

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name "MAYMERE"	Official Number	Nationality and Port of Registry	Gross Tonnage 337.94	Date of Build 1946	Port of Survey QUEBEC, P.Q.
Moulded Dimensions: Length 140.42 ^{62.5} Breadth 27.0 Depth 17.5 10.5					Date of Survey Whilst Building
Moulded displacement at moulded draught = 85 per cent. of moulded depth 680.8 tons					Surveyor's Signature <i>R. D. Campbell</i>
Coefficient of fineness for use with Tables .7043					Particulars of Classification 100A.1 With Freeboard "Part Welded" (Class Contemplated)

Depth for Freeboard (D). Moulded depth ... 10.5 Stringer plate026 Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 10.526	Depth correction. (a) Where D is greater than Table depth (D—Table depth) R= $(10.53 - 9.37) 1.081 = +1.25$ (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) 27.0 Standard Round of Beam = $\frac{B \times 12}{50} = 6.48$ Ship's Round of Beam = Nil Difference 6.48 Restricted to Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{6.48}{4} \times .1453 = +.24$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed EQUIV...	50.42	50.42	7.0		44.28
" overhang...	28.00	14.00			17.11
R.Q.D. enclosed	34.22	17.11			
" overhang					
Bridge enclosed...					
" overhang aft					
" overhang forward	6.25	6.25			
F'cle enclosed	18.50	18.50			18.625
" overhang	39.50	19.75			19.75
Trunk aft					
" forward					
Tonnage opening	4.00	20.43	2 DIFF		20.43
" forward	6.25	120.195			
Total	140.42	102.67			120.195

Standard Height of Superstructure 6.0
 " " R.Q.D. ✓
 Deduction for complete superstructure 20.06
 Percentage covered $\frac{S}{L} = 100.00$
 " " $\frac{S_1}{L} =$
 " " $\frac{E}{L} =$ } 85.47
 Percentage from Table, Line A. 82.08
 (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 = 20.06 × 82.08 = - 16.47"

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	24.00 ⁶	1	24.06	15.50	27.50	1	24.06
1/2 L from A.P. ...	10.69 ⁷¹	4	42.84	6.50	12.24	4	42.84
1/2 L " ...	2.64 ⁶⁵	2	5.30	.50	3.02	2	5.30
Amidships ...		4	-		-	4	-
1/2 L from F.P. ...	5.28 ⁹	2	10.58		4.785	2	9.57
1/2 L " ...	21.36 ⁴²	4	85.68	6.75	18.75	4	75.00
F.P. ...	48.00 ¹²⁵	1	48.12	31.50	43.50	1	43.50
Total ...			216.58	+120			280.27

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{16.31}{18} \times .25 = +.23$
 If limited on account of midship superstructure. ✓

Actual superstructure height = 7.0
 Standard " " = $\frac{6.0}{1.0} = 12"$
 Mean actual sheer aft = Excess
 Mean standard sheer aft =
 Mean actual sheer forward = Deficient
 Mean standard sheer forward =
 Length of enclosed superstructure forward of amidships = } excess
 " " aft of " = }

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.
 Depth to Freeboard Deck = 10.526 Ft.
 Summer freeboard = .17
 Moulded draught (d) = 10.36
 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 2.59 = 2 1/2"
 Addition for Winter North Atlantic Freeboard (if required) = NOT ASSIGNED.

Deduction for Fresh Water.
 Displacement in salt water at summer load water line
 $\Delta = 672.5$ 820
 Tons per inch immersion at summer load water line
 $T = 7.54$ 775
 Deduction = $\frac{\Delta}{40T}$ inches = 2.64 = 2 3/4"

TABULAR FREEBOARD corrected for Flush Deck (if required)
 Correction for coefficient. $\frac{703+68}{1.36} = \frac{1.333}{1.36}$

	+	-
Depth Correction	1.23	-
Deduction for superstructures	-	16.47
Sheer correction	.23	-
Round of Beam correction	.24	-
Correction for Thickness of Deck amidships	-	-
Other corrections, scantlings, etc.	-	-
	1.72	16.47

14.28
 14.52
 14.75
 Summer Freeboard = - 0.23

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: 0'-2" (LIMITED)

Tropical Fresh Water Line above Centre of Disc	... 2 3/4"	Tropical Fresh Water Freeboard	... MINUS 0'-0 3/4"
Fresh Water Line	... 2 3/4"	Fresh Water	... MINUS 0'-0 3/4"
Tropical Line	... NIL	Tropical	... 0'-2" (LIMITED)
Winter Line below	... 2 1/2"	Winter	... 0'-4 1/2"
Winter North Atlantic Line	... NOT ASSIGNED	Winter North Atlantic	... NOT ASSIGNED

MAV/MERF

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.

POOP $38.5 + \frac{12 \times 13}{27} = 38.5 + 5.78 = 44.28$
" OVERHANG $400 - 578 = 34.22$

Trade of ship.....

Names of sister ships..... "OTTAWA MAYGLEN"
ST. LAWRENCE METAL & MARINE WORKS INC. QUEBEC, P.Q.

Builder's name and yard number..... (Ex. Morton Engineering & Dry Dock Co. Ltd.) HULL 68

Owners Dominion of Canada.

Fee £.....



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Foundation