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Index. No. *39947*
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39921.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

ES *Sept. 10. 1948.*

Ship's Name GORAZ	Official Number	Nationality and Port of Registry PORTUGUESE FIGUEIRA DA FOZ	Gross Tonnage 130	Date of Build 1949	Port of Survey GRONINGEN
Moulded Dimensions: Length 27000 / Breadth 6400 / Depth 3200					Date of Survey OCTOBER 1948
Moulded displacement at moulded draught = 85 per cent. of moulded depth 266.5 / m³ tons					Surveyor's Signature <i>[Signature]</i>
Coefficient of fineness for use with Tables .68 (.567 actual) /					Particulars of Classification +100 A1 MOTORTRAWLER

Depth for Freeboard (D). Moulded depth ... 3200 Stringer plate ... 8 Sheathing on exposed deck 2 1/2 D.P. $T \left(\frac{L-S}{L} \right) = 63 \times \frac{17.110}{27} = 40$ Depth for Freeboard (D) = 13248	Depth correction. (a) Where D is greater than Table depth (D-Table depth) R = $8.33(3.248-1.800)6.818 = +82 \text{ m/m.}$ 1.448 (b) Where D is less than Table depth (if allowed) (Table depth-D) R = If restricted by superstructures <input checked="" type="checkbox"/>	Round of Beam correction. Moulded Breadth (B) 6400 Standard Round of Beam = $\frac{B \times 12}{50} = 128 \text{ m/m.}$ Ship's Round of Beam = 125 Difference 3 m/m. Restricted to <input checked="" type="checkbox"/> Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L}\right) = \frac{3}{4} \times .8652 = +1 \text{ m/m.}$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...	—	—	—	—	—
„ overhang ...	—	—	—	—	—
R.Q.D. enclosed ...	—	—	—	—	—
„ overhang ...	—	—	—	—	—
Bridge enclosed ...	—	—	—	—	—
„ overhang aft ...	—	—	—	—	—
„ overhang forward ...	—	—	—	—	—
F'cle enclosed ...	3640	3640	2000/1025	1825/1830	3630
„ overhang ...	—	—	—	—	—
Trunk aft ...	—	—	—	—	—
„ forward ...	—	—	—	—	—
Tonnage opening aft ...	—	—	—	—	—
„ „ forward ...	—	—	—	—	—
Total ...	3640	3640			3630

Standard Height of Superstructure **1.83 m.** /
 „ „ R.Q.D. ☒
 Deduction for complete superstructure **378 m/m.** /
 Percentage covered $\frac{S}{L} = 13.48$
 $\frac{S_1}{L} = 13.44$
 $\frac{E}{L} = 13.44$
 Percentage from Table, Line A. **6.72**
 (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 = **378 x .0672 = -25 m/m.** /

SHEER CORRECTION.

PARALLEL TO BASELINE

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	479	1	479	742	742	1	742
1/8 L from A.P. ...	213	4	852	259	259	4	1036
2/8 L „ ...	53	2	106	57	57	2	114
Amidships ...	✓	4	✓	0	✓	4	✓
2/8 L from F.P. ...	106	2	212	100	100	2	200
1/8 L „ ...	426	4	1704	574	574	4	2296
F.P. ...	958	1	958	1382	1382	1	1382
Total ...			4811				5770

Mean actual sheer aft = **Excess.**
 Mean standard sheer aft

Mean actual sheer forward = **Excess.**
 Mean standard sheer forward

Length of enclosed superstructure forward of amidships = **1/2**
 „ „ aft of „ = **1/2**

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{1459}{18} (.75 - .0674) = -55 \text{ m/m.}$ /
 If limited on account of midship superstructure. **YES = NIL.** /
 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.

top of 63 m/m wood on
 Depth to Freeboard Deck = **3.271**
 Summer freeboard = **.306**
 Moulded draught (d) = **2.965**

Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{48} \text{ inches} = 0.062 \text{ m.}$

Addition for Winter North Atlantic Freeboard (if required) = **0.062 + 0.051 = 0.113 m.**

Deduction for Fresh Water.

Displacement in salt water at summer load water line **2.965 m.**
 $\Delta = 304 \text{ Tons}$
 $\frac{\Delta}{\text{m}^3} = 396.5 \text{ m}^3$
 $T = 1.44 \text{ m}^3/\text{cm}$

Deduction = $\frac{\Delta}{40T} \text{ inches} = 0.051 \text{ m.}$

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient **Nil.**

Depth Correction ... **82** ☒
 Deduction for superstructures ... **✓** **25**
 Sheer correction ... **✓** **✓**
 Round of Beam correction ... **1** ☒
 Correction for Thickness of Deck amidships ... **33** ☒
 Other corrections, scantlings, etc. ... **✓** ☒

225 m/m.
225 m/m.
8.12.48
+ 81 m/m.
 Summer Freeboard = **306 m/m.**

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: **0.306 m.** /
 Tropical Fresh Water Line above Centre of Disc **0.113 m.** /
 Fresh Water Line „ „ **0.051 m.** /
 Tropical Line „ „ **0.062 m.** /
 Winter Line below „ „ **0.062 m.** /
 Winter North Atlantic Line „ „ **0.113 m.** /
 Tropical Fresh Water Freeboard ... **0.193 m.** /
 Fresh Water „ „ **0.255 m.** /
 Tropical „ „ **0.244 m.** /
 Winter „ „ **0.368 m.** /
 Winter North Atlantic „ „ **0.419 m.** /

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.

Trade of ship TRAWLER.

Names of sister ships "PARSO"

Builder's name and yard number SHIPYARD "FOXHOL" 1/2 GEBR. MULLER AT FOXHOL. YARD N^o 85

Owners "ARRASTO"

Fee £ 100.-

BHG



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Foundation