

Rpt. C.11 (Comp.)

For LONDON OFFICE ONLY

Received 17 FEB 1954

Index No.

Govt. Copy

Owners C11

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

(COMPUTATION FOR ~~STEAMER~~, SAILING SHIP, TANKER)

Ship's Name "SALAMIS" M.V.	Official Number	Nationality and Port of Registry NORWEGIAN OSLO	Gross Tonnage 12826	Date of Build 1954	Port of Survey ANTWERP.
Moulded Dimensions: Length 167.231 ✓ Breadth 21.336 ✓ Depth 12.116 ✓					Date of Survey WHILE BUILDING.
Freeboard Length 167.231 ✓					Surveyor's Signature <i>H.C. Young</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) 10,2986 28,670 ✓ ENG. tons					Particulars of Classification + 100 A.1.
Coefficient of fineness for use with Tables .773 ✓					CARRYING PETROLEUM IN BULK. ✓ CLASS CONTEMPLATED.

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth ...	12.116 ✓	(a) Where D is greater than Table depth (D - Table depth) R =	8.33(12.140 - 11.149)30 = +248%	Moulded Breadth (B)	21.336 ✓
Stringer plate ...	23.5 ✓	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =		Standard Round of Beam = $\frac{B \times \#}{50}$	427 ✓
Wood Sheathing on exposed deck				Ship's Round of Beam	445 ✓
$T \left(\frac{L-S}{L} \right) =$	<i>none</i>			Difference	18 ✓
Depth for Freeboard (D) =	12.140 ✓	If restricted by superstructures	✓	Restricted to	
				Correction = $\frac{\text{Diff}^\circ}{4} \times \left(1 - \frac{S_1}{L}\right)$	= $\frac{18}{4} \times 6231 = -3\%$ ✓

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed EQUIV...	35.978	35.978	2.440	-	35.978
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed EQUIV...	13.682	13.682	2.440	-	13.682
" overhang aft ...					
" overhang forward ...					
F'cle enclosed EQUIV...	13.378	13.378	2.286	-	13.378
" overhang ...					
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" " forward ...					
Total ...	63.038	63.038			63.038

Standard Height of Superstructure **2.290**

" " R.Q.D.

Deduction for complete superstructure **1067%**

Percentage covered $\frac{S}{L} =$ } **37.69**

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

" " $\frac{E}{L} =$ }

Percentage from Table, Line A. TANKER **28.69**
(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 = **1067 x .2869 = -306%** ✓

SHEER CORRECTION.

Station	Standard Ordinate	S	Product	Actual Ordinate	Effective Ordinate	S	Product
A.P. ...	1647	✓1	1647	1160	1160	1	1160
$\frac{1}{2}$ L from A.P. ...	732	✓4	2928	126	126	4	504
$\frac{2}{3}$ L " ...	183	✓2	366	0	—	2	—
Amidships ...	0	4	0	0	0	4	0
$\frac{2}{3}$ L from F.P. ...	366	✓2	732	0	—	2	—
$\frac{1}{2}$ L " ...	1464	✓4	5856	336	336	4	1344
F.P. ...	3294	✓1	3294	2257	2257	1	2257
Total ...			14823				5265

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{9558}{18} \left(.75 - \frac{.1885}{2} \right) = +298\%$ ✓

If limited on account of midship superstructure. ✓

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. ✓

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = **39.83** Ft.

Summer freeboard = **9.54**

Moulded draught (d) = **30.29**

Keel allowance =

Extreme draught =

Deduction for Tropical freeboard and addition for =

Winter freeboard = $\frac{d}{4}$ inches = **7.57 = 7½"**

Addition for Winter North Atlantic Freeboard (if required) = **7.57 + 5.49 = 13.06 = 13"**

Deduction for Fresh Water.

SEE OVER.

Displacement in salt water at summer load water line

$\Delta = 25440$

Tons per inch immersion at summer load water line

T = **79.8**

Deduction = $\frac{\Delta}{40 T}$ inches

= **7.97"**

= **8"**

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient $\frac{.773 + .68}{1.36} = \frac{1.453}{1.36}$ ✓

	+	-
Depth Correction	248	—
Deduction for superstructures	—	306
Sheer correction	298	—
Round of Beam correction	—	3
Correction for Thickness of Deck amidships	—	—
Other corrections, scantlings, etc.	—	—
	546	309

Summer Freeboard = **2905 = 114.38"**

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~ Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc	15½"	393%	Tropical Fresh Water Freeboard	8' - 3"	2515"
Fresh Water Line	8"	203%	"	8' - 10½"	2705"
Tropical Line	7½"	190%	"	8' - 11"	2718"
Winter Line below	7½"	190%	"	10' - 2"	3098"
Winter North Atlantic Line	13"	330%	"	10' - 7½"	3238"

Salamis.

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.

COEFFICIENT OF FINENESS = $\frac{35 \times 28,670}{548.5 \times 70 \times 39.75 \times .85} = .773$

	EXTREME Δ IN SALT WATER.	T. P. 1"
1'-0" ABOVE	26,434 ENG. TONS.	79.8
30'-4" LWL	25 480 " "	79.8
1'-0" BELOW.	24 528 " "	79.3

POOP.

Length at side 34.671 ✓
 $+ \frac{2}{3} \times 1.961$ ✓
 Equiv. length 35.978 ✓

BRIDGE.

Length at side 13.318 ✓
 $+ \frac{2}{3} \times 1.149$ ✓
 $\frac{.766}{14.084 \times 20.726}$ ✓
 21.336 ✓
 Equiv. length = 13.682 ✓

FORECASTLE

8070
 7872
 15942
 7971

Length at centre 13.007 ✓
 $+ \frac{2}{3} \times 1.961$ ✓
 Equiv. length 13.378 ✓

Trade of ship INTERNATIONAL

Names of sister ships NONE.

Builder's name and yard number JOHN COCKERILLS YARD N° 764

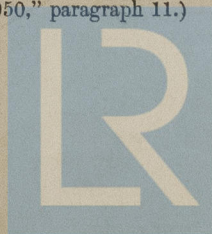
Owners D.S.A.S EIKLAND ET SALAMIS A/S. OSLO.

Fee £ WILL BE : CHARGED WITH FIRST ENTRY.

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950," paragraph 11.)

MIDSHIP SECTION. N° 763-D-1.

LONGITUDINAL SECTION. N° 763-D-2.



© 2021

Lloyd's Register Foundation