

11. Lloyd's Register of Shipping. SURVEYS FOR FREEBOARD.

Index. No. 30845 (For London Office only.)

Computation of Freeboard for Steamer, Sailing Ship, Tanker

Port of Survey

Date of Survey 3-12-32

Name of Surveyor

Particulars of Classification +100A1.

(Type of Superstructures.)

Ship's Name

Nationality and Port of Registry Estonian Kasumu

Official Number

746

Gross Tonnage

1365

Date of Build

1923

Moulded Dimensions: Length 234.25' Breadth 35.33' Depth 18.58' Moulded displacement at moulded draught = 85 per cent. of moulded depth 2835 tons Efficient of fineness for use with Tables 759

Depth for Freeboard (D)

depth ...

plate ...

on exposed deck (L-S)/L =

Depth for Freeboard (D) = 18.62'

Depth correction

(a) Where D is greater than Table depth (D-Table depth) R = +5.41"

(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)

Standard Round of Beam = B x 12 / 50 =

Ship's Round of Beam =

Difference

Restricted to

Correction = Diff / 4 x (1 - S1/L) = -0.04"

DEDUCTION FOR SUPERSTRUCTURES.

Standard Height of Superstructure

" " R.Q.D. 29.42"

Deduction for complete superstructure

Percentage covered S/L =

" " S1/L =

" " E/L = 69.91%

Percentage from Table, Line A.

(corrected for absence of forecastle (if required))

Percentage from Table, Line B. Timber 81.45%

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = 29.42 x 81.45 = -23.96"

SHEER CORRECTION.

on	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
...		1				1	
A.P. ...		4				4	
...		2				2	
S ...		4				4	
F.P. ...		2				2	
...		4				4	
...		1				1	
tal ...							

Mean actual sheer aft = Mean standard sheer aft =

Mean actual sheer forward = Mean standard sheer forward =

Length of enclosed superstructure forward of amidships = L

" " aft of " =

Correction = Difference between sums of products / 18 (75 - S/2L) = -0.65"

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

on for Tropical Freeboard.

n for Winter and Winter North tic Freeboard.

Depth to Freeboard Deck = Ft. 18.62'

Summer freeboard = 99'

Moulded draught (d) = 17.63'

for Tropical freeboard and addition for

er freeboard = d/4 inches = 4.41" = 112 1/2"

for Winter North Atlantic Freeboard (if ad) = d/3 = 5.88" = 149 1/2"

Deduction for Fresh Water.

Displacement in salt water at summer load water line

Delta =

Tons per inch immersion at summer load water line

T =

Deduction = Delta / 40 T inches = 112 1/2"

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

Depth Correction ...

Deduction for superstructures ...

Sheer correction ...

Round of Beam correction ...

Correction for Thickness of Deck amidships ...

Other corrections, scantlings, etc. ...

+	-
5.41	-
-	23.96
-	.65
-	.04
-	-
-	-
5.41	24.65

Summer Freeboard = 11.72" = 298 1/2"

30.96

j.m.h.

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: - 298 1/2"

Timber Tropical Fresh Water Line above Centre of Disc ... 371 1/2"

" Fresh Water Line " " ... 259 1/2"

" Tropical Line " " ... 259 1/2"

" Winter Line below " " ... 2 1/2"

" Winter North Atlantic Line " " ... 152 1/2"

" Summer Line above center of disc. 147 1/2"

Tropical Fresh Water Freeboard ... 74 1/2"

" Fresh Water " " ... 186 1/2"

" Tropical " " ... 186 1/2"

" Winter " " ... 447 1/2"

" Winter North Atlantic " " ... 559 1/2"

298 1/2"

74 1/2"

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559 1/2"

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