

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

Survey held at Hendrik Ids Ambacht Date First Survey 26-2-'52 Last Survey 11-7- 1953

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full scantling* State Type of Erections *F+ Bridge*

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 35.00

Breadth (greatest moulded) B 6.50

Launched 17-12-52 Yard No. 270

Builder J. & S. H. 200

Depth, at middle of length from top of keel to top

Net Tonnage 194.34 deck. See Sec. 3 (1c) Owners Indonesian Government

ster Tonnage 33.55
 Longitudinal Number (L x D)
 2nd Number (D x D)
 Managers
 (Where necessary to be entered in Red Book)

REGISTERED DIMENSIONS. Framing Depth "d," at middle of length. See } Residence

1178 (3590m) Proportions—Depth to Length—Uppermost continuous deck to top of keel } 1/11.83 Port of Registry Djakarta

Do. Long Bridge to } — If surveyed while building, afloat, or in dry dock

h L 7.8 (2.34^m) Draught Moulded 6'-4⁵/₈" while building

FRAMES, DOUBLE BOTTOM AND BEAMS.

	mm INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	mm INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	500	✓	Bracket Floors, Frame	—
" " from $\frac{1}{2}$ length amidships to Collision bulkhead.....	500	✓	" " Reversed Frame.....	—
" " in peaks	450	✓	" " Vertical Struts	—
SIDE FRAMING. ✓			Centre Girder, depth and thickness amidships	700/900 ✓
Frame Amidships, Angle, E or F	100 65 85 75.65.7/8	✓	" " top Angles	ew ✓
" " Extends up to.....	freeb. deck	✓	" " bottom Angles.....	ew ✓
Reversed Frame Amidships, Angle.....	7 flange 65	✓	Side Girders, No. each side and thickness.....	—
" " Extends up to.....	freeb. deck	✓	Margin Plate depth (excl. of flange) and " " thickness	hor. ✓
Depth of Framing Girder.....	250	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	frames passing through plate ✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or [.....	—	✓	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	—
" " Second 'tween Decks, Angle, [or [.....	—	✓	" " 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	100 65 85 75.65.75	✓	Tank Side Brackets, height above base line at toe of Frame and thickness }	—
" in Peaks, Angle or F	100 65 85 75.65.85	✓	INNER BOTTOM PLATING.	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	5/8 7D	✓	Breadth and thickness of Middle Line Strake...	7 6
State if Frame Joggled.....	no	✓	Thickness of remainder in Holds	7 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 regard- ing 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 ?.....	yes	✓	BEAMS.	
SINGLE BOTTOM. <i>found</i>			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	75 55 65 75.50.7
Floors, Depth and thickness at mid-line in Holds.....	900/940 6	✓	" " in way of Bridge, Angle, E or F	75 55 65 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	6	✓	Spacing	—
" " " Foundation Plate on <i>between</i> Floors	100 6	✓	Third Deck, amidships, Angle, [or [.....	—
" " " Flat Plate Keel Angles	ew	✓	Spacing.....	—
Side Keelsons, No. each side.....	—	✓	Fourth Deck, amidships, Angle, [or [.....	—
" " thickness of Intercostal Plate...	—	✓	Spacing.....	—
" " Angles	—	✓	Poop Deck, Angle, [or [.....	—
DOUBLE BOTTOM.			Spacing.....	—
Solid Floors, thickness and spacing	6 500	✓	Bridge Deck, Angle, E or F	75 50 65 75.50.6
" " Are Frame and Reversed Frame joggled ?	—	✓	Spacing.....	500
Bracket Floors, breadth and thickness at middle line	—	✓	Forecastle Deck, Angle, E or F	75 50 65 75.50.6
" " breadth and thickness at margin plate.....	—	✓	Spacing.....	500/450

PILLARS AND DECKS.

	mm INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	mm INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	Number Certificates
PILLARS, No. of Rows	one	/			348
" Bridge space in between Decks, Size and Spacing	tube φ 60 / 1/3 2000	/			349
" " " " "	-				349
" in Holds " " "	tube φ 75 / 59 2000	/			Number Certificate
" " " " "	-				227
Centre Line Bulkhead. Stiffeners and Spacing	-				
Plating, thickness of	-				
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells	1410	8	/		Iron Str Chain Steel V
" " " " in way of Bridge	7	/			Steeri
" Angle in Wells	75 75 85	8	/		Steeri
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.....	teak	50	/		
Second Deck.					
Stringer Plate, breadth and thickness in Wells	-				
Stringer Plate, breadth and thickness in way } of Bridge					
Thickness of Plating abreast Deck openings } in way of Wells					
Thickness of Plating abreast Deck openings } 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.....	950	6	/		
Plating, Sheathing, material and thickness ...	5 teak	50	/		
Forecastle Deck.					
Stringer Plate, breadth and thickness.....	6	/			
Plating, Sheathing, material and thickness...	6 teak	50	/		

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>yes, exc. Keel</i>			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.	
	Inches. <i>mm</i>	Inches. <i>mm</i>	Inches. <i>mm</i>	Inches. <i>mm</i>		Inches. <i>mm</i>	Inches. <i>mm</i>		Inches.	Inches.		
Flat Plate Keel.....	920	16	16	10	—	D	5/8	63	ew	✓		
„ Dblg. (if any)	—	—	—	—								
Bottom Plating, No. of Strakes	A 1500	9	7	7	✓	\$	5/8	63	ew	✓		
Bilge Plating, No. of Strakes	B 1500	7 1/2	7	7	7-7-7 ✓	\$	5/8	63	ew	✓		
Side Plating, No. of Strakes												
Upper Deck, Sheer- strake in Wells.....	D 1450	8	12 1/2	7	8-12-7 ✓	\$	5/8	63	ew	✓		
Upper Deck, Sheer- strake in Bridge ...	D 1450		8	—	12-8	\$	5/8	63	ew	✓		
Strake below Sheer- strake in Wells.....	E 1300	7	7	7	✓	\$	5/8	63	ew	✓		
Strake below Sheer- strake in Bridge ...	F —	7	7	—	✓	\$	5/8	63	ew	✓		
Poop Side Plating.....	—	—	—	—								
Bridge Side Plating.....	—	6	6	—		ew	—	—	ew	✓		
Forecastle Side Plating	—	6	6	—	✓	ew	—	—	ew	✓		

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c).....	5
„ Deck next below.....	—
As per Rule.....	4

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	—	—	—	
STEM	—	plate 9/16 yard	—	
STERN FRAME	Propeller Post	F 130 x 65 deforg	—	
	Rudder	—	—	
Speed of Vessel	10 3/4 knots	—	—	
RUDDER—Type	balanced with bottom	—	—	
„ A x D	21.01	—	—	
„ Diam. of head	F 125/84 deforg	—	—	
„ Mainpiece at top pintle	—	—	—	
„ „ heel	90	deforg	—	
„ how constructed	EW	„	—	
„ double or single plate	D	8	„	
„ coupling, vertical or	H	„	„	
„ horizontal	—	—	—	

			Plating Thickness.	STIFFENERS.				
				VERTICAL.		HORIZONTAL.		
				Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper 'tween decks								
"	"	Second	fr. 27	7-6	5.65	50.65	500	—
"	"	Third	" 42	7-6	5.65	50.65	500	—
"	"	Holds	60	7-6	5.65	50.65	480	—
COLLISION	"	(in Hold)	66	7-6	5.100	50.7	600	chain locker
AFTER PEAK	"	"	7	22-6	5.65	50.65	550	flat 65 x 6

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>Open hearth process</i>
	<i>Plates: Hüttenwerk Oberhausen A.G.; Hütten Union A.G.</i>
	<i>Sections: Hüttenwerk Oberhausen A.G.; Hütten Union A.G.</i>
	Has the Steel been tested as required by the Rules? <i>yes</i>

HAWSERS AND WARPS.

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.)

Sister vessel of m.v. "BANCO", "BED", "BETTET", "BARBUT". *)

Construction plan
Midship section, etc.

20-11-'51

20-11-'51

approved at Rot. off
(see R'dam Ship letter
dated 2-4-'52)

forepeak, etc.
Watertight bulkheads
oil bunkers

27-11-'51

15-10-'51

27-11-'51

approved at Rot. off
(see R'dam Ship letter
dated 2-4-'52)

*) with 1 watertight bulkhead less (see bld on fr. 17)

Certificates attached:

Stern frame cert: N° 11206, Rotterdam 19-3-'52

Rudder cert: N° 14283, 9-12-'52

Steering gear " C19074, Leeds 9-10-'52

Savit cert: " 12147, Rotterdam 5-6-'52

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of shell plating; butts and seams of decks; double bottom
bulkheads with stiffeners; engine seat; stern frame and rudder;
stem; beams; main deck to shell in way of superstructure.

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

Cruiser stern
Part e.w.

RADAR Equipment (State if 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 185 kg; 3Q; Dortmund cert. N° 3199; 12-5-'52
2nd " 185 " ; 1Q; " " N° 3200; 12-5-'52
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

F + Bridge Combined

Official No. — Signal Letters PKAT Extreme Breadth over Belting — Over-all Length 125.3
(Circ. 1611) (Circ. 1703)

No. and Material of Decks — rest steel deck

Parts of Bottom of Vessel coated with cement or approved composition waterballast tanks of double bottom
with bitumastic; oil fuel tanks oiled; Cofferdams, etc with bitumastic

Particulars of composition (if fitted) and of approval fore-and afterpeak with 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.
Double bottom, aft,	13.1	8.76	Fore peak tank,	—	—
Double bottom, under Engines and Boilers,	—	—	After peak tank,	—	—
Double bottom, if under Engines only, o.f. or ball:	19.7	16.90	Deep tank, aft, f.w. m.d.b. 26.03 m ³	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward, 42-60	18.0	13.51	Other tanks, if fitted, oil fuel only 107 m ³	—	—
Total length (if continuous) and Capacity.	78.7	39.17	(If necessary furnish further information by sketch.)	—	—

Order for Special Survey No. 1154

Date 12-4-'52

Dates of Surveys
held while building

1952: 26-2; 27-3; 29-4; 18, 19, 26, 27-9; 14, 20, 29-10;
6, 25, 27-11; 1, 4, 9, 15, 17-12.
1953: 6, 23-1; 16-2; 6, 12-3; 30-4; 13, 15, 22, 23, 26-5
11-6; 11-7.

Total No. of Visits 31

Lloyd's Register
Foundation