

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

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full scantling State Type of Erections forecastle & bridge

Built at Sliedrecht

Launched 22nd April 1951 Yard No. CO. 180

Builders *N.V. Scheepskouwerf & Mach. fabr. De Klop.*

Owners Indonesian Government

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

Residence Djakarta

Port of Registry. Djakarta

If surveyed while building, afloat, or in dry dock

building 852

	INCHES IN SHIP. Inches	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. Inches	Any Departure from Approved Plans to be Noted.
SPACING AMIDSHIPS.	500	✓	Bracket Floors, Frame	✓	
" from 1/2 length amidships to Collision bulkhead.....}	500	✓	" " Reversed Frame.....	✓	
" in peaks	450	✓	" " Vertical Struts	✓	
FRAMING.			Centre Girder, depth and thickness amidships	700 .7	✓
Uppermost Continuous 'tween			" " top Angles	EW	✓
Decks, Angle, [or]	475 .65 8 1/2 7	✓	" " bottom Angles.....	EW	✓
" Extends up to.....	main deck	✓	Side Girders, No. each side and thickness.....	✓	
Reversed Frame Amidships, Angle	✓		Margin Plate depth (excl. of flange) and " " thickness	horizontal .6	✓
" " Extends up to ...	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	✓	
Thickness of Framing Girder	75	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	✓	
Frames in Uppermost Continuous 'tween			" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	✓	
Decks, Angle, [or]	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	
" Second 'tween Decks, Angle, [or]	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
" Third	✓		INNER BOTTOM PLATING.		
from 1/2 len. for'd. to 15% len. from Stem	475 .65 7 1/2	✓	Breadth and thickness of Middle Line Strake...	6	✓
in Peaks, Angle or [or]	475 .65 8 1/2	✓	Thickness of remainder in Holds	6	✓
Number and Spacing of Rivets through Frame and Shell Plating amid-	16mm 7 dia.	✓	Are Rule requirements complied with regard- ing increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room ?.....	yes	✓
ships			BEAMS.		
Is the Frame Joggled	no	✓	Uppermost Continuous Deck, amidships in Wells, Angle, [or]	475 .50 .7	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved ?	as approved	✓	" " in way of Bridge, Angle, [or]	475 .50 .7	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved ?	as approved	✓	" " Spacing	every frame	✓
INNER BOTTOM. (forward only)			Second Deck, amidships, Angle, [or]	✓	
Frames, Depth and thickness at mid-line in Holds	900/940 .6	✓	" " Spacing	✓	
" Height of Brackets at side above base line at toe of frame.....	✓		Third Deck, amidships, Angle, [or]	✓	
" Middle Line Keelson, on Floors, Angles, [or]	✓		" " Spacing.....	✓	
" " Through Plate or Inter- costal Plate	6	✓	Fourth Deck, amidships, Angle, [or]	✓	
" " Foundation Plate on Floors	100 .6	✓	" " Spacing.....	✓	
" " Flat Plate Keel Angles	EW	✓	Poop Deck, Angle, [or]	✓	
Keelsons, No. each side	✓		" " Spacing.....	✓	
" thickness of Intercostal Plate...	✓		Bridge Deck, Angle, [or]	475 .50 .6	✓
" Angles	✓		" " Spacing	every frame	✓
INNER BOTTOM.			Forecastle Deck, Angle, [or]	475 .50 .6	✓
Floors, thickness and spacing	6 every frame	✓	" " Spacing.....	every frame	✓
" Are Frame and Reversed Frame joggled ?	✓		Any Departure from Approved Plans to be Noted.		
" Bracket Floors, breadth and thickness at middle line	✓				
" " breadth and thickness at margin plate.....	✓				

ANCHORS.

No. of plates.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY APPL. TABLE 58, p. 124		Description of Anchor.	Makers.	Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
1	1st Bower	5	1	26				7	16	1	0	5-1-7	Hall-type.	Hingley	LPCH. Dec. '51. H. Phillips
2	2nd "	5	1	9				7	14	0	7	5-1-7	"	"	LPCH. "
3	3rd "														
	Collective weight	10	3	7								10-2-14			
70	Stream	1	1	18	0	1	20	3	18	3	0	1-2-12	(see London letter 22/9/52)	Hingley	LPCH. Oct. '51. H. Phillips

CHAIN CABLES.

HAWSERS AND WARPS.

No.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Test.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Test.	
	Length.	Diam.	Stati- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Tons.	Length.
1	277	2 1/2	12.5	107.5	2872 kg.	2320 kg.	250	2 1/2	scudlink Hansa Ketten	Dortmund	Sept. 51	TOWLINE	137	2 1/4	10.8	7.5	2 1/4
2	82 1/2	2"	13.2				82 1/2	2"	fabrik	Jul. Quast		HAWSEBS & WARPS					

ing Gear, Type (Power or hand) *hand hydraulic (Hyland)* ✓ Alternative Means of Steering *tiller and blocks* ✓

ing Chains (Size and Test) *✓* Windlass *electric* ✓ Boats *2 (wood)* ✓

ing in Holds, thickness and material *40 mm teak* ✓ Cargo Battens, thickness, material and spacing *40 pine 100* ✓

o Hatchways.—(Upper Deck) *two, built up from plate and sections* ✓ Thickness of Hatches *6 steel 60 wood* ✓

of Hatchways No. 1 (Fwd.) *1200 x 1200* No. 2 *2000 x 1800* No. 3 No. 4 No. 5 No. 6

ber of Shifting Beams } *✓ one fore and after* ✓
d/or Fore and Afters }

Builder's Signature _____ N.Y. Scheepshouww. & Machinefabr., „De Klop”
SLIEDRECHT

SHELL PLATING.

SCANTLINGS.

RIVETING.

STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.				BUTTS.			
	AMIDSHIPS.		FORWARD.			State if hogged: <i>yes, except keel/strake</i>	SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.	RIVETS.		
	Breadth. <i>inches.</i>	Thickness. <i>inches.</i>	Thickness. <i>inches.</i>	Thickness. <i>inches.</i>				Diam.	Spacing or to cr.		Diam.	Spacing or to cr.	Inches.
Flat Plate Keel.....	<i>920</i>	<i>16</i>	<i>16</i>	<i>10</i>		<i>double</i>	<i>16</i>	<i>8 1/2</i>					
„ Dblg. (if any)	✓	✓	✓	✓									
Bottom Plating, No. of Strakes <i>2</i>	<i>1480</i>	<i>A 9</i>	<i>7-10</i>	<i>7</i>		<i>single</i>	<i>16</i>	<i>6 1/2</i>					
Bilge Plating, No. of Strakes <i>one</i>	<i>1270</i>	<i>7</i>	<i>7</i>	<i>7</i>		„	<i>16</i>	<i>6 1/2</i>					
Side Plating, No. of Strakes }	✓	✓	✓	✓		✓	✓	✓					
Upper Deck, Sheer-strake in Wells.....	<i>1470</i>	<i>8</i>	<i>8</i>	<i>7</i>	<i>12 1/2 at break</i>	<i>single</i>	<i>16</i>	<i>6 1/2</i>	<i>EW</i>				
Upper Deck, Sheer-strake in Bridge ... }	✓	✓	✓	✓		✓	✓	✓					
Strake below Sheer-strake in Wells..... }	<i>✓</i>	✓	✓	✓		✓	✓	✓					
Strake below Sheer-strake in Bridge ... }	✓	✓	✓	✓		✓	✓	✓					
Poop Side Plating.....	✓	✓	✓	✓		✓	✓	✓					
Bridge Side Plating.....	✓	✓	<i>6</i>	✓		<i>EW</i>	✓	✓					
Forecastle Side Plating	✓	✓	<i>6</i>	✓		<i>EW</i>	✓	✓					

WATERTIGHT BULKHEADS.

FORGINGS AND CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.		Maker's Name.		Any from Plans	
Extending to Upper Deck (Sec. 3 c)	6								
Deck next below	✓								
As per Rule	4								

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	✓				
" " Second	✓				
" " Third	✓				
" " Holds	7-6	L 65.50.6	max 500		
COLLISION " (in Hold)	7-6	L 100.50.7	600		
AFTER PEAK "	12-6	L 65.50.6 1/4	530		

		Casting or Forging.	Scantlings.	Maker's Name.	Any from Plans
KEEL, Bar		✓			
STEM			rolled 465 & 9 mm. plate		
STERN FRAME	Propeller Post		25 per plan		
	Rudder		forging	de Jongh	
Speed of Vessel			11 knots		
RUDDER—Type			streamlined, balanced		
"	A x D.		21, 0		
"	Diam. of head		forging 125/100	de Jongh	
"	Mainpiece at top pintle				
"	bottom pintle neck liner		90/105	de Jongh	
"	how constructed		EW		
"	double or single plate		double plate		
"	coupling, vertical or horizontal		horizontal		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth process*
Ken. Ned. Hoopvrens & Staal-fabrieken, Appleby Frodingham, Dorman Long, Bairds & Scottish Steel

Has the Steel been tested as required by the Rules? yes

GENERAL 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).

This ship has been built under Special Survey in conformity with the Society's Rules and Regulations and Secretary's letters. The scantlings and arrangements of the ship are as given in the reports and as shown and amended on the approved plans now forwarded. All modifications or additions to the original approved arrangements made during construction have been indicated on the plans and have been approved as being in accordance with, or by standards equivalent to the Rule requirements. The plans of Midship section and Profile and Decks and Engine foundation showing the ship as built, now forwarded herewith, have been checked with the approved arrangements and found in order. Decks and WT bulkheads have been hose tested and all tanks have been tested under pressure as required and found tight. Steering gears and windlass have been tested during trials and found to satisfaction. Vessel drydocked after launching, 19th August 1952. Bottom, stern frame and tudder found in good condition and recoated.

The amount of Entry Fee..... £ 750/- } Fees applied for, 7/11 1952
 Special Survey Fee..... £ : : } Received by me, _____
 Travelling Expenses, if any £ 54/- } 19 _____
 I am of opinion the Vessel should be Classed +100 A1
 for service in Indonesian Archipelago
 Date whether the Vessel has been built under Special Survey yes
 Signature Kraayenbuid
 Surveyor to Lloyd's Register of Shipping.
 Certificate to be sent to Roth. Date of issue 24/1/53

Committee's Minute
Character assigned

TOES. 6 JAN 1953
+100A1 For Service in the Indonesian Archipelago

11,52 Dja
Lloyd's A & C.P.
+ LMC 8,52 Oil Eng
CH

012465-012472-012472

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 the Plans should be embodied.)

Sisterships: BEO, de Klop CO 181
BETTET, " CO 182
BABUT, L. Smit CO 179

Approved plans: Midship section 20-11-51 R'dam office
Profile and Decks 20-11-51 " "
Shellplating 23-11-51 London
Double bottom 14-11-51 R'dam
Alteration engine foundation 24-11-51 " "
WT bulkheads 15-10-51 " "
OF bunkers 27-11-51 " "
Forepeak 27-11-51 " "
Rudder and stern frame 24-10-51 London

Certificates attached:

Rudderhead
Stern frame
Steering gear
Rudder flanges
Boat davits

PARTICULARS OF ELECTRIC WELDING (if employed)

Double bottom structure, Tanktop, WT bulkheads, decks, Butts of shellplating, seams of forecastle and on sideplating, stern frame, rudder, deckhouses, engine seat.

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

Cruiser stern, part EW

RADAR Equipment (State if fitted) not fitted

State Type or Pattern No. ✓
State } Maker ✓
Name } and/or ✓
of } Supplier ✓

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

1st Bower 3-3-20 AEG 5579 25-10-51
2nd " 3-3-10 AEG 5582 25-10-51
3rd " ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge 32.8 ft., Forecastle 14.9

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. forecastle and bridge joined
Official No. ✓ Signal Letters PKAO Extreme Breadth over Belting ✓ Over-all Length 125.3
(Circ. 1611) (Circ. 1703)

No. and Material of Decks one steel deck

Parts of Bottom of Vessel coated with cement or approved composition. Waterballast tanks, single bottom, dry tanks covered with bitu
freshwater tanks cement washed OF tanks oiled.

Particulars of composition (if fitted) and of approval solution + bitumastic

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.
Double bottom, aft,	Feet.	Tons.	Fore peak tank,	Feet.	Tons.
Double bottom, under Engines and Boilers,	13.1	8.76	After peak tank,		
Double bottom, if under Engines only, OF or ballast	19.7	16.90	Deep tank, aft,	✓	
Double bottom, if under Boilers only,			Deep tank, forward,	✓	
Double bottom, forward,	18.0	13.51	Other tanks, if fitted, OF only.		
Total length (if continuous) and Capacity	70.7	39.17	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 1120

Date 8-10-51

Dates of Surveys held while building
1951: Nov. 12.
1952: Jan. 16, 22, Febr. 20, 27, March 5, 13, 19, 25, April 2, 11, 15, 18, 22, 28, May 8, 13, 29, July 28, Aug. 6, 19, Sept. 1.

For S.S.O.F. see main ship Babut; yd No. 179.