

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD - STEAMERS

(Under the Provisions of the U. S. A. Load Line Act of March 2, 1929)

14 FEB 1942

GAL RPT. N. F25.

New York City 29963
Port of Survey GALVESTON
Date of Survey 13 July 41
Name of Surveyor Wm Rennie

Ship's Name. "GULFWAX"
S.S. Philadelphia
Number in Register Book 75277
Owner Gulf Oil Corporation
Moulded dimensions 480.0' x 65.45' x 37.0' (85% = 31.45')
Moulded displacement at a moulded draught of 85 per cent. of moulded depth 222.00
Coefficient of fineness for use with tables. 782
Port of Registry U.S.A. 221612
Official Number 8862
Gross Tonnage 1921.9
Date of Build. 1921-9
Particulars of Classification. +100 A1, Shelter Deck with freeboard, Carrying Petroleum in Bulk.
Hull No. See letter

DEPTH FOR FREEBOARD.		CORRECTION FOR DEPTH.		CAMBER	
Moulded depth	37.00'	(a) When D is greater than $\frac{L}{15}$	$(D - \frac{L}{15}) \times R = (37.08 - 32.00) \times 3 = 15.24$	Standard $\frac{6575 \times 12}{50} = 15.78$	
Stringer plate	94"	(b) When D is less than $\frac{L}{15}$ (if allowed)	$(\frac{L}{15} - D) \times R = \dots$	Ship ... 16.6 equiv 1.8"	
Sheathing in wells		If restricted by height of superstructures		Difference88 ... 2.22	
$T(\frac{L-S}{L}) =$				Restricted to88 x 9.470 = 8.32	
Depth D =	37.08			Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = \frac{2.22}{4} \times (1 - \frac{9.47}{37}) = .52$	

SUPERSTRUCTURES. Forecastle (open) on Shelter Deck.				
	Mean Covered Length S.	Effective Length S. (Uncorrected for Height)	Height.	Correction for Height.
Poop enclosed				
" overhang				
R.Q.D. enclosed				
" overhang				
Bridge enclosed				
" overhang aft				
" overhang forward				
F'cle enclosed	43.67	25.42	7'-6"	
" overhang (none)	46.00	26.76		
Trunks forward				
" aft				
Tonnage opening				
Total =	46.00	26.76	25.42	
Length of ship (L) =	480	480	480	
% Covered ... =	9.09	5.58	5.30	
Corresponding %, corrected for absence of forecastle if required } A =		B = Tanker 3.91%		
Allowance ... =	42.00	0.391		
				Correction for Bridge less than 2L if required } = -1.64" -1.56"

SHEER.					
Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	56	58.00	56	1	56
2	14	15.81	14	4	56
3	-	6.38	-	2	
4	-	12.76	-	4	
5	-	51.62	-	2	
6	24	116.00	24	4	96
F.P. 7	108	116.00	108	1	108
Mean effective sheer ...				18)	316
Standard sheer .05 L + 5 =					17.87
Difference (Df) ...		11.13			29.00
Allowance = $Df \times (.75 - \frac{S}{2L}) = 11.45 \times .7021$					11.45
If limited on account of amidship superstructure					18.04
If limited on account of excess sheer (1 1/2 in. per 100 ft.)					7.84

DRAFTS.		F. W. ALLOWANCE		TABULAR FREEBOARD (corrected for flush deck if required)	
Moulded Depth D =	37'-0"	Displacement =		Corrected for Coefficient $\frac{782 + .68}{1.36} = 1.462$	82.70
Stringer Plate = (or Wood Deck)	1"	Tons per inch =			88.90
Freeboard	37'-1"			Correction for Depth ...	
Moulded draught	9'-2"			" Superstructures ...	15.24
Addition for keel below base line	2'-2"			" Sheer ...	8.04
Extreme draught	28'-1 1/2"			" Camber ...	7.84
				" Thickness of deck ...	23.08
				" Scantlings, etc. ...	23.28
					21.31
					+21.12
				Summer Freeboard =	180.02

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, W. Shelter Deck:-			
Tropical Fresh Water Line (above center of Disc)	15"	Fresh Water	7'-11"
Tropical Line	8"	"	8'-1"
Winter Line	7"	"	8'-7"
Winter North Atlantic Line	7"	"	9'-9"
	11 3/4"	"	10'-1 3/4"

(These should be consulted when completing the report.)

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? no poop

Give particulars of the means of closing the openings in this bulkhead. (Rules 43 and 44) no Bulkhead.

Has the bridge an efficient steel bulkhead at the fore end? no Bulkhead.

Give particulars of the means of closing the openings in this bulkhead.

Has the bridge an efficient steel bulkhead at the after end? yes.

Give particulars of the means of closing the openings in this bulkhead. Open on Port & Starboard Side.

Has the forecastle an efficient steel bulkhead at the after end? yes.

Give particulars of the means of closing the openings in this bulkhead. Exposed forward end Boiler casing

Are the engine and boiler openings covered by a bridge, poop, raised quarter deck, or enclosed by a strong steel deckhouse? yes.

If the openings are not so protected, are the exposed parts of the casing efficiently constructed? is strongly constructed - no open

Give thickness of plating, scantlings and spacing of stiffeners. 7/16 pl. alt 4' x 8' x 3/8 L.S. & 6' x 3 1/2' x 3/8 Ch. sp 18"

Are Rules Nos. 19, 20, 21 and 22 complied with (where applicable)? yes.

Particulars of bulkheads of erections:

	Poop or Raised Quarter-Deck Bulkhead	Bridge front bulkhead	Bridge after bulkhead	Forecastle bulkhead
Thickness of bulkhead plating				vert. pl. 3/8"
Scantlings of stiffeners				4' x 3' x 3/8" L.S. also 2' x 6' x 3/2 x 3/8"
Spacing of stiffeners, and if bracketed				39", no.
Height of sills of openings above deck				4'-6" opening P.S. no sills.

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.	11'-0" x 17'-0"	20 at 6'-0" x 4'-0"							
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
Height above top of DECK	30'		30'		15'		Fuel Oil Cargo		
Thickness { Sides.....	.42		.40		.40		Hatches, Same		
{ Ends.....	.42		.40		.40		as main		
COVERING { Number.....	none						Cargo Hatches.		
{ Section and	Cover								
{ Scantlings.....	Stiffeners								
{ Material.....	6' x 3 1/2' x 3/8 CH.								
{ Material.....	SP 24"								
FORE AND AFTERS { Number.....	none								
{ Section and									
{ Scantlings.....									
{ Material.....									
COAMINGS Thickness	7/16" strong hinged		3/8" hinged Steel		Bolted Steel Cover.				
Remarks	Steel w. T. Cover.		O.T. cover.		with O.T. hinged				

* 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: 317.1 feet.

Area of freeing ports required by regulations (Rules 30 and 100) forward: _____ sq. ft.; aft: _____ sq. ft.

No. Ft. X Ft.

Particulars of freeing ports fitted { forward } open rails. sq. ft.

on each side of vessel { after } _____ 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.

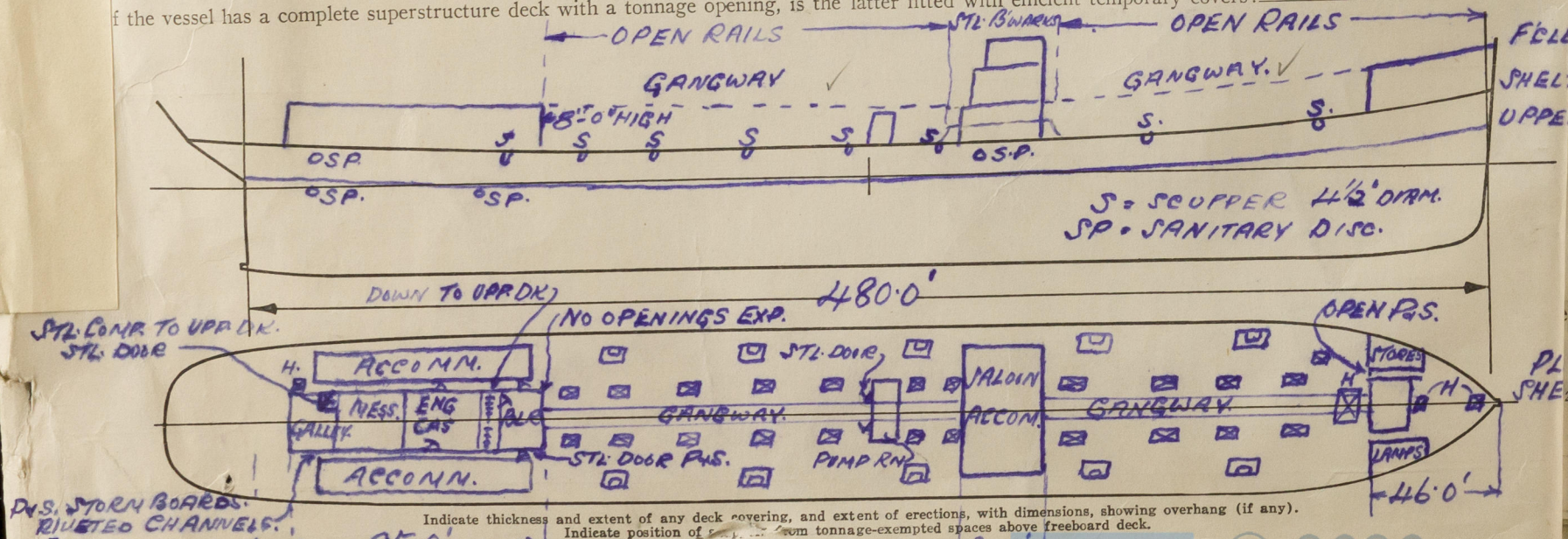
From Fore to Bridge House & Bridge House to After deck house. no.

Are the crew berthed in the forecastle? (Rule 96) no.

Are the gangway strong and efficiently braced fore and aft? yes. State spacing of supports 8 feet.

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?



Sister vessels:

Fee: \$110

Expenses (if any)

\$10.00 Special Attendance

\$10.25

Surveyor to Lloyd's Register of Shipping

Foundation