

LLOYD'S REGISTER OF SHIPPING
UNITED WITH THE BRITISH CORPORATION REGISTER
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name: Scheepswerf "Kraaier", Zaandam
Yard Number: 1168
Nationality and Port of Registry: Netherlands
Gross Tonnage: 1107.5 M³
Date of Build:
Port of Survey:
Date of Survey: 12.8.55.
Surveyor's Signature:
Particulars of Classification:
Moulded Dimensions: Length 52.0 Breadth 8.80 Depth 4.00
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) 1107.5 M³
Coefficient of fineness for use with Tables .7124

DEPTH FOR FREEBOARD (D).
Moulded depth ... 4.00
Stringer plate011
Sheathing on exposed deck
T(L-S)/L =
Depth for Freeboard (D) = 4.011
DEPTH CORRECTION.
(a) Where D is greater than Table depth (D-Table depth) R = 8.33(4.011-3.467)13.13 = +60 m.
(b) Where D is less than Table depth (if allowed) (Table depth-D) R =
If restricted by superstructures
ROUND OF BEAM CORRECTION.
Moulded Breadth (B) 8.8
Standard Round of Beam = B x 100 / 50 = 176
Ship's Round of Beam = 180
Difference 4
Restricted to
Correction = Diff / 4 x (1 - S/L) = 4 / 4 (1 - .3813) = -1m.

DEDUCTION FOR SUPERSTRUCTURES.
Standard Height of Superstructure 1830 mm
R.Q.D.
Deduction for complete superstructure 586
Percentage covered S/L = .3971
S/L =)
E/L =) .3813
Percentage from Table, Line A. 21.91
(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 = .2191 x 436 = 128
Mean Covered Length (S) Equivalent Enclosed Length (S) Height Height Correction Effective Length (E)
Poop enclosed 12.65 12.650 2.10 12.650
" overhang 1.10 .550 " .550
R.Q.D. enclosed
" overhang
Bridge enclosed
" overhang aft
" overhang forward
F'cle enclosed 6.35 6.350 1.90 6.350
" overhang .55 .275 " .275
Trunk aft
" forward
Tonnage opening aft
" " forward
Total 20.65 19.825 19.825

SHEER CORRECTION.
Station Standard Ordinate S M Product Actual Ordinate Effective Ordinate S M Product
A.P. 687 1 687 700 700 1 700
1/4 L from A.P. 305 4 1220 310 310 4 1240
2/4 L 76 2 152 77 77 2 154
Amidships 0 4 0 0 0 4 0
3/4 L from F.P. 153 2 306 154 154 2 308
1/4 L 611 4 2444 620 620 4 2480
F.P. 1374 1 1374 1400 1400 1 1400
Total 6183 6282
Mean actual sheer aft 71.0
Mean standard sheer aft =
Mean actual sheer forward 71.0
Mean standard sheer forward =
Length of enclosed superstructure forward of amidships =
aft of =
Correction = Difference between sums of products (.75 - S/2L) = 99 / 18 (.75 - .1985) = -3
If limited on account of midship superstructure. nil
If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.
Depth to Freeboard Deck = 4.011
Summer freeboard = .41
Moulded draught (d) = 3.601
Keel allowance =
Extreme draught =
Deduction for Tropical freeboard and addition for
Winter freeboard = d inches =
Addition for Winter North Atlantic Freeboard (if required) =
Deduction for Fresh Water.
Displacement in salt water at summer load water line
Tons per inch immersion at summer load water line
T =
Deduction = 40 T inches =
TABULAR FREEBOARD corrected for Flush Deck (if required)
Correction for coefficient .68 + .712 = 1.392 / 1.36 = 1.36
Depth Correction ... 60
Deduction for superstructures ... 128
Sheer correction ... 1
Round of Beam correction ...
Correction for Thickness of Deck amidships ...
Other corrections, scantlings, etc. ...
Summer Freeboard = 409 = 41 cm.

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-
Tropical Fresh Water Line above Centre of Disc
Fresh Water Line
Tropical Line
Winter Line below
Winter North Atlantic Line
Tropical Fresh Water Freeboard
Fresh Water
Tropical
Winter
Winter North Atlantic