

STEEL ~~STEAMER~~ OR MOTORSHIP.

Received at London Office

24 OCT 1953

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 7-9-53Port of GRONINGENNo. 822aSurvey held at MARTENS HOEKDate First Survey 2-3-53Last Survey 22-9-1953On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) single screw steel m.v. "BARAU"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) "For service in the Indonesian Archipelago"State Type of Erections Fatle + BridgeTONNAGE under Tonnage Deck 137.43Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓Total ✓Gross Tonnage 195.25Register Tonnage 76.41CLASS 100 A1State if with freeboard as condition of Class NoLength from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 114.83Breadth (greatest moulded) B 21.33Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 9.661st Longitudinal Number (L x D) ✓2nd Numeral L x (B + D) ✓Framing Depth "d," at middle of length. See Sec. 3 (1d) ✓Proportions—Depth to Length—Uppermost continuous deck to top of keel 2959/114.83
Do. Long Bridge to top of keel 2966/114.83
2966/114.83Draught Moulded 1946 7/8Built at MartenshoekLaunched 2-7-53Yard No. 401Builders Bodewes Scheepswerven N.V.Owners Indonesian GovernmentManagers ✓
(Where necessary to be entered in Reg. Book)Residence DjakartaPort of Registry DjakartaIf surveyed while building, afloat, or in dry dock while building

REGISTERED DIMENSIONS.

FEET

Length 114.4Breadth 21.4Depth 7.0

FRAMES, DOUBLE BOTTOM AND BEAMS.

	As built IN SHIP.	Any Departure from Approved Plans to be Noted.	As built IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	500	✓	Bracket Floors, Frame	✓
" " from 1/2 length amidships to Collision bulkhead.....	500	✓	" " Reversed Frame.....	✓
" " in peaks	450	✓	" " Vertical Struts	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships <u>7 1/2 / 1000</u>	7
Frame Amidships, Angle, <u>75 65 0</u>	75 65 0	✓	" " top Angles	E.W.
" " Extends up to.....	deck	✓	" " bottom Angles.....	E.W.
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness.....	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	125 6
Depth of Framing Girder.....	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	EW
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	✓		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	EW
" " 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	75 65 7 1/2	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	✓
" " in Peaks, Angle <u>75 65 8 1/2</u>	75 65 8 1/2	✓	INNER BOTTOM PLATING.	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8" 7 1/2	✓	Breadth and thickness of Middle Line Strake.....	✓
State if Frame Joggled.....	no	✓	Thickness of remainder in Holds	6
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. <u>space and framing in Bunkers and Boiler Room</u>	yes
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	✓	BEAMS.	
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <u>75 50 7</u>	75 50 7
Floors, Depth and thickness at mid-line in Holds.....			" " in way of Bridge, Angle, <u>75 50 7</u>	75 50 7
Height of Brackets at side above base line at toe of frame.....			" " Spacing	500
Middle Line Keelson, on Floors, Angles, [or]			Second Deck, amidships, Angle, [or]	✓
" " Through Plate or Inter-costal Plate			" " Spacing	✓
" " Foundation Plate on Floors			Third Deck, amidships, Angle, [or]	✓
" " Flat Plate Keel Angles			" " Spacing.....	✓
Side Keelsons, No. each side.....			Fourth Deck, amidships, Angle, [or]	✓
" " thickness of Inter-costal Plate.....			" " Spacing.....	✓
" " Angles			Poop Deck, Angle, [or]	✓
DOUBLE BOTTOM.			" " Spacing.....	✓
Solid Floors, thickness and spacing	6 500	✓	Bridge Deck, Angle, <u>75 50 6</u>	75 50 6
" " Are Frame and Reversed Frame joggled?	no	✓	" " Spacing.....	500
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, <u>75 50 6</u>	75 50 6
" " breadth and thickness at margin plate.....	✓		" " Spacing.....	450

PILLARS AND DECKS.

		mm IN SHIP.	Any Departure from Approved Plans to be Noted.				mm IN SHIP.	Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows <i>widely spaced</i>									
" <i>Superstructures</i> in 'tween Decks, Size and Spacing <i>dia</i>		60							
" " " " " "									
" in Holds " " <i>dia</i>		75							
" " " " " "									
Centre Line Bulkhead.									
Stiffeners and Spacing									
Plating, thickness of									
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells		1500	8/7						
" " " " in way of Bridge		1500	7/8						
" Angle in Wells		75	75	8					
Thickness of Plating abreast Deck openings in way of Wells			6						
Thickness of Plating abreast Deck openings in way of Bridge			6						
Thickness of Plating within line of openings			6						
If Sheathed, material and thickness		50	Teak						
Second Deck.									
Stringer Plate, breadth and thickness in Wells									
Stringer Plate, breadth and thickness 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									
Plating, Sheathing, material and thickness									
Bridge Deck.									
Stringer Plate, breadth and thickness		1200	6						
Plating, Sheathing, material and thickness		5	50	Teak					
Forecastle Deck.									
Stringer Plate, breadth and thickness		1500	6						
Plating, Sheathing, material and thickness			8						

SHELL PLATING.

SCANTLINGS.					RIVETING.					
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged		BUTTS.		
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	No. of Rows or Rivets.	RIVETS.	STRAPPED OR LAPPED.
Flat Plate Keel	920	16	16	10		D	5/8	63	E. W.	
" Dblg. (if any)										
Bottom Plating, No. of Strakes	1470	9	7	7		S	"	"	"	
Bilge Plating, No. of Strakes	1470	7	7	7		S	"	"	"	
Side Plating, No. of Strakes	1450	7	7	7		S	"	"	"	
Upper Deck, Sheer-strake in Wells	1470	8	8	7		S	"	"	"	
Upper Deck, Sheer-strake in Bridge										
Strake below Sheer-strake in Wells										
Strake below Sheer-strake in Bridge										
Poop Side Plating										
Bridge Side Plating		6				S	"	"	"	
Forecastle Side Plating			6			S	"	"	"	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 6

" Deck next below 0

As per Rule yes

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.		Spacing.		Scantlings.		Spacing.	
MIDSHIP BULKH'D, Upper 'tween decks									
" " Second "									
" " Third "									
" " Holds		7-6	165-50-6	500					
COLLISION " (in Hold)		7-6	100-50-7	600/500					
AFTER PEAK "		7-6	165-50-6	500					

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar			Flat plate keel	
STEM			Soft nose stem	
STERN FRAME			F 130-75 Bot	
Propeller Post				
Rudder				
Speed of Vessel			11 knots	
RUDDER—Type			Balance	
" A x D			F 84/125	
" Diam. of head				
" Mainpiece at top pintle				
" " heel				
" how constructed			EW 8-12	
" double or single plate coupling, vertical or horizontal			D	

STEEL.

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

Kon. Ned. Hoogovens } Colvilles Steel
 Dorman, Long & Co }

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

Lloyd's Register Foundation

see "Construction plan" for requirements 24 OCT 1953

EQUIPMENT No. 3083												LETTER C		ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED	Description of Anchor.	Makers.	Where and when tested, and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
73926	1st Bower	5	1	23	✓	✓	✓	7	16	1	0	270 kgs	Hall's type	Jacal PWS K. Rd	
73927	2nd "	5	1	21	✓	✓	✓	7	16	1	0	270 "	"	"	H. Phillips
	3rd "														
	Collective weight	10	3	16								540 kgs			Cradley Heath 23-12-52
73932	Stream	1	3	10	✓			1	25	4	7	0 11	90 "	Ordinary Pattern	"

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.	Ins.		Length.	Ins.	
4592	350	2 1/4	12.6	19.0	3560 kgs	2320	250	21	studl	Ad. Demanet	Gasselies, Belgium	TOWLINE	75	2 1/4	10.0	75	2 1/4	
											12-3-52 G.Z.	HAWSERS & WARPS }						
Iron-Steel Chain Steel Wire	82.5	2"	✓	0.3	✓		82.5	2"	6x12	✓								

Steering Gear, Type (Power or hand) Handhydraulic. Make: 1/4 Giessen, no: 18131 Alternative Means of Steering Blocks & tackles

ing Chains (Size and Test) ✓ Windlass Electric wood 1 motor launch
Boats 1 lifeboat

g in Holds, thickness and material 50 Teak Cargo Battens, thickness, material and spacing 50 teak 230

Hatchways. (Upper Deck) one Thickness of Hatches 70

f Hatchways No. 1 (Fwd.) 2,00 x 1,00 No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

per of Shifting Beams 1
Fore and Afters

Builder's Signature. 

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 no 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).
above 150° F. Situated in sidebunkers frame 20-31 and in side d.b.t.s in motorroom
s ship has been built under Special Survey, in conformity with the Society's Rules and
ulations and the Secretary's and Rotterdam letters. The scantlings and arrangements of the
p are as given in the report and as shown and amended on the approved plans now forwarded.
modifications or additions to the original approved arrangements made during construction
e been indicated on the plans and have been approved as being in accordance with or by
dards equivalent to the Rule requirements. Copies of the plans as approved and kept up to
by me as regards deviations or alterations, which have been approved as being equivalent
he approved arrangements, are forwarded herewith. Windlass, steering gear and auxiliary
steering gear tried to satisfaction, All tanks, W.T. bulkheads and decks tested as required
and found tight. The workmanship is good.

The amount of Entry Fee..... f - : Fees applied for, g 10-1953
27.10.53 Special Survey Fee..... f 8.25- : Received by me, 19
Travelling Expenses, if any f 140- :
State whether the Vessel has been built under Special Survey yes
Certificate sent to FRB via ROT. Date of issue 17/2/54.
I am of opinion the Vessel should be Classed 100A1
"For Service in the Indonesian Archipelago"
Signature R. J. J. J.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute THURSDAY 19 NOV 1953
Character assigned Deferred for Examination
See Dja. Rpt 8 N° 3968
0394 2/2
TUESDAY 2 FEB 1954
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.)

Sisterships: **BEACA**, built by Messrs "De Hoop", Leiden (Amsterdam district)
BOGA, " " " Stapel, Spaarndam (" ")
BAJAM, " " " Jansen, Druten (Rotterdam ")
BALAM, " " " Jonker, Staus, H.I. Ambacht (" ")
BENDALU, " " " Koopman, Dordrecht (" ")

Plans attached: Midship Section, approved 26y-52
Construction plan, " 26-7-52

For detail plans please see above sisterships, all previously commissioned.

PARTICULARS OF ELECTRIC WELDING (if employed)

All bots of shell.

Major parts of: Double bottom, motor seating, decks, bulkheads, superstructures, rudder, stern frame

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

Cruiser Stern

For Service in the Indonesian Archipelago

Partly Elec. welded

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 **3-0-24 A.E.G. 7033 Antwerp 13.11.52**
2nd " **3-1-0 " 7037 " "**
3rd " ☒

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge **33.2** ft., Forecastle **15.1** ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated Sunk Fore'sle joined to bridge

Official No. ☒ Signal Letters **P.K.A.U** Extreme Breadth over Belting (Circ. 1611) Over-all Length **125.33'** (Circ. 1703)

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

Parts of Bottom of Vessel coated with cement or approved composition

Ballast tanks: bitumastic Drinking water tanks: cement

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
side tanks Double bottom, aft, frame 7-27	32.8	9	Fore peak tank,	<input checked="" type="checkbox"/>	dry
side tanks Double bottom, under Engines and Boilers, 28-41	21.4	10	After peak tank,	<input checked="" type="checkbox"/>	dry
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, forward, 49-60	10.1	29.2	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. **201**

Date **13.5.51**

Dates of Surveys
held while building

1951 March 3-9-20-24

April 1-9-13-20-24-30

May 4-9-11-16-26

June 4-15-22-25-30

July 2-6-7-9-10-20-13-16-17-22-28

Aug. 3-5-12-18

Sep. 2-3-29

Lloyd's Register
Foundation
Total No. of Visits **38**