

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT SURVEY FOR FREEBOARD

 STEAMER ~~DANIEL SACKER~~ MONT SANDRA WITH TIMBER DECK CARGO
WITHOUT
Nationality **British - Montreal**

Builders' Name and No. of Ship

Port of Registry

Official Number **175619**

Owners

Gross Tonnage

Date of Build

Port and Date of survey

Name of Surveyor

Particulars of Classification

Names of Sister Ships

Type of Superstructures

Trade of Ship

Service Endorsement if any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)

TROPICAL FRESH WATER LINE above centre of disc

Corresponding Freeboard

FRESH WATER LINE

" " "

" "

TROPICAL LINE

" " "

" "

WINTER LINE

below " "

" "

WINTER NORTH ATLANTIC LINE " " "

" "

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line

TROPICAL FRESH WATER Timber line above L.S.

Corresponding Freeboard

FRESH WATER

" " " "

" "

TROPICAL

" " " "

" "

WINTER

" " below "

" "

WINTER NORTH ATLANTIC " " " "

" "

Number of years recommended for load line certificate

The scantlings and protective arrangements being in accordance with the Load Line Rules it is submitted that the freeboards be assigned

for Chief Surveyor

 Passed at a meeting of the Canadian Committee of the British Corporation Register of Shipping and Aircraft
on the

 Reported at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft
on the

 Secretary
Canadian Committee


© 2021

 Lloyd's Register
Foundation

Secretary

01595-011602-0128

COMPUTATION OF FREEBOARD

Length on summer load line **417'-6"** Moulded Breadth **56'-10 $\frac{1}{2}$ "** Moulded Depth **37'-4"** Depth of Keel **3/4"**
 Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth **16630** Tons

Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} = .7724$

Displacement and tons per inch immersion in salt water at summer load line **14207 at 48.4 T.P.I.**

Moulded depth	37.333	Deduction for Fresh Water	$\frac{\Delta}{401} = 7-1/4$	inches
Stringer Plate	.063	Round of Beam Correction		
Sheathing on exposed deck T ($\frac{L-S}{L}$)	-	Ships Round of Beam	14.00	inches
Rise of floor (in sailers)	-	Standard Round of Beam	$\frac{B \times 12}{50} = 13.65$	
Depth for Freeboard (D)	37,396	Difference	.35	
Table Depth	L/15	Restricted to		
Depth Correction	3 x 9,363	Correction	$\frac{\text{Difference}}{4} \times (1 - \frac{E}{L}) = .0875 \times 1 = .09 \text{ off}$	
If restricted by superstructures	28,689 on			

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)	
Poop							Standard Height of Superstructure
Raised Quarter Deck							" " R.Q.D.
Bridge		F	FLUSH				Percentage covered S/L =
Forecastle		A					" " E/L =
Trunk Aft							" from Table line A, B, (corrected for absence of forecastle if required)
" Forward							Percentage from Table by interpolation for Bridge less than .2L if required =
Tonnage Opening Aft							Deduction =
" " Forward							Percentage from Table for Tankers (or Timber ships) =
Totals							Deduction =

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	54.5	51.75	54.50	1	54.50
$\frac{1}{6}$ L from A.P.	23.5	23.03	23.50	4	94.00
$\frac{1}{3}$ L from A.P.	5.75	5.69	5.75	2	11.50
Amidships	0	-	-	4	-
$\frac{1}{3}$ L from F.P.	11.5	11.38	11.50	2	23.00
$\frac{1}{6}$ L " "	47.	46.06	47.00	4	188.00
F.P.	105.5	103.50	105.50	1	105.50
				18	476.50

Effective Mean Sheer = **26.472**
 Standard " " $.05L + 5$ = **25.875**
 Difference = **.597**

Mean Actual sheer aft = **More than 1**
 " Standard " "

Mean Actual sheer forward = **More than 1**
 " Standard " "

Length of enclosed superstructure forward of amidships =
 Length of Ship

Length of enclosed superstructure aft of amidships =
 Length of Ship

Sheer Correction = Difference $\times (.75 - \frac{S}{2L}) = .597 \times .75 = .4478 \text{ off}$

If limited on account of midship superstructure =
 " to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. =

TABULAR FREEBOARD corrected for flush deck if required = **77 + 6.26 = 83.26**

Correction for co-efficient =

DRAUGHTS AND SEASONAL CORRECTIONS

	+	-
Depth correction	28.69	-
Deduction for superstructures	-	-
Sheer correction	-	.45
Round of Beam correction	-	.09
Correction for thickness of deck amidships	-	-
Other corrections, scantlings, etc.	.42	-
	29.11	.54
		28.57

Summer Freeboard in inches **9' - 9 $\frac{1}{2}$ " = 117.48**

Additional allowance for superstructures on

Timber carrying ships =

Summer Timber Freeboard in inches =

	Sailer, Tanker, Steamer	Timber
Depth to Freeboard Deck in feet	37.396	
Summer Freeboard in feet	9.79	
Moulded Draught (d)	27.606	(d1)
Addition for Keel	.115	
Extreme draught	27.721	

Deduction for Tropical and addition for Winter freeboard $d/4 = 6.9$ ins.

Addition for Winter North Atlantic (if required) = ins.

Deduction for Tropical Timber Freeboard $d/4$ = ins.

Addition for Winter " " $\frac{d1}{3}$ = ins.

" " N.A. Timber Freeboard (if required) = ins.