

Lloyd's Register of Shipping.

Index. No. 37991
(For London Office only).

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name "SAULT AU MOUTON"	Official Number NOT YET KNOWN	Nationality and Port of Registry BRITISH QUEBEC	Gross Tonnage APPROX.	Date of Build 1945	Port of Survey LAUZON, P.Q.
Moulded Dimensions: Length 156'-0" Breadth 32'-0" Depth 11.75'					Date of Survey WHILE BUILDING
Moulded displacement at moulded draught = 85 per cent. of moulded depth 982.5 tons					Surveyor's Signature <i>S. Falkitt</i>
Coefficient of fineness for use with Tables .69					Particulars of Classification 100A1 Class Contemplated For service in the River St. Lawrence and to Anticosti Island.
Depth for Freeboard (D).		Depth-correction.		Round of Beam correction.	
Moulded depth 11.75'		(a) Where D is greater than Table depth (D-Table depth) R= 11.778-10.40 1.20 +1.65		Moulded Breadth (B) 32.0'	
Stringer plate028'		(b) Where D is less than Table depth (if allowed) (Table depth-D) R= 1.378		Standard Round of Beam = $\frac{B \times 12}{50}$ = 387.68	
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$		If restricted by superstructures ✓		Ship's Round of Beam = 7.5	
Depth for Freeboard (D) = 11.778'				Difference .18	
				Restricted to	
				Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right)$ = + .04	

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed						Standard Height of Superstructure
" overhang						" " R.Q.D.
R.Q.D. enclosed						Deduction for complete superstructure
" overhang						Percentage covered $\frac{S}{L} =$
Bridge enclosed		N				" " $\frac{S_1}{L} =$ NIL
" overhang aft		O				" " $\frac{E}{L} =$
" overhang forward			N			Percentage from Table, Line A. (corrected for absence of forecastle (if required))
Fore enclosed			E			Percentage from Table, Line B. (corrected for absence of forecastle (if required))
" overhang						Interpolation for bridge less than .2L (if required)
Trunk aft						Deduction = NIL
" forward						
Tonnage opening aft ...						
" " forward						
Total						

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product	
A.P.	25.60 ✓	1	25.60 ✓	11.52	-	1	11.52 ✓	Mean actual sheer aft = Deficient
%L from A.P. ...	11.89 ✓	4	45.56 ✓	.38	-	4	1.52 ✓	Mean actual sheer forward = Deficient
%L " ...	2.82 ✓	2	5.64 ✓	-	-	2	-	Mean standard sheer forward
Amidships ...	-	4	-	-	-	4	-	Length of enclosed superstructure forward of amidships =
%L from F.P. ...	5.63 ✓	2	11.26 ✓	-	-	2	-	" " aft of " =
%L " ...	22.78 ✓	4	91.12 ✓	3.00	-	4	12.00 ✓	
F.P.	51.20 ✓	1	51.20 ✓	27.00	-	1	27.00 ✓	
Total ...			230.38 ✓				52.04 ✓	

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{178.34}{18} \times .75 = + 7.43$

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 Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)	16.34 2.34
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient. $\frac{.69 \times .68}{1.36} \times 18.68$	18.81 = 18.68
Depth to Freeboard Deck = 11.78 ✓	$\Delta = 941.4$	Depth Correction 1.65 ✓	
Summer freeboard = 2.33 ✓	Tons per inch immersion at summer load water line	Deduction for superstructures	
Moulded draught (d) = 9.45	T = 10.17	Sheer correction 7.43 ✓	
Deduction for Tropical freeboard and addition for	Deduction = $\frac{\Delta}{40T}$ inches	Round of Beam correction04 ✓	
Winter freeboard = $\frac{d}{4}$ inches = 2 1/2" ✓	= 2 1/4" ✓	Correction for Thickness of Deck amidships	
Addition for Winter North Atlantic Freeboard (if required) =		Other corrections, scantlings, etc.	
		9.12 ✓ - + 9.12	
		Summer Freeboard = 27.93 ✓	

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, **W65X Steel**, Deck: **2'-4"**

Tropical Fresh Water Line above Centre of Disc	2'-2 1/4"	Tropical Fresh Water Freeboard	2'-1 1/4"
Fresh Water Line " "	2'-2 1/4"	Fresh Water " "	2'-1 3/4"
Tropical Line " "	2'-2 1/4"	Tropical " "	2'-6 1/4"
Winter Line below " "	2'-2 1/4"	Winter " "	2'-6 1/4"
Winter North Atlantic Line " "	2'-2 1/4"	Winter North Atlantic " "	2'-6 1/4"

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.

SAULT AU MOUTON

DISPLACEMENT IN SALT WATER:

DRAFT	9'-0"	-	884.8 tons
"	10'-0"	-	1010.5 tons
"	11'-0"	-	1129.0 tons

TONS PER INCH IMMERSION

DRAFT	9'-0"	-	9.95 tons
"	10'-0"	-	10.39 Tons
"	11'-0"	-	10.7 Tons.

Trade of ship..... PULPWOOD CARRIER, IN RIVER ST. LAWRENCE AND TO ANTICOSTI ISLAND

Names of sister ships.....

Builder's name and yard number..... GEO. T. DAVIE & SONS LTD. YARD NO.34

Owners..... QUEBEC PAPER SALES & TRANSPORT CO. LTD., DONNACONA, P.Q.

Fee £.....



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