

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Ship's Name BLEKOK.	Official Number	Nationality and Port of Registry INDONESIAN DJAKARTA.	Gross Tonnage 250	Date of Build 1952.	Port of Survey Djakarta
Moulded Dimensions: Length 35.00 M Breadth 6.50 M Depth 2.959 M					Date of Survey January 1953
Moulded displacement at moulded draught = 85 per cent. of moulded depth 360 M³ tons					Surveyor's Signature J. H. J. J.
Coefficient of fineness for use with Tables .68 (ACTUAL .629)					Particulars of Classification +100 A1. "For service in Indonesian Archipelago"

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth 2959	(a) Where D is greater than Table depth (D—Table depth) R = 8.33 (2496 - 2.334) 8838 + 49 mm	Moulded Breadth (B) 6500.
Stringer plate 8	(b) Where D is less than Table depth (if allowed) (Table depth—D) R = .662	Standard Round of Beam = $\frac{B \times 12}{50} = 130$
Sheathing on exposed deck 50		Ship's Round of Beam = 130
$T \left(\frac{L-S}{L} \right) = 50 \times \frac{20.45}{35} = 29$		Difference NIL.
Depth for Freeboard (D) = 2996	If restricted by superstructures	Restricted to
		Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) = \text{NIL.}$

DEDUCTION FOR SUPERSTRUCTURES

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed	10000	10000	2100	—	10000
" overhang aft			+21		
" overhang forward					
Fore enclosed	3650	3650	1800	1.771	3.532
" overhang			-29 W.O.D.	1.83	
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total	13.650	13.650			13.532

Standard Height of Superstructure **1830 mm**

" " R.Q.D. **—**

Deduction for complete superstructure **444 mm**

Percentage covered $\frac{S}{L} = 39.00$

" " $\frac{S_1}{L} = 38.67$

Percentage from Table, Line A. **22.37**

(corrected for absence of forecastle (if required))

Percentage from Table, Line B. **—**

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = **2237 x 444 = -99 mm**

SHEER CORRECTION

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	546	1	546	400	400	400	1	400	400
$\frac{1}{2}L$ from A.P.	243	4	972	145	145	145	4	580	580
$\frac{2}{3}L$ "	61	2	122	11	11	11	2	22	22
Amidships	0	4	0	0	0	0	4	0	0
$\frac{2}{3}L$ from F.P.	121	2	242	134	121	121	2	242	242
$\frac{1}{2}L$ "	485	4	1940	481	487	487	4	1948	1948
F.P.	1091	1	1091	1091	1095	1095	1	1095	1095
Total			4913					4287	

Mean actual sheer aft = **59.54**

Mean standard sheer aft = **61.3**

Mean actual sheer forward = **EXCESS.**

Mean standard sheer forward = **—**

Length of enclosed superstructure forward of amidships = **DEFICIENT**

" " aft of " = **SHEER.**

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{626}{18} \times (.75 - .195) = +19 \text{ mm.}$

If limited on account of midship superstructure. **1555** If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

Deduction for Tropical Freeboard	Deduction for Fresh Water	TABULAR FREEBOARD corrected for Flush Deck (if required)
Addition for Winter and Winter North Atlantic Freeboard	Displacement in salt water at Summer load water line	Correction for coefficient NIL
Depth to Freeboard Deck = 3017	$\Delta = 276 \text{ tons}$	Depth Correction
Summer freeboard = 1020	Tons per inch immersion at Summer load water line	Deduction for superstructures
Moulded draught (d) = 1997	$T = 1.77$	Sheer correction
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{48} \text{ inches} = 4 \text{ cm.}$	Deduction = $\frac{\Delta}{40T} \text{ inches} = 4 \text{ cm}$	Round of Beam correction
Addition for Winter North Atlantic Freeboard (if required) =		Correction for Thickness of Deck amidships
		Other corrections, scantlings, etc.
		corrected to a Summer Moulded draught of 1.997 M (ACTUAL 1.997)
		Summer Freeboard = 1020

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: **102 cm FOR SERVICE ONLY**

Tropical Fresh Water Line above Centre of Disc 8 cm	Tropical Fresh Water Freeboard 94 cm
Fresh Water Line 4 "	Fresh Water 98 "
Tropical Line 4 "	Tropical 98 "
Winter Line below NOT ASSIGNED	Winter NOT ASSIGNED
Winter North Atlantic Line NOT ASSIGNED	Winter North Atlantic NOT ASSIGNED

9.4.1953

Blekok.

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

Displacement in salt water 279.5 tons (of 1000 kg) at draught 2000 m.m.
" " " " 371.3 " " " " " 2500 m.m.
" " " " 468. " " " " " 3000 m.m.

Service trim 300 m.m.

Moulded draught forward 1830 m.m.

" " aft 2130 m.m.

Shear measured from line parallel to service waterline.

Trade of ship

Indonesian Archipelago

Names of sister ships

Dango, Dec, Rabut, Bettet, Samudera

Builder's name and yard number

Gebr. Niesten & Co Delfzijl

Owners

Indonesian Government (Djawata Pelajaran)

Fee £



© 2021

Lloyd's Register
Foundation