

State if Report is sent on the Machinery of the Vessel..... Yes.....

Survey held at Laadani Date First Survey 3-4-1950 Last Survey 2-2-1951

On the (State if Machinery fitted Aft and  
(if Single, Twin or Triple Screw) single screw motor vessel "R.P.S." machinery fitted aft

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) full scantling State Type of Erections 20 deck

TONNAGE under } 414.88 || CLASS +100 A1 || State if with freeboard }  
Tonnage Deck ... } as condition of Class } yes || Built at Kasaan

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 54.90  
Breadth (greatest moulded) } B 26.5  
Launched 21.12.1950 Yard No. 454  
Builder N.Y.C. & M.E. Shipyard

Total	Depth, at middle of length from top of keel to top
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Gross Tonnage 499.97 deck. See Sec. 3 (1c) 12' 8" Owners Northerapac Inc 40336 2357 ca

Register Tonnage 334.81

REGISTERED DIMENSIONS.	Framing Depth "d," at middle of length. See Sec. 3 (1d).....	3.21	Residence <u>Rotterdam</u>
FEET			

Length 55.60 182-67 Proportions—Depth to Length—Uppermost continuous deck to top of keel ..... } 14.04 Port of Registry Rotterdam

Depth ..... 8 67 28.44 Do. Long Bridge to }  
top of keel } If surveyed while building, afloat, or in dry dock

10th ..... 5.24 10.62 ..... Draught Moulded ..... 3.442 ..... whilst building .....

	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.....	550		Bracket Floors, Frame .....	75 65 7	
" " from 1/3 length amidships to Collision bulkhead.....	550		" " Reversed Frame.....	253 865	
" " in peaks .....	550		" " Vertical Struts .....	90 x 90 x 8 4 90 x 65 x 7	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	840 x 9	
Frame Amidships, Angle, [ or ] .....	180 x 9 at alt frame from flat bar 125 x 10 other frames	ER bulkhead to 1/2 84	" top Angles .....		
" " Extends up to.....	upper deck	+ 1/2 85, 86, 87, 88	" bottom Angles.....		
Reversed Frame Amidships, Angle .....			Side Girders, No. each side and thickness.....	1 21-40 w.t side section 8 in 2	
" " Extends up to .....			Margin Plate depth (excl. of flange) and thickness .....	1 40-74, 200 x 6 5/8 2 each	
Depth of Framing Girder.....			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....		
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ] .....			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area .....		
" " Second 'tween Decks, Angle, [ or ] .....			" " Gussets, spacing and scantling abaft 1/2 len. from stem.....		
" " Third " " " " .....			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area .....		
" from 1/2 len. for'd. to 15% len. from Stem .....	see above		Tank Side Brackets, height above base line at toe of Frame and thickness		
" in Peaks, Angle or [ or ] .....	flat bar 125 x 10	gas per plan	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....			Breadth and thickness of Middle Line Strake.....		
State if Frame Joggled.....	not joggled		Thickness of remainder in Hold.....	7 5-7	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	yes		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?.....		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	yes		BEAMS.		
SINGLE BOTTOM. 14 ER.			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ] .....	Brackets 500 x 75 x 8 1/2	
Floors, Depth and thickness at mid-line in Holds.....	1100 1/2 x 10 1/2		" " in way of Bridge, Angle, [ or ] .....	flat bar 90 x 8 other	
Height of Brackets at side above base line at toe of frame.....	100		Spacing .....	550	
Middle Line Keelson, on Floors, Angles, [ or ] .....	part 180 x 10 on bottom		Second Deck, amidships, Angle, [ or ] .....		
" " " Through Plate or Inter-costal Plate .....			Spacing .....		
" " " Foundation Plate on Floors .....	600 x 16 2x		Third Deck, amidships, Angle, [ or ] .....		
" " " Flat Plate Keel Angles .....			Spacing.....		
Side Keelsons, No. each side.....	one		Fourth Deck, amidships, Angle, [ or ] .....		
" " thickness of Inter-costal Plate.....	10		Spacing.....		
" " Angles .....			Deck, Angle, [ or ] .....	75 x 65 x 7 8 65 x 6 x 7	
DOUBLE BOTTOM.			Spacing.....	550	
Solid Floors, thickness and spacing .....	7 mm 2750 mm max		Bridge Deck, Angle, [ or ] .....		
" " Are Frame and Reversed Frame joggled? .....			Spacing.....		
Bracket Floors, breadth and thickness at middle line .....	550 x 7		Forecastle Deck, Angle, [ or ] .....	75 65	
" " breadth and thickness at margin plate.....	90 x 7		Spacing.....	550	

# PILLARS AND DECKS.

		AS IN SHIP.	Any Departure from Approved Plans to be Noted.				AS IN SHIP.	Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows .....		✓			Stringer Plate, breadth and thickness in way of Bridge .....		✓		
" in 'tween Decks, Size and Spacing .....		✓			Thickness of Plating abreast Deck openings in way of Wells .....		✓		
" " " " " " .....		✓			Thickness of Plating abreast Deck openings in way of Bridge .....		✓		
" in Holds " " " " .....		✓			Thickness of Plating within line of openings .....		✓		
" " " " " " .....		✓			If Sheathed, material and thickness .....		✓		
Centre Line Bulkhead. Stiffeners and Spacing .....		5	100	65 10	1100 mm	Third Deck. Stringer Plate, breadth and thickness .....	✓		
Plating, thickness of .....		7/12				If Plated, state thickness .....	✓		
STRINGERS AND DECKS.						Fourth Deck. Stringer Plate, breadth and thickness .....	✓		
Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells .....		1650 x 12				If Plated, state thickness .....	✓		
" " " " in way of Bridge .....		✓				216 Deck. Stringer Plate, breadth and thickness .....	✓		
" Angle in Wells .....		✓				Plating, Sheathing, material and thickness ...	6 1/2 - 6		
Thickness of Plating abreast Deck openings in way of Wells .....		✓				Bridge Deck. Stringer Plate, breadth and thickness .....	✓		
Thickness of Plating abreast Deck openings in way of Bridge .....		✓				Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating within line of openings .....		on tank deck 7				Forecastle Deck. Stringer Plate, breadth and thickness .....	6 1/2		
If Sheathed, material and thickness .....		✓				Plating, Sheathing, material and thickness ...	6 1/2		
Second Deck. Stringer Plate, breadth and thickness in Wells .....		✓							

# SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.	
Flat Plate Keel .....	1220	13 1/2	13	12 1/2							
" Dblg. (if any) .....	✓										
Bottom Plating, No. of Strakes .....	1530	10	12	9							
Bilge Plating, No. of Strakes .....	1370	10	13 1/2	9							
Side Plating, No. of Strakes .....	1370	10	10	10							
Upper Deck, Sheer-strake in Wells .....	1220	12	9	9							
Upper Deck, Sheer-strake in Bridge .....	✓										
Strake below Sheer-strake in Wells .....	2100	10	9	9							
Strake below Sheer-strake in Bridge .....											
Poop Side Plating .....			8 1/2	7							
Bridge Side Plating .....	✓										
Forecastle Side Plating .....			7 1/2								

# WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—			
Extending to Upper Deck (Sec. 3 c) .....		2	
" Deck next below .....		1	
As per Rule .....		3	

  

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
" " Second " "					
" " Third " "					
" " Holds E.R. bulkh'd	9-7	100x65x8	max 750	1400x500	max 750
COLLISION " (in Hold) .....	10-7 1/2	115x95	175x65x7	1400x500	2x115x95
AFTER PEAK " .....	20-7 1/2	150x65x8	600		

# FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....	✓			
STEM .....	plate & bolts	1100		
STERN FRAME	Propeller Post .....	forging	de Yang	
	Rudder " .....	✓	bolts	
Speed of Vessel .....		12 knots		
RUDDER—Type .....		balance type		
" A x D .....		69.4		
" Diam. of head .....		140 mm		
" Mainpiece at top pintle .....	✓			
" " heel pintle .....	110 mm			
" how constructed .....	welded			
" double or single plate coupling, vertical or horizontal .....	double			

# STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *U.S. process*  
*Kan. Ned. Hoogovens, Staal fabriek N.V. Ymuiden; Dorman Long & Co. Ltd, Middlesbrough;*  
*Skinner's Green Steel Works, Saltburn-by-the-Sea.*  
 Has the Steel been tested as required by the Rules? *yes.*

## ANCHORS

## CHAIN CABLES.

## HAWSERS AND WARPS.

Steering Gear, Type (Power or hand) hand steering gear classical quadrant Alternative Means of Steering Block & tackle

g Chains (Size and Test) ✓ Windlass motor driven Boats 2 boats (13 persons each)

in Holds, thickness and material 65mm white wood Cargo Battens, thickness, material and spacing 150x75 mm x 230

Hatchways.—(Upper Deck) 2 Thickness of Hatches 7mm trans Gorgon system

Hatchways No. 1 (Fwd.) 13.20 x 5—No. 2 13.20 x 5—No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

*Builder's Signature*

N. V. ZAAANLANDSCHE  
SCHEEPSBOUW MAATSCHAPPIJ

**AL 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..... *20505 24/5*  
 b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo..... *20*..... 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).

The vessel has been built in conformity with the Society's Rules & Regulations  
 & Secretary's and Rotterdam Office letters.

seatings and arrangements are in accordance with or equivalent  
those shown on the approved plans.

workmanship and materials were found good. The fore and after peak  
keels, bulkheads, fresh water tank and all double bottom tanks have  
been tested as required. Deck board markings verified and found correct.  
Steering gear, windlass and pumping arrangements have been satisfactorily

The amount of Entry Fee.....	£	:	:	Fees applied for,
				23-3 19.57
Special Survey Fee.....				Received by me,
Travelling Expenses, if any .....				19

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

I am of opinion the Vessel should be Classed..... *100 A*

State whether the Vessel has been built under Special Survey Yes

Signature

*Surveyor to Lloyd's Register of Shipping.*

Certificate to be sent to Resident Plan Surveyors Date of issue 4/5/51

FRI. 13 APR 1951

Committee's Minute

Character assigned

Lloyd's A & C.P.

+ LMC 2.51 Oil Eng

0.5

CLASSIFICATION  
CERTIFICATES WRITTEN

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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.)

List of approved Plans	Date of approval
Master's certificate	6 - 4 - 1950
Stowage plan, Rudder	10 - 5 - 1950
Midship Section, Seafile	4 - 5 - 1950
Deck shell Expansion	16 - 5 - 1950
Mass Gorge hatch	17 - 5 - 1950
Other Decks	17 - 5 - 1950
Bulkheads aft	17 - 5 - 1950
Bulkheads forward and	
Strengthening of bottom forward	1 - 6 - 1950
Deck beams aft (not here with)	14 - 7 - 1950

PARTICULARS OF ELECTRIC WELDING (if employed)

All welded, except deck beam brackets to frames

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

Crane stern Machinery aft Oil engine

RADAR Equipment (State if fitted)

State Type or Pattern No.

State Name of Maker and/or Supplier

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

1st Bower	537 kgs	W.H.	Nº 3623	16 - 12 - 49
2nd "	541 "	M.J.	Nº 3605	25 - 11 - 49
3rd "	391 "	M.J.	Nº 3610	25 - 11 - 49

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ 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.H.E.X.** Extreme Breadth over Belting ☒ no belting Over-all Length ☒ 194'

No. and Material of Decks **one deck steel**

Parts of Bottom of Vessel coated with cement or approved composition **cement in after peak**

Particulars of composition (if fitted) and of approval **cement**

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,	18.9	72
Double bottom, under Engines and Boilers,			After peak tank,	7.2	11
Double bottom, if under Engines only,			Deep tank, aft, <b>Bunker tank forward</b>	9.0	32.5
Double bottom, if under Boilers only,			Deep tank, forward, <b>forward counter tank</b>		61
Double bottom, forward, <b>in hold</b>	122.5	205	Other tanks, if fitted,		
Total length (if continuous) and Capacity	122.5	205	(If necessary furnish further information by sketch.)		

Order for Special Survey No.

Date

Dates of Surveys held while building

1950 April 3 - 20 - 24 May 24 June 5 July 6 - 28  
August 25 - 26 September 4 - 7 - 15 October 12  
November 9 December 12, 16, 18, 19, 23  
1951 January 4 - 11 - 23 - 25 February 1 - 2

Total No. of Visits

25