

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name "CRESCENT PARK" JULIA	Official Number 174157	Nationality and Port of Registry Swedish CANADIAN MONTREAL <i>Roa.</i>	Gross Tonnage 2873.27	Date of Build 1942	Port of Survey Pictou, Nova Scotia
Moulded Dimensions: Length 310.44 ft. Breadth 46.33 ft. Depth 25.16 ft.					Date of Survey During Construction
Moulded displacement at moulded draught = 85 per cent. of moulded depth (21.39 ft) 6690 tons					Surveyor's Signature <i>[Signature]</i>
Coefficient of fineness for use with Tables .761					Particulars of Classification 100 A1 (CONTINGENT)

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth 25.16	(a) Where D is greater than Table depth (D—Table depth) R= 25.19 - 20.70 = 4.49 12.388 = +10.72"	Moulded Breadth (B) 46.33 ft.
Stringer plate 40"03	(b) Where D is less than Table depth (if allowed) (Table depth—D) R= ✓	Standard Round of Beam = $\frac{B \times 12}{50} =$ 11.12"
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	If restricted by superstructures ✓	Ship's Round of Beam = 11 inches.
Depth for Freeboard (D) = 25.19		Difference .12"
		Restricted to ✓
		Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.12}{4} \times .5380 = +.02$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	31.21	31.21	7.75	✓	31.21
" overhang	2.00	1.00			1.00
R.Q.D. enclosed	--				
" overhang	--				
Bridge enclosed	76.0	76.00	9.0	✓	76.00
" overhang aft	4.0	3.00			3.00
" overhang forward	2.0	1.00			1.00
Fore enclosed	31.23	31.23	7.0	✓	31.23
" overhang	None				
Trunk aft	--				
" forward	--				
Tonnage opening aft	--				
" " forward	--				
Total	146.44	143.44			143.44

Standard Height of Superstructure 6.604	R.Q.D. ✓
Deduction for complete superstructure 36.03	
Percentage covered $\frac{S}{L} =$ 47.17	
" $\frac{S_1}{L} =$ 46.20	
" $\frac{E}{L} =$ 46.20	
Percentage from Table, Line A. ✓ (corrected for absence of forecastle (if required)) ✓	
Percentage from Table, Line B. 32.77 (corrected for absence of forecastle (if required)) ✓	
Interpolation for bridge less than .2L (if required) ✓	
Deduction = 36.03 x .3277 = -11.81	

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	41.04	1		41.04	18.5"	18.50	1		18.50
%L from A.P.	18.265	4		73.06	1.6"	1.60	4		6.40
%L "	4.515	2		9.03	--	--	2		--
Amidships	--	4		--	--	--	4		--
%L from F.P.	9.03	2		18.06	--	--	2		--
%L "	36.53	4		146.12	14.8"	14.80	4		59.20
F.P.	82.09	1		82.09	66.0"	66.00	1		66.00
Total				369.40					150.10

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 " =	

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{219.30}{18} (.75 - .2358) = +6.26"$
If limited on account of midship superstructure. **✓**
If limited to maximum allowance of 1½ ins. per 100 ft. **✓**

Deduction for Tropical Freeboard.	Deduction for Fresh Extreme Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)	46.01
Addition for Winter and Winter North Atlantic Freeboard.	Displacements in salt water at summer load water line 20ft. = 6253 tons. 22ft. = 6603 " 22ft. = 6950 " Tons per inch immersion at summer load water line 20ft. = 28.45 22ft. = 29.25 Deduction = $\frac{\Delta}{40T}$ inches = $\frac{6496}{40 \times 28.45} = 5.61 = 5\frac{1}{2}$	Correction for coefficient. $\frac{.761 + .68}{1.36} = 1.441 / 1.36$	48.75
Depth to Freeboard Deck = 25.19		Depth Correction	10.72
Summer freeboard = 4.50		Deduction for superstructures	11.81
Moulded draught (d) = 20.69		Sheer correction	6.26
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 5.17 = 5\frac{1}{4}		Round of Beam correction02
Addition for Winter North Atlantic Freeboard (if required) = 5\frac{1}{4} + 2 = 7\frac{1}{4}		Correction for Thickness of Deck amidships	--
		Other corrections, scantlings, etc.	--
		Summer Freeboard = 53.94	

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

Tropical Fresh Water Line above Centre of Disc	10\frac{3}{4}"	273 mm	Tropical Fresh Water Freeboard	3\frac{7}{4}"	1099 "
Fresh Water Line " "	5\frac{1}{2}"	140 "	" Fresh Water " "	4\frac{0}{2}"	1232 "
Tropical Line " "	5\frac{1}{4}"	133 "	" Tropical " "	4\frac{0}{34}"	1239 "
Winter Line below " "	5\frac{1}{4}"	133 "	" Winter " "	4\frac{11}{14}"	1595 "
Winter North Atlantic Line " "	7\frac{1}{4}"	184 "	" Winter North Atlantic " "	5\frac{1}{14}"	1556 "

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..... International

Names of sister ships..... "VICTORIA PARK"

Builder's name and yard number..... FOUNDATION MARITIME LIMITED, PICTOU, N. S. HULL NO. 2

Owners

Fee £.....



© 2020

Lloyd's Register
Foundation