

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD-STEAMERS.

Index No. 33406
(For London Office only.)

Port of Survey _____

Date of Survey 11/4/32

Name of Surveyor _____

Ship's Name. <u>Infante Don Jaime</u>	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build. <u>1929</u>	Particulars of Classification. <u>+ 100 A.1. with pl.</u>
Number in Register Book					

Moulded dimensions 331.0' x 48.83' x 27.92'

Moulded displacement at a moulded draught of 85 per cent. of moulded depth

Coefficient of fineness for use with tables

Not yet rec'd.

DEPTH FOR FREEBOARD.

Moulded depth	...	...	...	...	...	27.92
Stringer plate	...	...	...	...	...	.04
Sheathing in wells $T \left(\frac{L-S}{L} \right) =$	...	...	...	...	...	.18
<u>.20 x .894</u>						
Depth D =	...	...	...	...	...	28.14

CORRECTION FOR LENGTH.

(a) When D is greater than $\frac{L}{15}$	
$(D - \frac{L}{15}) \times R = (28.14 - 22.07) \times 2.546$	6.04
(b) When D is less than $\frac{L}{15}$ (if allowed).	
$(\frac{L}{15} - D) \times R =$	...
If restricted by height of superstructures	...

SUPERSTRUCTURES.

	Mean Covered Length S.	Equivalent Enclosed Length S ₁ .	Height.	Correction for Height.	Effective Length.
Poop enclosed
" overhang
R.Q.D. enclosed
" overhang
Bridge enclosed
" overhang aft
" overhang forward
F'cle enclosed... <u>open</u>	1/10 L = 33.1	x .868 = 28.74	7-3	✓	28.74
" overhang	.9	.45			.45
Trunks forward
" aft
Tonnage opening

Found Sheer		
8.37	3	25.11
33.50	3	100.50
73.80	1	73.80
		199.41
9.48	3	28.44
38.36	3	115.08
86.20	1	86.20
		229.72

TOTAL = 34.0 33.24 33.24Length of ship (L) = 331.0 331.0 331.0% Covered ... = 10.27% 10.04% 10.04%Corresponding %, corrected for absence of forecastle if required } A = 5.0 B = 5.0Allowance ... = 37.40 x .05 = -1.87

Correction for Bridge less than 2L if required }

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	36.2	43.10	36.2	1	36.2
2	13.75	19.18	13.75	4	55.0
3	3.44	4.74	3.44	2	6.88
4				4	
5	8.37	9.48	8.37	2	16.74
6	33.50	38.36	33.50	4	134.00
F.P. 7	73.8	86.20	73.80	1	73.80

If excess sheer forward and deficient sheer aft :-

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

Length of enclosed superstructure

L

Forward of amidships = Nil
 Aft of amidships = Nil

Mean effective sheer ...	...	...	...	...	17.92
Standard sheer .05L + 5 =	...	...	...	...	21.55
Difference (Df)	...	...	...	...	3.63
Allowance = $Df \times \left(.75 - \frac{S}{2L} \right) =$	...	...	...	...	3.63 (.75 - .05) = +2.54
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	...	...	...	...	11.71
Ship	...	...	...	...	6.0
Difference	...	...	...	...	5.71
Restricted to	...	...	...	...	...
Allowance = $\frac{\text{Difference}}{4} \times \left(1 - \frac{S_1}{L} \right) =$	...	...	...	...	1.43 x .899 = +1.29

TABULAR FREEBOARD (corrected for flush deck if required) =

Corrected for Coefficient	x	$\frac{+.68}{1.36}$	=	
Correction for Length	...	...	...	15.45
" Superstructures	...	...	...	1.87
" Sheer	...	...	...	2.54
" Round of beam	...	...	...	1.29
" Thickness of deck	...	...	...
" Scantlings, etc.	...	...	...
" Statutory deck line	...	...	...

Summer Freeboard =

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	"



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Foundation

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