

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name SALLY MAERSK Hull No. 92 ANVERS	Official Number ✓	Nationality and Port of Registry ANTWERP Danish BELGIUM	Gross Tonnage about 5300 5170	Date of Build 1944	Port of Survey Odense
Moulded Dimensions: Length 415' 10 1/4 Breadth 56' 0 Depth 28' 7 1/2 126248 17068 8712				Date of Survey August 1944	
Moulded displacement at moulded draught = 85 per cent. of moulded depth 11902 emp. tons = 11795				Surveyor's Signature W. J. J. J.	
Coefficient of fineness for use with Tables . 236				Particulars of Classification + 100 A1 with freeboard (contemplated)	

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth 8712 ✓	(a) Where D is greater than Table depth (D—Table depth) R = (8721 - 8450) . 30 + 8.33 = + 68 7/8	Moulded Breadth (B) 17068 ✓
Stringer plate 9	(b) Where D is less than Table depth (if allowed) (Table depth—D) R = ✓	Standard Round of Beam = $\frac{B \times 12}{50} = \frac{17068 \times 12}{50} = 410$
Sheathing on exposed deck none	If restricted by superstructures	Ship's Round of Beam = 345
$T \left(\frac{L-S}{L} \right) =$		Difference -4 - 65
Depth for Freeboard (D) = 8721 ✓		Restricted to
		Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) = \text{negligible} ✓$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	10640	10640	2218		10640
» overhang					
R.Q.D. enclosed					
» overhang					
Bridge enclosed					
» overhang aft	114588	114588	2218		114588
» overhang forward					
F'cle enclosed					
» overhang					
Trunk aft					
» forward					
Tonnage opening aft	1520	260	2218		260
» forward					
Total	126248	125988			125988

Standard Height of Superstructure	2290 ✓
» » R.Q.D.	✓
Deduction for complete superstructure	1062 ✓
Percentage covered $\frac{S}{L} =$	100% ✓
» » $\frac{S_1}{L} =$	99.40% ✓
» » $\frac{E}{L} =$	99.40% ✓
Percentage from Table, Line A. (corrected for absence of forecastle [if required])	✓
Percentage from Table, Line B. (corrected for absence of forecastle [if required])	99.26 ✓
Interpolation for bridge less than 2L (if required)	✓
Deduction = 1062 × 99.26 = 1059 ✓	

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate + 428	Effective Ordinate	S	M	Product
A.P.	1310	✓	1	1310	1340	1268	1		1268
1/6 L from A.P.	582	✓	4	2328	590	729	4		3116
2/6 L »	145	✓	2	290	150	198	2		396
Amidships	0	✓	4	0	0	0	4		0
2/6 L from F.P.	291	✓	2	582	300	348	2		696
1/6 L »	1164	✓	4	4656	1120	1357	4		5428
F.P.	2619	✓	1	2619	2680	3108	1		3108
Total				11785	+ 428				14512

Mean actual sheer aft = **Excess**
Mean standard sheer aft = **Excess**

Mean actual sheer forward = **Excess**
Mean standard sheer forward = **Excess**

Length of enclosed superstructure forward of amidships = **✓**
L aft of » = **✓**
C.S.S.

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{S}{2L} \right) = \frac{2727}{18} \times .25 = -38 \text{ mm}$
If limited on account of midship superstructure.

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 = **8721**Summer freeboard = **990**Moulded draught (d) = **7731**

Deduction for Tropical freeboard and addition for

Winter freeboard = **161 = 160**Addition for Winter North Atlantic Freeboard (if required) = **✓**

Deduction for Fresh Water.

Displacement in salt water at summer load water line

 $\Delta = 12580 \text{ at } 25^\circ \text{C}$

Tons per inch immersion at summer load water line

 $T = 46 \text{ or } 18.11 \text{ mm}$ Deduction = $\frac{\Delta}{T} \text{ inches} = \frac{12580}{46} = 273.5 \text{ mm}$ $= 1742 = 1752$

TABULAR FREEBOARD

corrected for Flush Deck (if required)

Correction for coefficient $\frac{.236 + .68}{1.36} = 1.041$ Depth Correction **68** ✓Deduction for superstructures **1059** ✓Sheer correction **38** ✓Round of Beam correction **✓**Correction for Thickness of Deck amidships **✓**Other corrections, scantlings, etc. **✓**Summer Freeboard = **992 = 990**SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: **990 mm**

Tropical Fresh Water Line above Centre of Disc	335 ✓
Fresh Water Line	175 ✓
Tropical Line	160 ✓
Winter Line below	160 ✓
Winter North Atlantic Line	✓

Tropical Fresh Water Freeboard	655 ✓
Fresh Water	315 ✓
Tropical	330 ✓
Winter	1150 ✓
Winter North Atlantic	✓

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.

Trade of ship

Names of sister ships

Odense yard N: 90

Builder's name and yard number

Odense Staalkidsreft, Odense yard N: 92

Owners

A. P. Møller Copenhagen

Fee £

To be charged on completion.

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Foundation