Rpt. C.11 (Comp.)

Leva Mærsk
46054

LLOYD'S REGISTER OF SHIPPING
SURVEYS FOR FREEBOARD
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
M/S "LAUST MÆRSK"		Danish Copenhagen	6418,68	1.1958

Moulded Dimensions: Length open 455'-0" closed 457'-0" Breadth 63'-9" Depth 31'-3" UD^k 41'-3" 2nd D^k

Freeboard Length open 455,82' closed 457,82'

Moulded displacement at moulded draught = 85 per cent. of moulded depth open 14384 closed 20015 tons
(excluding bossing)

Coefficient of fineness for use with Tables open .652 closed .682

Port of Survey   Odense

Date of Survey   During construction

Surveyor's Signature   *S. Sanden*

Particulars of Classification   +100A1
contemplated

DEPTH FOR FREEBOARD (D).

Moulded depth ... open 31'-3" closed 41'-3"

Stringer plate ... 2nd DK .3/8" U-dk 1"

Wood Sheathing on exposed deck

$T\left(\dfrac{L-S}{L}\right) =$

Depth for Freeboard (D) =

DEPTH CORRECTION.

(a) Where D is greater than Table depth
(D — Table depth) R =

(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)   63'-9"

Standard Round of Beam = $\dfrac{B \times 12}{50}$ =

Ship's Round of Beam   = 15 3/8" both deck

Difference

Restricted to

Correction = $\dfrac{Diff^e}{4} \times \left(1 - \dfrac{S_1}{L}\right)$ =

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S) open(x)	Equivalent Enclosed Length (S₁) closed(xx)	Height	Height Correction	Effective Length (E)
Poop enclosed	100'-6"		8'-0"		
„ overhang	3/4"				
R.Q.D. enclosed ...					
„ overhang ...					
F'cle Bridge enclosed ...	350'-1"				
„ overhang aft ...	3/4"				
„ overhang forward ...					
F'cle enclosed ...			8'-0"		
„ overhang ...					
Trunk aft ...					
„ forward ...					
Tonnage opening aft ...	5'-1½"				
„ „ forward ...					
Total	455'-10"				

Standard Height of Superstructure
„ „ R.Q.D.
Deduction for complete superstructure
Percentage covered $\dfrac{S}{L}$ =
„ „ $\dfrac{S_1}{L}$ =
„ „ $\dfrac{E}{L}$ =
Percentage from Table, Line A.
(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 =

(x) as open; see over (xx) as closed, see over.

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1		(x) (xx) (xxx) 56"		1	
⅙L from A.P. ...		4		24 5/8"		4	
⅓L „ ...		2		6 1/8"		2	
Amidships ...	O	4	O	O	O	4	O
⅓L from F.P. ...		2		12 3/8"		2	
⅙L „ ...		4		49 3/8"		4	
F.P. ...		1		111"		1	
Total ...							

Superstructure deck (written vertically in Actual Ordinate column)

Mean actual sheer aft $=$
Mean standard sheer aft

Mean actual sheer forward $=$
Mean standard sheer forward

$\dfrac{\text{Length of enclosed superstructure}}{L}$ forward of amidships =

„ „ aft of „ =

(xxx) 2nd deck: no sheer

Correction = $\dfrac{\text{Difference between sums of products}}{18}\left(·75 - \dfrac{S}{2L}\right)$ =

If limited on account of midship superstructure.

If limited to maximum allowance of 1¼ ins. per 100ft.

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.

	Ft.
Depth to Freeboard Deck =	
Summer freeboard =	
Moulded draught (d) =	
Keel allowance =	
Extreme draught =	
Deduction for Tropical freeboard and addition for =	
Winter freeboard = $\dfrac{d}{4}$ inches =	
Addition for Winter North Atlantic Freeboard (if required) =	

Deduction for Fresh Water.

Displacement in salt water at summer load water line.
Δ = open 14930 ts closed 17760 ts
Tons per inch immersion at summer load water line
T = open 54.1 closed 56.6
Deduction = $\dfrac{\Delta}{40\,T}$ inches
=

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. ...		
Summer Freeboard =		

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

|				
Tropical Fresh Water Line above Centre of Disc	...	...	Tropical Fresh Water Freeboard	
Fresh Water Line „ „	...	...	Fresh Water „	
Tropical Line „ „	...	...	Tropical „	
Winter Line below „ „	...	...	Winter „	
Winter North Atlantic Line „ „	...	...	Winter North Atlantic „	

5m.6.56. T.

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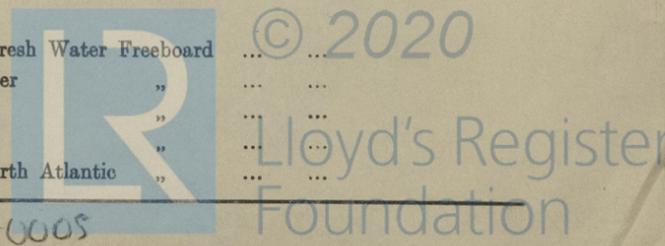
A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

A.P.

as open

F.P. (as open)

14.65'

11.44'   11.44'   12.0'

19.25'

as closed.

2'-0"

6.07'

11.6'

27.89'   57.43'

26.25'   54.47'

43.4'

85.86'

A.P.

F.P. (as closed)

height of poop at sides 8'-0".

height of f'cle at sides 8'-0".
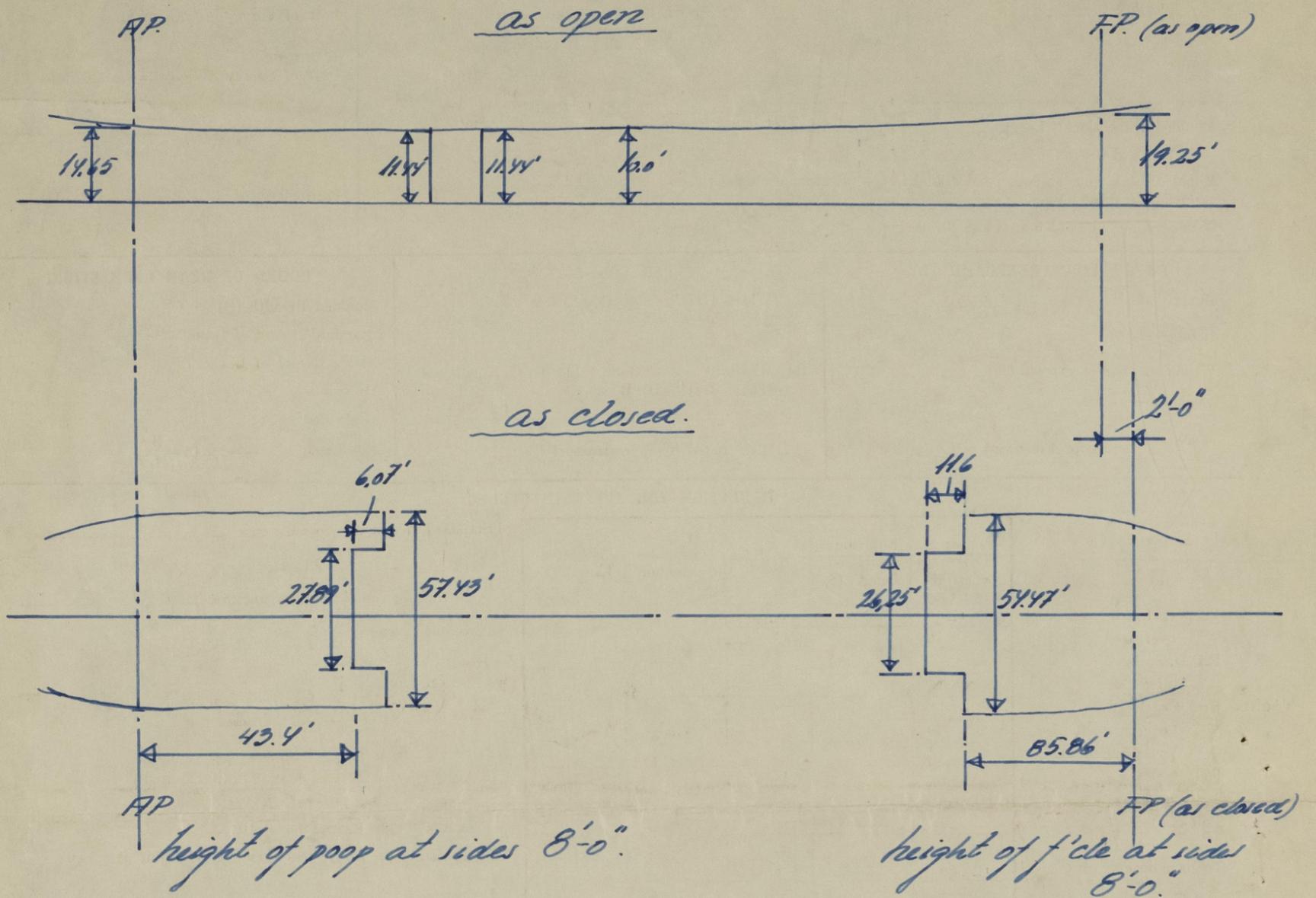
Trade of ship ___ general

Names of sister ships ___ M/S "LEDA MÆRSK"   46054

Builder's name and yard number ___ Messrs. Odense Staalskibsværft A/S, yard no. 141

Owners ___ A/S D/S Svendborg and D/S af 1912 A/S.

Fee £ ___   :

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