
			Tons:		218

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

Order for Special Survey No. 120

Date 27th March, 1928.

Dates of Surveys held while building

1928: April 11, 25, 30; May 4, 9, 18; June 6, 8, 11, 27; July 13, 24, 25, 27;
August 2, 7, 8, 10, 14, 15, 16, 17, 21, 22, 23, 27, 29, 31; September 3, 5, 12, 21, 24, 26;
October 1, 5, 8, 12, 17, 26, 29; November 2, 7, 12, —

Total No. of Visits 45