

STEEL STEAMER OR MOTORSHIP.

Received at London Office 11 NOV 1952

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 31st October 1952 Port of Rotterdam No. 35490 ASurvey held at Slidrecht Date First Survey 12th November 1951 Last Survey 1st September 1952On the (State if Machinery fitted Aft and Single, Twin or Triple Screw) single screw motorship "BETTER"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) full scantling State Type of Erections forecastle & bridgeTONNAGE under Tonnage Deck ... 137.43Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓Gross Tonnage 194.34Net Tonnage 75.55

REGISTERED DIMENSIONS.

Length 117.8
Breadth 21.4
Depth 7.8CLASS in Indonesian Archipelago State if with freeboard as condition of Class ✓Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 35.00Breadth (greatest moulded) 6.50Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 2.4591st Longitudinal Number (L x D) ✓2nd Numeral L x (B + D) ✓Framing Depth "d," at middle of length. See Sec. 3 (1d) 2.25Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.8Do. Long Bridge to top of keel ✓Draught Moulded 1.947 MTR 6' 4 5/8"Built at SlidrechtLaunched 20th May 1952 Yard No. 20.182Builders N.V. Scheepshouwerij & Mach. Fabr. De KlopOwners Indonesian GovernmentManagers ✓
(Where necessary to be entered in Reg. Book)Residence DjakartaPort of Registry DjakartaIf surveyed while building, afloat, or in dry dock building

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	500	✓	Bracket Floors, Frame	✓	
" " from $\frac{3}{4}$ length amidships to Collision bulkhead	500	✓	" " Reversed Frame	✓	
" " in peaks	450	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	700 7	✓
Frame Amidships, Angle, <u>C</u> or <u>C</u>	475 65 $\frac{8}{7\frac{1}{2}}$	✓	" " top Angles	EW	✓
" " Extends up to	main deck	✓	" " bottom Angles	EW	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	horizontal 6	✓
Depth of Framing Girder	75	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, <u>C</u> or <u>C</u>	✓		" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	✓	
" " Second 'tween Decks, Angle, <u>C</u> or <u>C</u>	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area	✓	
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	475 65 $7\frac{1}{2}$	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
" " in Peaks, Angle or <u>C</u>	475 65 $8\frac{1}{2}$	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	16mm 7 dia.	✓	Breadth and thickness of Middle Line Strake	6	✓
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?	as approved	✓	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	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	as approved	✓	BEAMS.		
SINGLE BOTTOM. <u>forward</u>			Uppermost Continuous Deck, amidships in Wells, Angle, <u>C</u> or <u>C</u>	175 50 7	✓
Floors, Depth and thickness at mid-line in Holds	900/440 6	✓	" " in way of Bridge, Angle, <u>C</u> or <u>C</u>	175 50 7	✓
Height of Brackets at side above base line at toe of frame	✓		Spacing	every frame	✓
Middle Line Keelson, on Floors, Angles, <u>C</u> or <u>C</u>	✓		Second Deck, amidships, Angle, <u>C</u> or <u>C</u>	✓	
" " Through Plate or Inter-costal Plate	6	✓	Spacing	✓	
" " Foundation Plate on Floors	100 6	✓	Third Deck, amidships, Angle, <u>C</u> or <u>C</u>	✓	
" " Flat Plate Keel Angles	EW	✓	Spacing	✓	
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, <u>C</u> or <u>C</u>	✓	
" " thickness of Inter-costal Plate	✓		Spacing	✓	
" " Angles	✓		Poop Deck, Angle, <u>C</u> or <u>C</u>	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	6 every frame	✓	Bridge Deck, Angle, <u>C</u> or <u>C</u>	175 50 6	✓
" " Are Frame and Reversed Frame joggled?	✓		Spacing	every frame	✓
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, <u>C</u> or <u>C</u>	175 50 6	✓
" " breadth and thickness at margin plate	✓		Spacing	every frame	✓

PILLARS AND DECKS.			
	AS IN SHIP.	Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows	one		
in bridgespace	43 pipe		
in 'tween Decks, Size and Spacing	max dist. 2000		
in Holds	75 pipe		
in 'tween Holds	max dist. 2000		
Centre Line Bulkhead.			
Stiffeners and Spacing			
Plating, thickness of			
STRINGERS AND DECKS.			
Uppermost Continuous Deck.			
Stringer Plate, breadth and thickness in Wells	1410 x 8		
in way of Bridge	1450 x 8		
Angle in Wells	47.5-75.8		
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	50mm teak		
Second Deck.			
Stringer Plate, breadth and thickness in Wells			
Stringer Plate, breadth 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	1000 x 6		
Plating, Sheathing, material and thickness	5. teak 50		
Forecastle Deck.			
Stringer Plate, breadth and thickness	6		
Plating, Sheathing, material and thickness	6		

SHELL PLATING.											
SCANTLINGS.				RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.				BUTTS.	
	AMIDSHIPS.		AFT.			RIVETS.		RIVETS.			
	Breadth.	Thickness.	Breadth.	Thickness.		Single or Double.	Diam.	Spacing cr. to cr.	Single or Double.		Diam.
Flat Plate Keel	920	16	16	10		double	16	62 1/2			
" Dblg. (if any)											
Bottom Plating, No. of Strakes	1480	8	7-10	7		single	16	62 1/2			
Bilge Plating, No. of Strakes	1270	7	7	7			16	62 1/2			
Side Plating, No. of Strakes											
Upper Deck, Sheer-strake in Wells	1470	8	8	7	12 1/2 at break	single	16	62 1/2	EW		
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			EW					
Forecastle Side Plating			6			EW					

WATERTIGHT BULKHEADS.				FORGINGS AND CASTINGS.			
Total No. of W.T. BULKHEADS in Vessel—				Casting or Forging.			
Extending to Upper Deck (Sec. 3 c)				Scantlings.			
Deck next below				Maker's Name.			
As per Rule				Any Departure from Approved Plans to be Noted.			
6							
4							
STIFFENERS.							
VERTICAL.				HORIZONTAL.			
Plating Thickness.				Scantlings.			
Spacing.				Spacing.			
MIDSHIP BULKH'D, Upper 'tween decks							
" " Second							
" " Third							
" " Holds	7-6	165.50.6	max 500				
COLLISION (in Hold)	7-6	100.50.7	600				
AFTER PEAK	22-6	165.50.6 1/2	530				
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)							
Kon. Ned. Hoogovens & Staalfabrieken. Appleby, Fradingham, Dorman Long, Baid's & Scottish Steel.							
Has the Steel been tested as required by the Rules? yes							

EQUIPMENT No. 3883				LETTER 6				ANCHORS.																															
Number of Certificate.				Anchors.				Description of Anchor.																															
Weight, Ex. Stock.				Weight of Stock.				Test, Per Certificate.																															
Weight Required by 2400-55.				Description of Anchor.				Makers.																															
71908	1st Bower	5	2.2	5	2.2	7	16	1	0	5-1-7	Hall-type	Hingley	LPCH. Dec. '51. H. Phillips																										
71912	2nd "	5	1.22	5	1.22	7	16	1	0	5-1-7	"	"	LPCH.																										
71579	Stream	1	1.16	1	1.16	13	3	18	3	1-2-12 (see London letter 28-52)	"	Hingley	LPCH. 1951. H. Phillips																										
CHAIN CABLES.												HAWSERS AND WARPS.																											
Number of Certificate.				Length and size supplied.				Test per Certificate.				Weight of Chain Cable.																											
Length, Diam.				Tons, lbs.				Supplied.				Per Rule.																											
2234	152	2 1/2	12.5	18.75	2.931 kg	2.320 kg	250	20 1/2	schlink	Schlieper	Sigiswar, Jan '52	TOWLINE	137	2 1/4	10.8	7.5	2 1/4																						
Steering Gear, Type (Power or hand)												hand hydraulic (Hyland)				Alternative Means of Steering tiller and blocks																							
Steering Chains (Size and Test)																Windlass electric				Boats 2 (wood)																			
Ceiling in Holds, thickness and material												40 mm teak				Cargo Battens, thickness, material and spacing				40 pine. 100																			
Cargo Hatchways—(Upper Deck)												two, built up from plate and sections				Thickness of Hatches				6 steel. 60 wood																			
Size of Hatchways No. 1 (Fwd.)												1200 x 1200				No. 2				2000 x 1800				No. 3				No. 4				No. 5				No. 6			
Number of Shifting Beams and/or Fore and Afters												one fore & after																											
Builder's Signature												N.V. Scheepbouw & Machinefabr. „De Klop“				SLIEDRECHT				H. de Klop																			

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.			
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 report 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 hoist 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, 28th August 1952. Bottom, stern frame and rudder found in good condition and recoated.			
The amount of Entry Fee		£ 750.-	
Special Survey Fee		£ :	
Travelling Expenses, if any		£ 33.50	
Fees applied for		7/11/1952	
Received by me,		19	
I am of opinion the Vessel should be Classed		+100 A1	
for service in		Indonesian Archipelago	
State whether the Vessel has been built under Special Survey		yes	
Certificate to be sent to		Roth	
Date of issue		24/1/53.	
Committee's Minute		TUES. 6 JAN 1953	
Character assigned		+100A1 For Service in The Indonesian Archipelago	
		10.52 Sja	
		Lloyds A & C.P.	
		+LMC 9.52 Oil Eng.	
		CL	
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: BANGO de Klop CO 180
BEO " " CO 181
BABUT L. Smit CO 179

Approved plans: Midshipsection 20-11-51 R'dam office
Profile and Decks 20-11-51 " "
Shellplating 23-11-51 London
Doublebottom 14-11-51 R'dam
Alteration engine foundation 29-11-51 " "
WT bulkheads 15-10-51 " "
O F bunkers 27-11-51 " "
Forepeak 27-11-51 " "
Rudder and sternframe 24-10-51 London

Certificates attached:

Rudderhead
Sternframe
Steeringgear
Rudder/Flanges
Boatdavits

PARTICULARS OF ELECTRIC WELDING (if employed)

Doublebottom structure, Tanktop, WT bulkheads, Decks, Butts of shellplating, seams of forecastle and bridge-sideplating, Sternframe, Rudder, Deckhouses, Engine seat.

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

Cruiserstern, 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 3-3-15 AEG 5574 25-10-51

2nd " 3-3-17 AEG 5578 25-10-51

3rd " 48'

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

(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 PKA Q 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, singlebottom, and dry tanks covered with bitumastic. freshwater tanks cementwashed. O F 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.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, 25	13.1	8.76	Fore peak tank, dry tank		
Double bottom, under Engines and Boilers, abrest			After peak tank, "		
Double bottom, if under Engines only, O F or ballast	19.7	16.90	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward, 30	18.0	13.51	Other tanks, if fitted, O F only.		
Total length (if continuous) and Capacity	78.7	39.17	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 1121

Date 8-10-51

Dates of Surveys held while building

1951 Nov. 12

1952 Jan. 16. 22. Febr. 20. 27. March 5-13. 19. April 2. 11. 15. 28. May 8. 13. 20. 29.

June 23. July 23. 28. Aug. 1. 7. 25. 28. Sept. 1.

Total No. of Visits 24

For S.S.O.F. see main ship BEO. yd No. Co. 181.