

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. _____
(For London Office only.)

Port of Survey _____
Date of Survey 27/4/31
Name of Surveyor _____

Ship's Name. <u>Silveroak</u>	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build. <u>1919</u>	Particulars of Classification. <u>+ 100 A1.</u>
Number in Register Book _____					

Moulded dimensions 334.5 x 48.0 x 27.5
Moulded displacement at a moulded draught of 85 per cent. of moulded depth _____
Coefficient of fineness for use with tables _____

DEPTH FOR FREEBOARD.			CORRECTION FOR LENGTH.		
Moulded depth	...	27.50	(a) When D is greater than $\frac{L}{15}$	5.24	
Stringer plate04	$(D - \frac{L}{15}) \times R = (27.54 - 22.3) \times 2.573$	+ 13.48	
Sheathing in wells $T(\frac{L-S}{L}) =$...		(b) When D is less than $\frac{L}{15}$ (if allowed).		
			$(\frac{L}{15} - D) \times R =$		
Depth D =	...	27.54	If restricted by height of superstructures	...	

SUPERSTRUCTURES.

		Mean Covered Length S.	Equivalent Enclosed Length S.	Height.	Correction for Height.	Effective Length.	Forward Sheer				
							A	S	S _m	A	S
Poop	enclosed	25.75	25.75	7.5	✓	25.75	-	-	1	-	-
"	overhang						8.49	9.67	3	25.47	29.01
R.Q.D.	enclosed						33.97	38.67	3	101.91	116.01
"	overhang						73.75	86.90	1	73.75	86.90
Bridge	enclosed	97.00	97.00	7.5	✓	97.00					
"	overhang aft										
"	overhang forward										
5' F'cle	enclosed (equivalent)	32.07	32.07	7.5	✓	34.74					
"	overhang	5.35	2.67								
Trunks	forward										
"	aft										
Tonnage opening											
TOTAL =		160.17	157.49			157.49					
Length of ship (L) =		334.5	334.5			334.5					
% Covered ... =		47.89	47.08			47.08					
Corresponding %, corrected for absence of forecastle if required		A =	B = 33.57								
Allowance ... =		37.63	x .3351								

Correction for Bridge less than 2L if required ✓

Forward Sheer

$\frac{A}{S} = \frac{201.13}{231.92} = 86.71$

$\frac{L}{10} = 33.45 \times 86.71$

$2.5 = 29.01$

$2.5 = 1.25$ overhang.

30.26 allowed of open forecastle

(See over)

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	22.00	43.45	22.00	1	22.00
2		19.33		4	
3		4.83		2	
4				4	
5	8.49	9.67	8.49	2	16.98
6	33.97	38.67	33.97	4	135.88
F.P. 7	73.75	86.90	73.75	1	73.75

If excess sheer forward and deficient sheer aft :-

Actual sheer aft = } deficient
Standard sheer aft = }
Actual sheer forward = }
Standard sheer forward = }

Length of enclosed superstructure L

Forward of amidships = 44.00 ✓
Aft of amidships = 53.00 ✓

Mean effective sheer ... = 18

Standard sheer .05L + 5 = 21.72

Difference (Df) ... = 5.06

Allowance = $Df \times (.75 - \frac{S}{2L}) = (.75 - .2394) = .5106$

If limited on account of amidship superstructure ... =

If limited on account of excess sheer ($1\frac{1}{2}$ in. per 100 ft.) ... =

ROUND OF BEAM.

Standard	...	11.52
Ship ... 12" draught	...	9.00
Difference	...	2.52
Restricted to	...	
Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = .63(1 - .47) = +.33$		

TABULAR FREEBOARD (corrected for flush deck if required)

Corrected for Coefficient	?	+ .68	
		1.36	
Correction for Length	...	13.48	
" Superstructures	...		12.61
" Sheer	...		
" Round of beam	...		
" Thickness of deck	...		
" Scantlings, etc.	...		
" Statutory deck line	...		

52.21

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-

Fresh Water Line	above centre of Disc	...
Indian Summer Line	"	...
Winter Line	below	...
Winter North Atlantic Line	"	...

