

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Index. No. 42920
(For London Office only).

MAY 1951

(COMPUTATION FOR ~~STEAMER~~ ~~SAILING SHIP~~ TANKER.)

Ship's Name ISLAS GEORGAS	Official Number ---	Nationality and Port of Registry Argentine Buenos Aires	Gross Tonnage About 9800	Date of Build 1951 7	Port of Survey..... Uddevalla
Moulded Dimensions: Length 146.304 M Breadth 19.500 M Depth 10.820 Metres					Date of Survey..... Whilst building
Freeboard Length 146.642 Metres to Centre Line of Rudder Stock.					Surveyor's Signature <i>Hamelberg</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth 20120 M³					Particulars of Classification +100A1
Coefficient of fineness for use with Tables .765					Carrying Petroleum in bulk

Depth for Freeboard (D). Moulded depth 10.820 Stringer plate020 Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 10.842	Depth correction. (a) Where D is greater than Table depth (D - Table depth) R = 0.33(10.841 - 9.776)30 = +266/- 1.065 (b) Where D is less than Table depth (if allowed) (Table depth - D) R = If restricted by superstructures	Round of Beam correction. Moulded Breadth (B) 19.500 Standard Round of Beam = $\frac{B \times 12}{50} =$ 390 Ship's Round of Beam = 400 mm. Difference 10 Restricted to Correction = $\frac{\text{Diffe}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{10}{4} \times .6518 = -2 -/-$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S) MM.	Equivalent Enclosed Length (S ₁)	Height MM.	Height Correction	Effective Length (E)
Poop enclosed <i>Equip.</i>	36553	36553	2440	-	36553
» overhang					
R.Q.D. enclosed					
» overhang					
Bridge enclosed					
» overhang aft					
» overhang forward	14686				
Fore enclosed <i>Equip.</i>	14913	14686	2440	-	14686
» overhang					
Trunk aft					
» forward					
Tonnage opening aft					
» » forward					
Total	51239	51239			51239

Standard Height of Superstructure **2290 -/-**
» » R.Q.D. **-**
Deduction for complete superstructure **1067 -/-**
Percentage covered $\frac{S}{L} =$
» » $\frac{S_1}{L} =$ **34.94**
» » $\frac{E}{L} =$
Percentage from Table, Line A. **TANKER 25.94**
(corrected for absence of forecastle [if required]) **-**
Percentage from Table, Line B. **-**
(corrected for absence of forecastle [if required]) **-**
Interpolation for bridge less than 2L (if required) **-**
Deduction = **1067 x .2594 = -277 -/-**

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	1476	1	1476	932	932	1	932
1/6 L from A.P. ...	656	4	2624	101	101	4	404
2/6 L » ...	164	2	328	0	0	2	0
Amidships	-	4	-	0	-	4	-
2/6 L from F.P. ...	328	2	656	0	0	2	0
1/6 L » ...	1311	4	5244	337	337	4	1348
F.P.	2951	1	2951	1825	1825	1	1825
Total ...			13279				4509

Mean actual sheer aft
Mean standard sheer aft = } **DEFICIENT.**
Mean actual sheer forward
Mean standard sheer forward =
Length of enclosed superstructure forward of amidships = } **DEFICIENT**
» » aft of » = } **SHEERS.**

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{8770}{18} \left(.75 - \frac{1741}{5759} \right) = +281 -/-$
If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 35.57 Summer freeboard = 8.23 Moulded draught (d) = 27.34 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.83 = 6 3/4" Addition for Winter North Atlantic Freeboard (if required) = 6.83 + 4.81 = 11.64" = 11 3/4"	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta =$ 17288 Tons per inch immersion at summer load water line $T =$ 62.50 Deduction = $\frac{\Delta}{40 T}$ inches = 6.91 = 7"	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient $\frac{765+68}{1.36} = 1.445/1.36$ Depth Correction 266 Deduction for superstructures 277 Sheer correction 281 Round of Beam correction 2 Correction for Thickness of Deck amidships ... Other corrections, scantlings, etc. Summer Freeboard = 2508
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc	13 3/4
Fresh Water Line	7
Tropical Line	6 3/4
Winter Line below	6 3/4
Winter North Atlantic Line	11 3/4

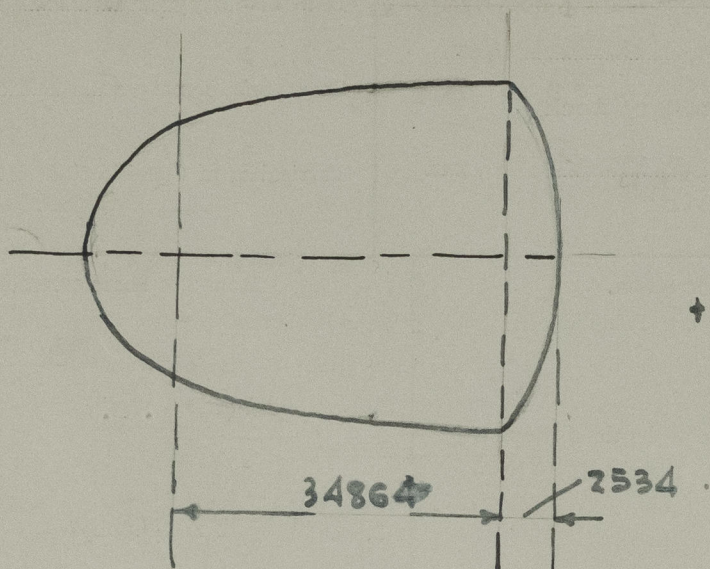
Tropical Fresh Water Freeboard	8' 2 3/4"
Fresh Water	7' 1"
Tropical	7' 7 3/4"
Winter	7' 8"
Winter North Atlantic	9' 2 1/2"

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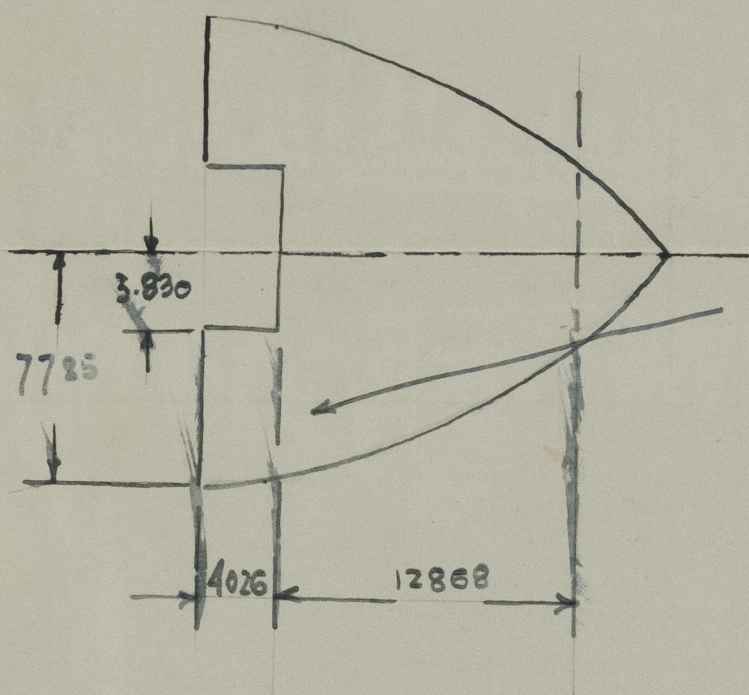
"ISLAS GEORGIAS"

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.

75 % of moulded depth: Displacement = 17270 tons à 1016 kgs. in fresh water, $M^3/25 \text{ mm.} = 60.68,$
 85 % " " " " = 19910 " " " " " " " " = 62.20,
 95 % " " " " = 22560 " " " " " " " " = 63.63.



$$\begin{aligned} \text{Poop} &= 34864 \\ + \frac{2}{3} \times 2534 &= 1689 \\ \hline 36553 &= \text{Eqm Encl.} \end{aligned}$$



$$2900 \times 7785 / 8600 = 2625$$

$$\begin{aligned} \text{Forecastle} &: 12868 \\ 2 \times 4026 (3955 + 2625) &= 1818 \\ \frac{7785}{8600} \times 16.100 \times 2 &= 14686. \text{Eqm Encl.} \end{aligned}$$

Trade of ship International, Tanker.

Names of sister ships M/T "Islas Malvinas" and "Islas Orcadas", Uddevallavarvet Aktiebolag Yard Nos. 111 and 112.

Builder's name and yard number Uddevallavarvet Aktiebolag, Uddevalla, Sweden, Yard No. 113.

Owners Argentine Government (Yacimientos Petroliferos Fiscales), Buenos Aires.

Fee Kr.



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