

STEEL ~~STEAMER~~ MOTORSHIP.

Received at London Office

30 DEC 1948

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 *24th of November 1948* Port of *Rotterdam* No. *30951A*Survey held at *Heusden* Date First Survey *26th of January 48* Last Survey *24th of November 1948*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw motor vessel "ELISA" (machinery aft.)*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full scantling* State Type of Erections *R. Q. deck Poop and Forecastle*TONNAGE under Tonnage Deck *295.48* CLASS *#100 A1* State if with freeboard as condition of Class *no* Built at *Heusden*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 152' 6 3/4"* Launched *25/9 - 48* Yard No. *250*Total Breadth (greatest moulded) *B 26' 11"* Builders *De Haan & Berlemans*Gross Tonnage *407.96* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 11' 0 3/4"* Owners *N.V. Motorship Elisa*Register Tonnage *257.77* 1st Longitudinal Number (L x D) *= 1694* Managers *"* (Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) *8.73* Residence *Rotterdam*Length *154.56* Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.85* Port of Registry *Rotterdam*Breadth *27.03* Do. Long Bridge to top of keel *✓* If surveyed while building, afloat, or in dry dockDepth *9.25* Draught Moulded *10' 11"* *during construction.*

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	<i>546</i>		Bracket Floors, Frame	<i>90 65 8</i>	
" " from $\frac{3}{4}$ length amidships to Collision bulkhead	<i>546</i>		" " Reversed Frame	<i>90 65 7</i>	
" " in peaks	<i>546</i>		" " Vertical Struts	<i>130 65 9</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>710 8 1/2</i>	
Frame Amidships, Angle, <i>100 65 8 1/2</i>	<i>100 65 8 1/2</i>		" " top Angles <i>none</i>	<i>Electric welded</i>	
" " Extends up to <i>Upper deck</i>	<i>Upper deck</i>		" " bottom Angles <i>none</i>	<i>Electric welded</i>	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	<i>One 6 1/2 as approved</i>	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	<i>690 7 1/2</i>	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	<i>75.7 flat elect. welded</i>	
Frames in <i>R. Q. deck</i> Uppermost Continuous tween Decks, Angle, <i>E or F</i>	<i>130 65 8 1/2</i>	<i>150 x 75 x 9</i>	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	<i>75.7 " " "</i>	
" " Second tween Decks, Angle, <i>E or F</i>			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	<i>none</i>	
" " Third " " "			" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area	<i>none</i>	
" " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem	<i>100 65 9 8</i>	<i>150 x 75 x 9</i>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>762 6 1/2</i>	
" " in Peaks, Angle <i>or F</i>	<i>100 65 8</i>		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>5/8" 4 3/8 3 7/8</i>		Breadth and thickness of Middle Line Strake	<i>960 7 1/2</i>	
State if Frame Joggled	<i>no</i>		Thickness of remainder in Holds	<i>7</i>	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes</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>none</i>	<i>Motor Room aft. see plans</i>
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes</i>		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or F</i>	<i>115 65 8</i>	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, <i>E or F</i>		
Height of Brackets at side above base line at toe of frame			Spacing	<i>546</i>	
Middle Line Keelson, on Floors, Angles, <i>E or F</i>			<i>R. Q.</i> Second Deck, amidships, Angle, <i>E or F</i>	<i>130 65 8</i>	
" " Through Plate or Intercostal Plate			Spacing	<i>546</i>	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, <i>E or F</i>		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, <i>E or F</i>		
" " thickness of Intercostal Plate			Spacing		
" " Angles			Poop Deck, Angle, <i>E or F</i>	<i>130 65 9</i>	<i>115 x 65 x 8</i>
DOUBLE BOTTOM.			Spacing	<i>546</i>	
Solid Floors, thickness and spacing	<i>6 1/2 1638</i>		Bridge Deck, Angle, <i>E or F</i>		
" " Are Frame and Reversed Frame joggled?	<i>no</i>		Spacing		
Bracket Floors, breadth and thickness at middle line	<i>560 6 1/2</i>		Forecastle Deck, Angle, <i>E or F</i>	<i>100 65 8</i>	
" " breadth and thickness at margin plate	<i>560 6 1/2</i>		Spacing	<i>546</i>	

PILLARS AND DECKS.

	INCHES IN SHIP. <i>in</i>	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. <i>in</i>	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	<i>Long bulk-</i>		Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	<i>heads</i>		Thickness of Plating abreast Deck openings in way of Wells	✓	
" " " " "	<i>and</i>		Thickness of Plating abreast Deck openings in way of Bridge	✓	
" in Holds " "	<i>Strong beam</i>		Thickness of Plating within line of openings...	7 ✓	
" " " " "	<i>Hatch ends as approved.</i>		If Sheathed, material and thickness		
Centre Line Bulkhead.	<i>J</i>		Third Deck.		
Stiffeners and Spacing.....	<i>150 75 x 9 ✓ 115 65 x 7 ✓ 983</i>		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	<i>6 1/2 ✓</i>		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	<i>1525 x 10 ✓</i>		If Plated, state thickness	✓	
" " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	<i>90 90 10 ✓</i>		Stringer Plate, breadth and thickness	<i>1550 x 7 ✓</i>	
Thickness of Plating abreast Deck openings in way of Wells	✓		Plating, Sheathing, material and thickness ...	<i>plank 65m ✓</i>	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings...	<i>7 ✓</i>		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness			Plating, Sheathing, material and thickness ...		
<i>M.C.</i>			Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	<i>6 ✓</i>	
Stringer Plate, breadth and thickness in Wells...	<i>1550 x 8 1/2 ✓</i>		Plating, Sheathing, material and thickness ...	<i>6 steel ✓</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.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	<small>Inches. n/pn</small>	<small>Inches. n/pn</small>	<small>Inches. n/pn</small>	<small>Inches. n/pn</small>			<small>Inches. n/pn</small>	<small>Inches. n/pn</small>		<small>Inches. n/pn</small>	<small>Inches. n/pn</small>	
FLAT PLATE KEEL	1000	11	10	10	At back of poop and M.C. deck and sheer strake in well all as approved.	Double	19	68	Electric welded			
„ DBLG. (if any)												
BOTTOM PLATING, No. of of Strakes <i>Auto...</i>	A 1530 B 1530	8 1/2	7	7		Single	16	68	"	"		
BILGE PLATING, No. of Strakes <i>Auto...</i>	C 1400	8 1/2	7 1/2	7 1/2		"	16	68	"	"		
SIDE PLATING, No. of Strakes <i>Auto...</i>	D 1510	8	7	7		"	16	68	"	"		
UPPER DECK, Sheer- strake in Wells.....	E 1220	10	7	7		"	16	68	"	"		
Upper DECK, Sheer- strake in Bridge ...	F 1220	9		7								
STRAKE BELOW Sheer- strake in Wells.....												
STRAKE BELOW Sheer- strake in Bridge ...												
POOP SIDE PLATING				7+6			Single	16	68	"	"	
BRIDGE SIDE PLATING ...												
FORECASTLE SIDE PLATING				6		Single	16	68	"	"		

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *three* ✓

" Deck next below ✓

As per Rule *three*

STIFFENERS.

	Plating Thickness. <i>in</i>	VERTICAL.		HORIZONTAL.	
		Scantlings. <i>in</i>	Spacing. <i>in</i>	Scantlings. <i>in</i>	Spacing. <i>in</i>
MIDSHIP BULKH'D, Upper tween decks					
" " Second "					
" " Third "					
" " Holds					
COLLISION " (in Hold)					
AFTER PEAK " "					

FORGINGS and CASTINGS

	Casting or Forging.	Scantlings. <i>in</i>	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar			<i>Flat keel plate</i>	✓
STEM			<i>plate 12 in</i>	✓
STERN FRAME { Propeller Post			<i>Taget 145 x 75 De Haan</i>	
{ Rudder "			<i>further as approved Beilman</i>	
Speed of Vessel			<i>Below 12 knots Heussen</i>	
RUDDER—Type			<i>Balance rudder.</i>	
" A x D			<i>131.3</i>	
" Diam. of head			<i>Taget 115 De Haan</i>	
" Mainpiece at top pintle			<i>120 & Beilman</i>	
" " heel ...			<i>90 Heussen</i>	
" how constructed			<i>As per plan approved.</i>	✓
" double or single plate			<i>Double plate rudder</i>	✓
" coupling, vertical or			<i>Horizontal</i>	✓
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Societe Anonyme de la fabrication de fer de Charleroi. H.N. Maelfabieck

Dorman Long & Co Limited Britain Works Middlesbrough.

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

Lloyd's Register

Foundation

EQUIPMENT No 6496 ✓										LETTER G. ✓		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.				
2611	1st Bower ...	10	2	8	✓	✓	✓	12	10	1	0	✓	10-1-0	Hall's Stockless	K.N.G. Leiden	14/10.48 A.v. Harnel ✓
2609	2nd „ ...	10	1	20	✓	✓	✓	12	7	2	21	✓	10-1-0	“ “	“ “	14/10.48 A.v. Harnel ✓
2613	3rd „ ...	8	5	1	✓	✓	✓	10	17	3	0	✓	8-3-0	“ “	“ “	14/10.48 A.v. Harnel ✓
	Collective weight.	29	3	1	✓	✓	✓					✓	29-1-0 ✓			
2616	Stream	3	2	5	✓	✓	✓	0	3	10	5	✓	3-2-0 ✓	Common Stock	“ “	17/11.48 A.v. Harnel ✓

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.
5315	165	1 1/8	20 3/10	30 4/10	104-3-8	95-1-0	165	1 1/8	Stud	K.N.G. Leiden	4/10.48	TOWLINE...	75	2 1/2	13.2	75	2 1/2
										A.v. Harnel		HAWSERS & WARPS	90	2	8.5	90	2
Iron Stream Chain or Steel Wire	60	2 1/2	15.2				60	2 1/2		Verenigde Fabrieken		"					

Steering Gear, Type (Power or hand) *Hand gear* ✓ Alternative Means of Steering *releasing tackles on tiller* ✓

Steering Chains (Size and Test) ✓ Windlass *motor driven* ✓ Boats *two lifeboats* ✓

Ceiling in Holds, thickness and material *pine 2 1/2"* ✓ Cargo Battens, thickness, material and spacing *5 1/2' x 1 1/2' 9' distance* ✓

Cargo Hatchways.-(Upper Deck) *steel* Thickness of Hatches *2 1/2" pine* ✓

Size of Hatchways No. 1 (Fwd.) *11200 x 4850* No. 2 *11200 x 4850* No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams *6-6 respectively* ✓

Builder's Signature *DE HAAN & OERLEMANS*

DECLARATION. It should be stated (a) whether the vessel (if not a motorship) 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 (where required to be inserted in the Notation).

workmanship was found good and the vessel has been built in accordance with the approved plans, Secretary's letter and Rotterdam reference to on the other side, and in general conformity with the Society's rules. Weathercocks and watertight bulkheads have been tested by hose and found tight. Forepeak tank, afterpeak tank, fuelbunker and double bottom tanks have been tested as required by the rules and found sound and tight. Deckboards verified and cut in vessels sides. Steering arrangements and windlass tried under working conditions and found satisfactory. See letter 4.2.49

The amount of Entry Fee £ *1512* ✓ Fees applied for, *24/12 1948*
 Special Survey Fee... *92* ✓ Received by me, *19*
 Travelling Expenses, if any *92* ✓

(Special notations, where part of class, to be stated.)

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

State whether the Vessel has been built under Special Survey *Yes*

Signature *J. C. Herwerden*
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Rotterdam* Date of issue *8/1/49*

Committee's Minute *FRI. 28 JAN 1949*
 Character assigned *+100 A1*
Lloyds ATCP
+ LMC 11.48 oil Eng. O.B.
+ NE Made 1945 fitted 1948

Write Not

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.)

Approved plans retained in London
Profile London 2/1 1948
Midship section " 2/1 1948
Watertight bulkheads " 1/3 1948
Stemframe and rudder Rotterdam 16/3 1948
Motuseating London 30/1 1948
Double bottom " 2/1 1948
Revised hatchways Rotterdam 27/3 1948

PARTICULARS OF ELECTRIC WELDING (if employed). All electric welding according to the Rules.
Butts of shell plates, edges and butts of deck plating, edges and butts of double bottom plating, edges and butts and stiffeners of W. & and V.T. bulkheads, Inter costals, Centre girder, Hatchways on deck, flats, margin brackets, motuseating, etc.
Balance rudder.

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

Causester.

Particulars of Drop Test of Cast Steel Anchors, viz:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test
1st Bower 355 Kg L.R. N° 3246 Antwerp 12/7.48 F. H.
2nd " 355 Kg L.R. N° 3251 " 30/7.48 W. H.
3rd " 296 Kg L.R. N° 3262 " 30/7.48 W. H.
See letter 4.2.49 → 21.84

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 41.02 ft., R.Q.D. 53.70 ft., Bridge ft., Forecastle 10.37 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. ✓ Signal Letters P.D.W.T. Extreme Breadth over Belting 27'0" Over-all Length 165.6 feet.
(Circ. 1611) (Circ. 1703)

No. and Material of Decks One steel deck.

Parts of Bottom of Vessel coated with cement or approved composition Cement in peaks and double bottom. ✓

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,	16.4	37 ✓
Double bottom, under Engines and Boilers,			After peak tank,	7.5	10 ✓
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	102	113	Other tanks, if fitted, fuel tanks aft	53.0	16
Total length (if continuous) and Capacity	102 ✓	113 ✓	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 1035

Date

1/3 1948

Dates of Surveys held while building

26/1; 12/2; 4-26/3; 16/4; 11-25/5; 10-18/6; 20-30/7; 18/8;
2-25/9; 8-20-29/10; 12-19-23-24/11; 1948

Total No. of Visits

21

Lloyd's Register
Foundation