

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

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

Ship's Name <i>Kockemms M/T No. 220</i>	Official Number <i>-</i>	Nationality and Port of Registry <i>Norwegian Oslo.</i>	Gross Tonnage <i>about 10100</i>	Date of Build <i>1941</i>	Port of Survey <i>Malmö</i>
Moulded Dimensions: Length <i>500.82'</i> Breadth <i>63.0'</i> Depth <i>38.50'</i>					Date of Survey <i>Whilst building.</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth <i>23010</i> tons					Surveyor's Signature <i>Asundén</i>
Coefficient of fineness for use with Tables <i>.780</i>					Particulars of Classification <i>10091 Carrying Petroleum in Tanks. (Contemplated.)</i>

Depth for Freeboard (D). Moulded depth <i>38.50'</i> Stringer plate <i>.80"</i> <i>.067'</i> Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = <i>38.567'</i>	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) <i>63.0'</i> Standard Round of Beam = $\frac{B \times 12}{50} =$ <i>15.12"</i> Ship's Round of Beam = <i>18.70"</i> Difference Restricted to Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) =$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	<i>101.0'</i>		<i>7.75'</i>		
„ overhang					
R.Q.D. enclosed					
„ overhang					
Bridge enclosed					
„ overhang aft					
„ overhang forward					
F'cle enclosed	<i>59.73'</i>		<i>7.50'</i>		
„ overhang					
Trunk aft					
„ forward					
Tonnage opening aft					
„ „ forward					
Total	<i>160.73'</i>				

Standard Height of Superstructure	_____
„ „ R.Q.D.	_____
Deduction for complete superstructure	_____
Percentage covered $\frac{S}{L} =$	_____
„ „ $\frac{S_1}{L} =$	_____
„ „ $\frac{E}{L} =$	_____
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 =	_____

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1		<i>45.80"</i>		1	
$\frac{1}{4}$ L from A.P.		4		<i>2.82"</i>		4	
$\frac{2}{8}$ L „		2		<i>0</i>		2	
Amidships		4		<i>0</i>		4	
$\frac{2}{8}$ L from F.P.		2		<i>0</i>		2	
$\frac{1}{4}$ L „		4		<i>20.40"</i>		4	
F.P.		1		<i>95.50"</i>		1	
Total							

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

If limited on account of midship superstructure. _____

Mean actual sheer aft = _____
Mean standard sheer aft = _____

Mean actual sheer forward = _____
Mean standard sheer forward = _____

Length of enclosed superstructure forward of amidships = _____
„ „ aft of „ = _____

If limited to maximum allowance of 1½ ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = _____ Ft. Summer freeboard = _____ Moulded draught (d) = _____ Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = _____ Addition for Winter North Atlantic Freeboard (if required) = _____	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 = $\frac{\Delta}{40T}$ inches = _____ <i>See over!</i>	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 = _____
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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 „ „

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.

Displacement in salt water and tons per inch immersion:-

Moulded draught.	Displacement.	Tons/inch.
70% = 26.95'	18455 tons.	65.25
75% = 28.875'	19480 "	66.20
80% = 30.80'	21540 "	67.14
85% = 32.725'	23100 "	68.05

Trade of ship. ✓

Names of sister ships. ✓

Builder's name and yard number

Hockmors Mek. Verkstad A.-B., Malmö, yard No. 220.

Owners

Johann Stenroos, Oslo.

Fee £



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Foundation