Lloyd's Register of Shipping
SURVEYS FOR FREEBOARD – STEAMERS
(Under the Provisions of the U. S. A. Load Line Act of March 2, 1929)

	Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S.S. XXX	"POUCOU" ex "GULFBELLE"	Panama / Panamanian		7104	1936	100 A1 Contemplated. Carrying Petroleum in Bulk Bracketless System – Arc Form
	Number in Register Book.. 75954					

Owner.. Compania Lama De Vapores S.A.   Builder. Sun Shipbuilding and Dry Dock Co.   Hull No....... 153

Moulded dimensions   425' × 64' × 34' (85% = 28.9')   Normal Beam – Arc Form – – 59'

Moulded displacement at a moulded draught of 85 per cent. of moulded depth 16340

Coefficient of fineness for use with tables ... .727

DEPTH FOR FREEBOARD.

Moulded depth 34.00
Stringer plate ... (.60") .05
Sheating in wells }
$T\left(\dfrac{L-S}{L}\right)$ = ... -
Depth D = 34.05

CORRECTION FOR DEPTH.

(a) When D is greater than $\dfrac{L}{15}$

$\left(D - \dfrac{L}{15}\right) \times R = (34.05 - 28.33) \times 3.00 = +17.16$ 5.72

(b) When D is less than $\dfrac{L}{15}$ (if allowed)

$\left(\dfrac{L}{15} - D\right) \times R = $ -

If restricted by height of superstructures ... ...   -

CAMBER

Standard $\dfrac{64 \times 12}{50}$ = ... 15.36
Ship 15.50
Difference ... ... .14
Restricted to ... ...
Allowance = $\dfrac{\text{Difference}}{4} \times \left(1 - \dfrac{S_1}{L}\right) = \dfrac{.14}{4} \times .6118 = -.02$

SUPERSTRUCTURES

		Mean Covered Length S.	Effective Length S₁. (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
Poop	enclosed	92.00	92.00	8.00		92.00
"	overhang	-				
R.Q.D.	enclosed	-				
"	overhang	-				
Bridge	enclosed	35.00	35.00	8.00		35.00
"	overhang aft ...	-				
"	overhang forward ...	-				
F'cle	enclosed	38.00	38.00	8.00		38.00
"	overhang	-				
Trunks	forward ...					
"	aft ...					
Tonnage opening						
	Total =	165.00	165.00			165.00
	Length of ship (L) =	425.00	425.00			425.00
	% Covered ... =	38.82%	38.82%			38.82%

Corresponding %, corrected for absence of forecastle if required } A = Tanker   B = 29.82   Correction for Bridge less than ·2 L if required } 12.60

Allowance ... ... 42.00 × .2982 = -12.52"

SHEER.

Station.		Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P.	1	54.00	52.50	52.50	1	52.50
	2	26.00	23.35	23.35	4	93.40
	3	3.50	5.78	5.78	2	11.56
	4	-	-	-	4	-
	5	-	11.56	-	2	-
	6	30.00	46.70	30.00	4	120.00
F.P.	7	108.00	105.00	108.00	1	108.00

18) 385.46
21.41

Mean effective sheer ... ... = 21.41
Standard sheer ·05 L + 5 = = 26.25
Difference (Df) ... ... = 4.84
Allowance = Df × $\left(.75 - \dfrac{S}{2L}\right)$ = 4.84 × .5559 = + 2.69"
If limited on account of amidship superstructure ... =
If limited on account of excess sheer (1½ in. per 100 ft.) ... =

If excess sheer forward and deficient sheer aft :—

$\dfrac{\text{Actual sheer aft}}{\text{Standard sheer aft}}$ = Excess

$\dfrac{\text{Actual sheer forward}}{\text{Standard sheer forward}}$ = Deficient

Length of enclosed superstructure
L
Forward of amidships =
Aft of amidships =

DRAFTS.

Moulded Depth D = 34.05'
Stringer Plate = (or Wood Deck)
Freeboard 6.52'
Moulded draught 27.53'
Addition for keel below base line .20'
Extreme draught 27.73'

F. W. ALLOWANCE

Displacement 154.40
Tons per inch = 54.1 at 27'6"
$\dfrac{154.40}{40 \times 54.1}$ = 7¼"

TABULAR FREEBOARD (corrected for flush deck if required) = 68.65

Corrected for Coefficient $\dfrac{.727 \cdot 68}{1 \cdot 36} = \dfrac{1.407}{1.36}$ = 71.02

Correction for Depth ...	+	-
	17.16	12.52
" Superstructures ..		
" Sheer ...	2.69	
" Camber ...	-	.02
" Thickness of deck	-	
" Scantlings, etc ...	-	
	19.85	12.54

+ 7.31

Summer Freeboard = 78.33

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Upper Deck :— 6' 6¼" 1988 mm
Tropical Fresh Water Line (above center of Disc) 14¼" 362mm Tropical Fresh Water Freeboard 5' 4" 1626 mm
Fresh Water Line   "   "   " 7¼" 184mm Fresh Water 5' 11⅛" 1804 mm
Tropical Line   "   "   " 7" 178mm Tropical 5' 11¼" 1810 mm
Winter Line   (below   "   ") 7" 178mm Winter 7' 1⅛" 2166 mm
Winter North Atlantic Line   "   "   " 11¼" 286mm Winter North Atlantic 7' 5⅜" 2274 mm

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Is the poop ~~or raised quarter~~ deck connected with the bridge? **No**
Has the poop ~~or raised quarter~~ deck an efficient steel bulkhead at the fore end? **Yes**
Give particulars of the means of closing the openings in this bulkhead (Rules 43 and 44) **1 (p & s) Hinged Steel W. T. Doors**
Has the bridge an efficient steel bulkhead at the fore end? **Yes**
Give particulars of the means of closing the openings in this bulkhead **1 Hinged Steel W. T. Door, openings from both sides**
Has the bridge an efficient steel bulkhead at the after end? **Yes**
Give particulars of the means of closing the openings in this bulkhead **1 bolted plate and 1 hinged steel W.T. door, opening both sides**
Has the forecastle an efficient steel bulkhead at the after end? **Yes**
Give particulars of the means of closing the openings in this bulkhead **1 (s) Hinged steel W. T. Door. 1 (Cr.) Hook bolted plate.**
Are the engine and boiler openings covered by a bridge, poop, raised quarter-deck, or enclosed by a strong steel deckhouse? **Poop and Steel Deckhouse**
If the openings are not so protected, are the exposed parts of the casing efficiently constructed? **Yes**
Give thickness of plating, scantlings and spacing of stiffeners **.42, 5 x 3 x .42 angle, spaced 31"**
Are Rules Nos. 19, 20, 21 and 22 complied with (where applicable)? **Yes**

Particulars of bulkheads of erections:

	Poop ~~or raised quarter~~ Deck ~~front~~	Bridge front bulkhead	Bridge after bulkhead	Forecastle bulkhead
Thickness of bulkhead plating	.46	.46	.38 inverted angle	.38
Scantlings of stiffeners	10 x 4 x 4 x .54	8 x 4 x .62 inverted angle	3x2½x.38 angle	4 x 3 x .32 angle
Spacing of stiffeners, and if bracketed	36 Lugs top & bottom	33" Brackets top, lugs bottom	33", Bkts. top, welded bottom	32, brackets top only
Height of sills of openings above deck	19"	24"	24"	14 & 18"

Particulars of weather deck hatchways. (In case of complete superstructure vessels having tonnage openings, give, in addition, particulars of 2nd deck hatchways, and also of those in bridge spaces closed by Class 2 appliances, or in open bridges).

Position and Size.	Dry Hold–10'x15'4"		In Focle. 3' x 3'		O.T. Hatchways 54" D		Aft End Poop Dk. 36"x32"			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	32"		12"		30"		24"			
Thickness { Sides	.44		.38		.42		.42			
Thickness { Ends	.44		.38				.42			
SHIFTING BEAMS OR WEB PLATES. { Number	–		–		–		–			
{ Section and Scantlings	–		–		–		–			
{ Material	–		–		–		–			
* FORE AND AFTERS. { Number	–		–		–		–			
{ Section and Scantlings	–		–		–		–			
{ Material	–		–		–		–			
HATCHES Thickness	W.T. Steel		W.T. Steel		O.T. Steel Hinged		W. T. Steel Hinged			
Remarks	Hatch Cover		Cover		Hatch Cover		Hatch Cover			

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

Are Rules 12, 13, 14, 15, 16, 17, 18 complied with as far as practicable? **Yes**
Are hatchway coamings stiffened in accordance with Rule 9? **Yes**

Length of bulwarks in wells—forward: **–** feet; aft: **–** feet. **Open Rails**

Area of freeing ports required by regulations (Rules 30 and 100) forward: **–** sq. ft.; aft: **–** sq. ft. **–**
No. Ft. × Ft.

Particulars of freeing ports fitted { forward well } **–** sq. ft.
on each side of vessel { after well } **–** = **–** sq.ft. **–**

Are Rules 23 and 24 complied with as far as practicable? **Yes**
Are air pipes to tanks in accordance with Rule 25? **Yes**
Are all scuppers and sanitary discharge pipes in accordance with Rule 27? **Yes**

In oil tankers, what is the extent of the fore and aft gangway? **Poop to Bridge** Are the crew berthed in the forecastle? (Rule 96). **No**
Is the gangway strong and efficiently braced fore and aft? **as originally fitted** State spacing of supports **13** feet.
In oil tankers, are the bulwarks open for at least half the length of the exposed portion of the weather deck? (Rule 100) **Yes**
Are Rules Nos. 95, 97, 98 and 99 complied with as far as practicable? **Yes**

If the vessel has a complete superstructure deck with a tonnage opening, is the latter fitted with efficient temporary covers? **–**
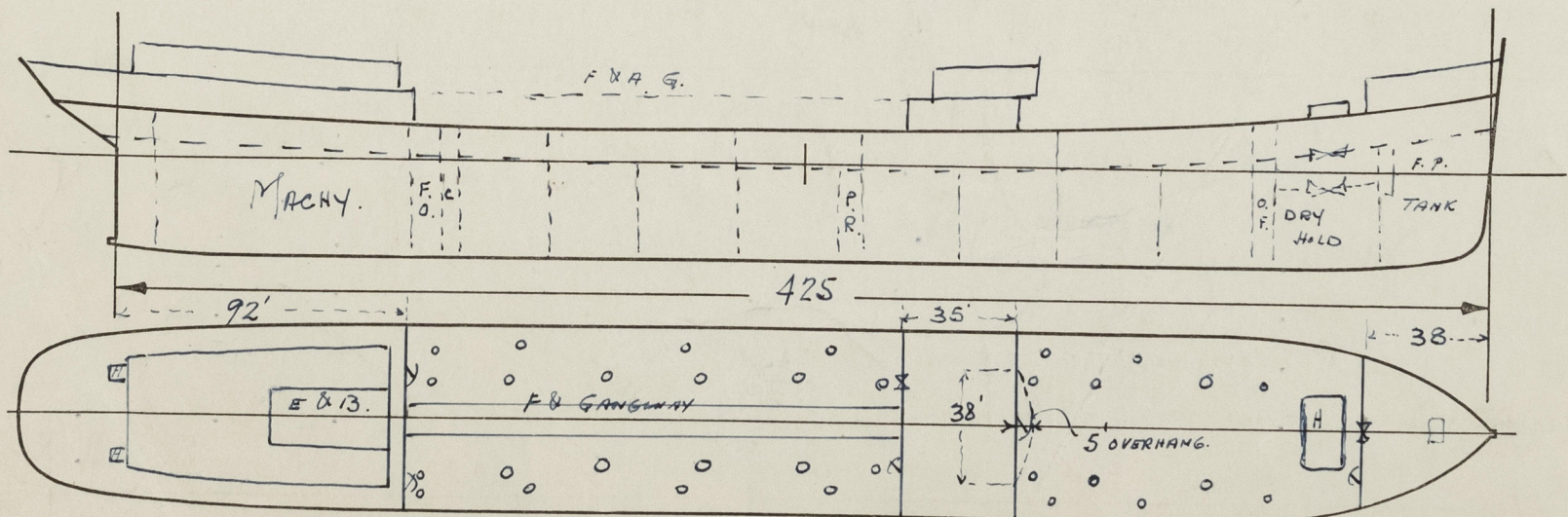
Indicate thickness and extent of any deck covering, and extent of erections, with dimensions, showing overhang (if any).
Indicate position of scuppers from tonnage-exempted spaces above freeboard deck.

Sister vessels: **–**

Fee: **$100.00**   Expenses (if any) **$50.00**

Surveyor to Lloyd's Register of Shipping.