



# BARGE "DBL 319"

## ULLAGE TRIM TABLE

FORMERLY "TCT 103"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-1/2	- 01-1/2	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 04'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-03"

February 10, 2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 319"

# 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		
0		0	220,195	0	206,151	0	192,051	0	177,153	0	161,930	0	146,707	0	131,485	0	116,262	0	101,036	
1/4	1/4	219,980	1/4	205,865	1/4	191,748	1/4	176,835	1/4	161,613	1/4	146,390	1/4	131,168	1/4	115,945	1/4	100,719	1/4	100,401
1/2	1/2	219,765	1/2	205,580	1/2	191,446	1/2	176,518	1/2	161,296	1/2	146,073	1/2	130,850	1/2	115,628	1/2	100,401	1/2	100,401
3/4	3/4	219,550	3/4	205,294	3/4	191,143	3/4	176,201	3/4	160,979	3/4	145,756	3/4	130,533	3/4	115,311	3/4	100,084	3/4	100,084
1		1	219,284	1	205,007	1	190,839	1	175,884	1	160,661	1	145,439	1	130,216	1	114,994	1	99,767	
1/4	1/4	219,019	1/4	204,721	1/4	190,534	1/4	175,567	1/4	160,344	1/4	145,122	1/4	129,899	1/4	114,676	1/4	99,450	1/4	99,450
1/2	1/2	218,753	1/2	204,434	1/2	190,230	1/2	175,250	1/2	160,027	1/2	144,805	1/2	129,582	1/2	114,359	1/2	99,132	1/2	99,132
3/4	3/4	218,487	3/4	204,147	3/4	189,926	3/4	174,933	3/4	159,710	3/4	144,487	3/4	129,265	3/4	114,042	3/4	98,815	3/4	98,815
2		2	218,179	2	203,859	2	189,621	2	174,615	2	159,393	2	144,170	2	128,948	2	113,725	2	98,498	
1/4	1/4	217,872	1/4	203,571	1/4	189,315	1/4	174,298	1/4	159,076	1/4	143,853	1/4	128,630	1/4	113,408	1/4	98,181	1/4	98,181
1/2	1/2	217,565	1/2	203,283	1/2	189,010	1/2	173,981	1/2	158,759	1/2	143,536	1/2	128,313	1/2	113,091	1/2	97,863	1/2	97,863
3/4	3/4	217,258	3/4	202,995	3/4	188,704	3/4	173,664	3/4	158,441	3/4	143,219	3/4	127,996	3/4	112,774	3/4	97,546	3/4	97,546
3		3	216,945	3	202,705	3	188,398	3	173,347	3	158,124	3	142,902	3	127,679	3	112,456	3	97,229	
1/4	1/4	216,632	1/4	202,415	1/4	188,091	1/4	173,030	1/4	157,807	1/4	142,585	1/4	127,362	1/4	112,139	1/4	96,912	1/4	96,912
1/2	1/2	216,319	1/2	202,126	1/2	187,784	1/2	172,713	1/2	157,490	1/2	142,267	1/2	127,045	1/2	111,822	1/2	96,594	1/2	96,594
3/4	3/4	216,006	3/4	201,836	3/4	187,477	3/4	172,396	3/4	157,173	3/4	141,950	3/4	126,728	3/4	111,505	3/4	96,277	3/4	96,277
4		4	215,693	4	201,545	4	187,169	4	172,078	4	156,856	4	141,633	4	126,411	4	111,188	4	95,960	
1/4	1/4	215,380	1/4	201,255	1/4	186,861	1/4	171,761	1/4	156,539	1/4	141,316	1/4	126,093	1/4	110,871	1/4	95,643	1/4	95,643
1/2	1/2	215,067	1/2	200,964	1/2	186,553	1/2	171,444	1/2	156,221	1/2	140,999	1/2	125,776	1/2	110,554	1/2	95,325	1/2	95,325
3/4	3/4	214,754	3/4	200,673	3/4	186,245	3/4	171,127	3/4	155,904	3/4	140,682	3/4	125,459	3/4	110,236	3/4	95,008	3/4	95,008
5		5	214,441	5	200,380	5	185,935	5	170,810	5	155,587	5	140,365	5	125,142	5	109,919	5	94,691	
1/4	1/4	214,128	1/4	200,088	1/4	185,626	1/4	170,493	1/4	155,270	1/4	140,047	1/4	124,825	1/4	109,602	1/4	94,374	1/4	94,374
1/2	1/2	213,815	1/2	199,796	1/2	185,316	1/2	170,176	1/2	154,953	1/2	139,730	1/2	124,508	1/2	109,285	1/2	94,056	1/2	94,056
3/4	3/4	213,502	3/4	199,504	3/4	185,007	3/4	169,858	3/4	154,636	3/4	139,413	3/4	124,191	3/4	108,967	3/4	93,739	3/4	93,739
6		6	213,189	6	199,210	6	184,696	6	169,541	6	154,319	6	139,096	6	123,873	6	108,650	6	93,422	
1/4	1/4	212,876	1/4	198,917	1/4	184,385	1/4	169,224	1/4	154,002	1/4	138,779	1/4	123,556	1/4	108,333	1/4	93,105	1/4	93,105
1/2	1/2	212,563	1/2	198,623	1/2	184,074	1/2	168,907	1/2	153,684	1/2	138,462	1/2	123,239	1/2	108,016	1/2	92,787	1/2	92,787
3/4	3/4	212,249	3/4	198,329	3/4	183,763	3/4	168,590	3/4	153,367	3/4	138,145	3/4	122,922	3/4	107,698	3/4	92,470	3/4	92,470
7		7	211,939	7	198,033	7	183,451	7	168,273	7	153,050	7	137,827	7	122,605	7	107,381	7	92,153	
1/4	1/4	211,628	1/4	197,737	1/4	183,139	1/4	167,956	1/4	152,733	1/4	137,510	1/4	122,288	1/4	107,064	1/4	91,836	1/4	91,836
1/2	1/2	211,317	1/2	197,441	1/2	182,827	1/2	167,638	1/2	152,416	1/2	137,193	1/2	121,971	1/2	106,747	1/2	91,518	1/2	91,518
3/4	3/4	211,006	3/4	197,145	3/4	182,515	3/4	167,321	3/4	152,099	3/4	136,876	3/4	121,653	3/4	106,429	3/4	91,201	3/4	91,201
8		8	210,713	8	196,847	8	182,202	8	167,004	8	151,782	8	136,559	8	121,336	8	106,112	8	90,884	
1/4	1/4	210,419	1/4	196,550	1/4	181,888	1/4	166,687	1/4	151,464	1/4	136,242	1/4	121,019	1/4	105,795	1/4	90,567	1/4	90,567
1/2	1/2	210,125	1/2	196,252	1/2	181,575	1/2	166,370	1/2	151,147	1/2	135,925	1/2	120,702	1/2	105,478	1/2	90,249	1/2	90,249
3/4	3/4	209,832	3/4	195,955	3/4	181,261	3/4	166,053	3/4	150,830	3/4	135,608	3/4	120,385	3/4	105,160	3/4	89,932	3/4	89,932
9		9	209,550	9	195,656	9	180,947	9	165,736	9	150,513	9	135,290	9	120,068	9	104,843	9	89,615	
1/4	1/4	209,269	1/4	195,357	1/4	180,632	1/4	165,418	1/4	150,196	1/4	134,973	1/4	119,751	1/4	104,526	1/4	89,298	1/4	89,298
1/2	1/2	208,987	1/2	195,058	1/2	180,317	1/2	165,101	1/2	149,879	1/2	134,656	1/2	119,433	1/2	104,209	1/2	88,980	1/2	88,980
3/4	3/4	208,705	3/4	194,760	3/4	180,002	3/4	164,784	3/4	149,562	3/4	134,339	3/4	119,116	3/4	103,891	3/4	88,663	3/4	88,663
10		10	208,423	10	194,459	10	179,686	10	164,467	10	149,244	10	134,022	10	118,799	10	103,574	10	88,346	
1/4	1/4	208,140	1/4	194,159	1/4	179,370	1/4	164,150	1/4	148,927	1/4	133,705	1/4	118,482	1/4	103,257	1/4	88,029	1/4	88,029
1/2	1/2	207,857	1/2	193,859	1/2	179,054	1/2	163,833	1/2	148,610	1/2	133,388	1/2	118,165	1/2	102,940	1/2	87,711	1/2	87,711
3/4	3/4	207,574	3/4	193,559	3/4	178,738	3/4	163,516	3/4	148,293	3/4	133,070	3/4	117,848	3/4	102,622	3/4	87,394	3/4	87,394
11		11	207,289	11	193,258	11	178,421	11	163,199	11	147,976	11	132,753	11	117,531	11	102,305	11	87,077	
1/4	1/4	207,005	1/4	192,957	1/4	178,104	1/4	162,881	1/4	147,659	1/4	132,436	1/4	117,213	1/4	101,988	1/4	86,759	1/4	86,759
1/2	1/2	206,721	1/2	192,655	1/2	177,787	1/2	162,564	1/2	147,342	1/2	132,119	1/2	116,896	1/2	101,671	1/2	86,442	1/2	86,442
3/4	3/4	220,410	3/4	206,436	3/4	192,354	3/4	177,470	3/4	162,247	3/4	147,024	3/4	131,802	3/4	116,579	3/4	101,353	3/4	86,125

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE  
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
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# BARGE "DBL 319"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-07 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,808	0	70,579	0	55,351	0	40,142	0	24,916	0	9,688	0		0		0		0	
1/4	85,490	1/4	70,262	1/4	55,034	1/4	39,825	1/4	24,599	1/4	9,371	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,173	1/2	69,945	1/2	54,717	1/2	39,509	1/2	24,281	1/2	9,054	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,856	3/4	69,628	3/4	54,399	3/4	39,192	3/4	23,964	3/4	8,736	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	84,539	1	69,310	1	54,082	1	38,875	1	23,647	1	8,419	1	1	1	1	1	1	1	1
1/4	84,221	1/4	68,993	1/4	53,765	1/4	38,557	1/4	23,330	1/4	8,101	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,904	1/2	68,676	1/2	53,448	1/2	38,240	1/2	23,012	1/2	7,783	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,587	3/4	68,359	3/4	53,130	3/4	37,923	3/4	22,695	3/4	7,467	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,270	2	68,041	2	52,813	2	37,606	2	22,378	2	7,150	2	2	2	2	2	2	2	2
1/4	82,952	1/4	67,724	1/4	52,496	1/4	37,288	1/4	22,061	1/4	6,833	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,635	1/2	67,407	1/2	52,179	1/2	36,971	1/2	21,743	1/2	6,516	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,318	3/4	67,090	3/4	51,862	3/4	36,654	3/4	21,426	3/4	6,199	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,001	3	66,772	3	51,545	3	36,337	3	21,109	3	5,881	3	3	3	3	3	3	3	3
1/4	81,683	1/4	66,455	1/4	51,228	1/4	36,019	1/4	20,792	1/4	5,564	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,366	1/2	66,138	1/2	50,911	1/2	35,702	1/2	20,474	1/2	5,247	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,049	3/4	65,821	3/4	50,595	3/4	35,385	3/4	20,157	3/4	4,930	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,732	4	65,503	4	50,278	4	35,068	4	19,840	4	4,616	4	4	4	4	4	4	4	4
1/4	80,414	1/4	65,186	1/4	49,961	1/4	34,750	1/4	19,523	1/4	4,302	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,097	1/2	64,869	1/2	49,644	1/2	34,433	1/2	19,205	1/2	3,988	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,780	3/4	64,552	3/4	49,328	3/4	34,116	3/4	18,888	3/4	3,674	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	79,463	5	64,234	5	49,011	5	33,799	5	18,572	5	3,390	5	5	5	5	5	5	5	5
1/4	79,145	1/4	63,917	1/4	48,694	1/4	33,481	1/4	18,255	1/4	3,105	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,828	1/2	63,600	1/2	48,377	1/2	33,164	1/2	17,939	1/2	2,821	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,511	3/4	63,283	3/4	48,061	3/4	32,847	3/4	17,619	3/4	2,537	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,194	6	62,965	6	47,744	6	32,530	6	17,302	6	2,306	6	6	6	6	6	6	6	6
1/4	77,876	1/4	62,648	1/4	47,427	1/4	32,212	1/4	16,985	1/4	2,074	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,559	1/2	62,331	1/2	47,111	1/2	31,895	1/2	16,668	1/2	1,843	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,242	3/4	62,014	3/4	46,794	3/4	31,578	3/4	16,350	3/4	1,612	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	76,925	7	61,696	7	46,477	7	31,261	7	16,033	7	1,433	7	7	7	7	7	7	7	7
1/4	76,607	1/4	61,379	1/4	46,160	1/4	30,943	1/4	15,716	1/4	1,255	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,290	1/2	61,062	1/2	45,844	1/2	30,626	1/2	15,399	1/2	1,076	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,973	3/4	60,745	3/4	45,527	3/4	30,309	3/4	15,081	3/4	898	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,656	8	60,427	8	45,210	8	29,992	8	14,764	8		8	8	8	8	8	8	8	8
1/4	75,338	1/4	60,110	1/4	44,893	1/4	29,674	1/4	14,447	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,021	1/2	59,793	1/2	44,577	1/2	29,357	1/2	14,130	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,704	3/4	59,476	3/4	44,260	3/4	29,040	3/4	13,812	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,387	9	59,158	9	43,943	9	28,723	9	13,495	9		9	9	9	9	9	9	9	9
1/4	74,069	1/4	58,841	1/4	43,626	1/4	28,406	1/4	13,178	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,752	1/2	58,524	1/2	43,310	1/2	28,088	1/2	12,861	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,435	3/4	58,206	3/4	42,993	3/4	27,771	3/4	12,543	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,118	10	57,889	10	42,676	10	27,454	10	12,226	10		10	10	10	10	10	10	10	10
1/4	72,800	1/4	57,572	1/4	42,359	1/4	27,137	1/4	11,909	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,483	1/2	57,255	1/2	42,043	1/2	26,819	1/2	11,592	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,166	3/4	56,937	3/4	41,726	3/4	26,502	3/4	11,274	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	71,848	11	56,620	11	41,409	11	26,185	11	10,957	11		11	11	11	11	11	11	11	11
1/4	71,531	1/4	56,303	1/4	41,092	1/4	25,868	1/4	10,640	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,214	1/2	55,986	1/2	40,776	1/2	25,550	1/2	10,323	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,897	3/4	55,668	3/4	40,459	3/4	25,233	3/4	10,005	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL  
CALCULATED: 02/25/2015 CL  
PRINTED: 03/01/20015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "DBL 319"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	206,616	0	192,552	0	177,686	0	162,465	0	147,244	0	132,023	0	116,803	0	101,579
1/4		1/4	220,303	1/4	206,332	1/4	192,251	1/4	177,369	1/4	162,148	1/4	146,927	1/4	131,706	1/4	116,486	1/4	101,261
1/2		1/2	220,088	1/2	206,046	1/2	191,948	1/2	177,052	1/2	161,831	1/2	146,610	1/2	131,389	1/2	116,168	1/2	100,944
3/4		3/4	219,873	3/4	205,761	3/4	191,646	3/4	176,735	3/4	161,514	3/4	146,293	3/4	131,072	3/4	115,851	3/4	100,627
1		1	219,658	1	205,475	1	191,343	1	176,417	1	161,197	1	145,976	1	130,755	1	115,534	1	100,310
1/4		1/4	219,443	1/4	205,190	1/4	191,040	1/4	176,100	1/4	160,880	1/4	145,659	1/4	130,438	1/4	115,217	1/4	99,992
1/2		1/2	219,178	1/2	204,903	1/2	190,736	1/2	175,783	1/2	160,562	1/2	145,342	1/2	130,121	1/2	114,900	1/2	99,675
3/4		3/4	218,912	3/4	204,616	3/4	190,432	3/4	175,466	3/4	160,245	3/4	145,025	3/4	129,804	3/4	114,583	3/4	99,358
2		2	218,646	2	204,329	2	190,128	2	175,149	2	159,928	2	144,707	2	129,487	2	114,266	2	99,041
1/4		1/4	218,380	1/4	204,043	1/4	189,824	1/4	174,832	1/4	159,611	1/4	144,390	1/4	129,170	1/4	113,949	1/4	98,724
1/2		1/2	218,073	1/2	203,754	1/2	189,518	1/2	174,515	1/2	159,294	1/2	144,073	1/2	128,852	1/2	113,632	1/2	98,406
3/4		3/4	217,766	3/4	203,466	3/4	189,213	3/4	174,198	3/4	158,977	3/4	143,756	3/4	128,535	3/4	113,315	3/4	98,089
3		3	217,459	3	203,178	3	188,907	3	173,881	3	158,660	3	143,439	3	128,218	3	112,997	3	97,772
1/4		1/4	217,151	1/4	202,890	1/4	188,602	1/4	173,564	1/4	158,343	1/4	143,122	1/4	127,901	1/4	112,680	1/4	97,455
1/2		1/2	216,839	1/2	202,601	1/2	188,295	1/2	173,246	1/2	158,026	1/2	142,805	1/2	127,584	1/2	112,363	1/2	97,138
3/4		3/4	216,526	3/4	202,311	3/4	187,989	3/4	172,929	3/4	157,709	3/4	142,488	3/4	127,267	3/4	112,046	3/4	96,820
4		4	216,213	4	202,022	4	187,682	4	172,612	4	157,391	4	142,171	4	126,950	4	111,729	4	96,503
1/4		1/4	215,900	1/4	201,732	1/4	187,375	1/4	172,295	1/4	157,074	1/4	141,854	1/4	126,633	1/4	111,412	1/4	96,186
1/2		1/2	215,587	1/2	201,441	1/2	187,067	1/2	171,978	1/2	156,757	1/2	141,536	1/2	126,316	1/2	111,095	1/2	95,869
3/4		3/4	215,274	3/4	201,150	3/4	186,759	3/4	171,661	3/4	156,440	3/4	141,219	3/4	125,999	3/4	110,778	3/4	95,551
5		5	214,961	5	200,860	5	186,451	5	171,344	5	156,123	5	140,902	5	125,681	5	110,461	5	95,234
1/4		1/4	214,648	1/4	200,569	1/4	186,143	1/4	171,027	1/4	155,806	1/4	140,585	1/4	125,364	1/4	110,143	1/4	94,917
1/2		1/2	214,335	1/2	200,277	1/2	185,833	1/2	170,710	1/2	155,489	1/2	140,268	1/2	125,047	1/2	109,826	1/2	94,600
3/4		3/4	214,022	3/4	199,984	3/4	185,524	3/4	170,393	3/4	155,172	3/4	139,951	3/4	124,730	3/4	109,509	3/4	94,283
6		6	213,709	6	199,692	6	185,214	6	170,075	6	154,855	6	139,634	6	124,413	6	109,192	6	93,965
1/4		1/4	213,396	1/4	199,400	1/4	184,905	1/4	169,758	1/4	154,538	1/4	139,317	1/4	124,096	1/4	108,875	1/4	93,648
1/2		1/2	213,083	1/2	199,106	1/2	184,594	1/2	169,441	1/2	154,220	1/2	139,000	1/2	123,779	1/2	108,557	1/2	93,331
3/4		3/4	212,770	3/4	198,813	3/4	184,283	3/4	169,124	3/4	153,903	3/4	138,683	3/4	123,462	3/4	108,240	3/4	93,014
7		7	212,457	7	198,519	7	183,972	7	168,807	7	153,586	7	138,365	7	123,145	7	107,923	7	92,696
1/4		1/4	212,144	1/4	198,226	1/4	183,662	1/4	168,490	1/4	153,269	1/4	138,048	1/4	122,828	1/4	107,606	1/4	92,379
1/2		1/2	211,833	1/2	197,930	1/2	183,350	1/2	168,173	1/2	152,952	1/2	137,731	1/2	122,510	1/2	107,288	1/2	92,062
3/4		3/4	211,522	3/4	197,634	3/4	183,037	3/4	167,856	3/4	152,635	3/4	137,414	3/4	122,193	3/4	106,971	3/4	91,745
8		8	211,212	8	197,337	8	182,725	8	167,539	8	152,318	8	137,097	8	121,876	8	106,654	8	91,428
1/4		1/4	210,901	1/4	197,041	1/4	182,413	1/4	167,222	1/4	152,001	1/4	136,780	1/4	121,559	1/4	106,337	1/4	91,110
1/2		1/2	210,607	1/2	196,744	1/2	182,100	1/2	166,904	1/2	151,684	1/2	136,463	1/2	121,242	1/2	106,020	1/2	90,793
3/4		3/4	210,314	3/4	196,446	3/4	181,787	3/4	166,587	3/4	151,367	3/4	136,146	3/4	120,925	3/4	105,702	3/4	90,476
9		9	210,020	9	196,149	9	181,473	9	166,270	9	151,049	9	135,829	9	120,608	9	105,385	9	90,159
1/4		1/4	209,726	1/4	195,851	1/4	181,160	1/4	165,953	1/4	150,732	1/4	135,512	1/4	120,291	1/4	105,068	1/4	89,842
1/2		1/2	209,445	1/2	195,553	1/2	180,845	1/2	165,636	1/2	150,415	1/2	135,194	1/2	119,974	1/2	104,751	1/2	89,524
3/4		3/4	209,163	3/4	195,254	3/4	180,531	3/4	165,319	3/4	150,098	3/4	134,877	3/4	119,657	3/4	104,434	3/4	89,207
10		10	208,882	10	194,955	10	180,216	10	165,002	10	149,781	10	134,560	10	119,339	10	104,116	10	88,890
1/4		1/4	208,600	1/4	194,656	1/4	179,901	1/4	164,685	1/4	149,464	1/4	134,243	1/4	119,022	1/4	103,799	1/4	88,573
1/2		1/2	208,317	1/2	194,356	1/2	179,585	1/2	164,368	1/2	149,147	1/2	133,926	1/2	118,705	1/2	103,482	1/2	88,255
3/4		3/4	208,035	3/4	194,056	3/4	179,269	3/4	164,051	3/4	148,830	3/4	133,609	3/4	118,388	3/4	103,165	3/4	87,938
11		11	207,752	11	193,756	11	178,953	11	163,733	11	148,513	11	133,292	11	118,071	11	102,847	11	87,621
1/4		1/4	207,469	1/4	193,456	1/4	178,637	1/4	163,416	1/4	148,196	1/4	132,975	1/4	117,754	1/4	102,530	1/4	87,304
1/2		1/2	207,184	1/2	193,155	1/2	178,320	1/2	163,099	1/2	147,878	1/2	132,658	1/2	117,437	1/2	102,213	1/2	86,987
3/4		3/4	206,900	3/4	192,854	3/4	178,003	3/4	162,782	3/4	147,561	3/4	132,341	3/4	117,120	3/4	101,896	3/4	86,669

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 319"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,352	0	71,126	0	55,899	0	40,756	0	25,547	0	10,321	0		0		0		0	
1/4	86,035	1/4	70,808	1/4	55,582	1/4	40,441	1/4	25,230	1/4	10,004	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,718	1/2	70,491	1/2	55,265	1/2	40,126	1/2	24,913	1/2	9,687	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,400	3/4	70,174	3/4	54,948	3/4	39,811	3/4	24,595	3/4	9,370	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,083	1	69,857	1	54,630	1	39,496	1	24,278	1	9,052	1	1	1	1	1	1	1	1
1/4	84,766	1/4	69,540	1/4	54,313	1/4	39,181	1/4	23,961	1/4	8,735	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,449	1/2	69,222	1/2	53,996	1/2	38,865	1/2	23,644	1/2	8,417	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,132	3/4	68,905	3/4	53,679	3/4	38,549	3/4	23,327	3/4	8,099	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,814	2	68,588	2	53,362	2	38,234	2	23,009	2	7,781	2	2	2	2	2	2	2	2
1/4	83,497	1/4	68,271	1/4	53,045	1/4	37,918	1/4	22,692	1/4	7,466	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,180	1/2	67,953	1/2	52,730	1/2	37,601	1/2	22,375	1/2	7,149	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,863	3/4	67,636	3/4	52,414	3/4	37,284	3/4	22,058	3/4	6,832	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,545	3	67,319	3	52,099	3	36,966	3	21,741	3	6,515	3	3	3	3	3	3	3	3
1/4	82,228	1/4	67,002	1/4	51,783	1/4	36,649	1/4	21,423	1/4	6,197	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,911	1/2	66,685	1/2	51,468	1/2	36,332	1/2	21,106	1/2	5,880	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,594	3/4	66,367	3/4	51,153	3/4	36,015	3/4	20,789	3/4	5,563	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,277	4	66,050	4	50,838	4	35,698	4	20,472	4	5,246	4	4	4	4	4	4	4	4
1/4	80,959	1/4	65,733	1/4	50,523	1/4	35,380	1/4	20,154	1/4	4,929	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,642	1/2	65,416	1/2	50,208	1/2	35,063	1/2	19,837	1/2	4,615	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,325	3/4	65,099	3/4	49,893	3/4	34,746	3/4	19,520	3/4	4,301	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,008	5	64,781	5	49,578	5	34,429	5	19,203	5	3,987	5	5	5	5	5	5	5	5
1/4	79,691	1/4	64,464	1/4	49,263	1/4	34,112	1/4	18,886	1/4	3,673	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,373	1/2	64,147	1/2	48,948	1/2	33,794	1/2	18,569	1/2	3,389	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,056	3/4	63,830	3/4	48,633	3/4	33,477	3/4	18,253	3/4	3,105	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,739	6	63,512	6	48,318	6	33,160	6	17,936	6	2,821	6	6	6	6	6	6	6	6
1/4	78,422	1/4	63,195	1/4	48,002	1/4	32,843	1/4	17,617	1/4	2,536	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,104	1/2	62,878	1/2	47,687	1/2	32,525	1/2	17,300	1/2	2,305	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,787	3/4	62,561	3/4	47,372	3/4	32,208	3/4	16,982	3/4	2,074	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,470	7	62,244	7	47,057	7	31,891	7	16,665	7	1,843	7	7	7	7	7	7	7	7
1/4	77,153	1/4	61,926	1/4	46,742	1/4	31,574	1/4	16,348	1/4	1,611	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,836	1/2	61,609	1/2	46,427	1/2	31,257	1/2	16,031	1/2	1,433	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,518	3/4	61,292	3/4	46,112	3/4	30,939	3/4	15,714	3/4	1,254	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,201	8	60,975	8	45,797	8	30,622	8	15,396	8	1,076	8	8	8	8	8	8	8	8
1/4	75,884	1/4	60,657	1/4	45,482	1/4	30,305	1/4	15,079	1/4	898	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,567	1/2	60,340	1/2	45,167	1/2	29,988	1/2	14,762	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,249	3/4	60,023	3/4	44,852	3/4	29,671	3/4	14,445	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,932	9	59,706	9	44,537	9	29,353	9	14,128	9		9	9	9	9	9	9	9	9
1/4	74,615	1/4	59,389	1/4	44,222	1/4	29,036	1/4	13,810	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,298	1/2	59,071	1/2	43,907	1/2	28,719	1/2	13,493	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,981	3/4	58,754	3/4	43,592	3/4	28,402	3/4	13,176	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,663	10	58,437	10	43,277	10	28,085	10	12,859	10		10	10	10	10	10	10	10	10
1/4	73,346	1/4	58,120	1/4	42,962	1/4	27,767	1/4	12,542	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,029	1/2	57,803	1/2	42,647	1/2	27,450	1/2	12,224	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,712	3/4	57,485	3/4	42,332	3/4	27,133	3/4	11,907	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,395	11	57,168	11	42,017	11	26,816	11	11,590	11		11	11	11	11	11	11	11	11
1/4	72,077	1/4	56,851	1/4	41,702	1/4	26,499	1/4	11,273	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,760	1/2	56,534	1/2	41,387	1/2	26,181	1/2	10,956	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,443	3/4	56,216	3/4	41,072	3/4	25,864	3/4	10,638	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL  
CALCULATED: 02/25/2015 CL  
PRINTED: 03/01/20015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "DBL 319"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	206,234	0	192,239	0	177,441	0	162,276	0	147,110	0	131,943	0	116,777	0	101,608
1/4		1/4		1/4	205,951	1/4	191,938	1/4	177,126	1/4	161,960	1/4	146,794	1/4	131,627	1/4	116,461	1/4	101,292
1/2		1/2	219,589	1/2	205,668	1/2	191,638	1/2	176,810	1/2	161,644	1/2	146,478	1/2	131,312	1/2	116,145	1/2	100,976
3/4		3/4	219,375	3/4	205,384	3/4	191,336	3/4	176,494	3/4	161,328	3/4	146,162	3/4	130,996	3/4	115,829	3/4	100,660
1		1	219,161	1	205,099	1	191,035	1	176,178	1	161,012	1	145,846	1	130,680	1	115,513	1	100,344
1/4		1/4	218,947	1/4	204,815	1/4	190,733	1/4	175,862	1/4	160,696	1/4	145,530	1/4	130,364	1/4	115,197	1/4	100,028
1/2		1/2	218,733	1/2	204,530	1/2	190,432	1/2	175,546	1/2	160,380	1/2	145,214	1/2	130,048	1/2	114,881	1/2	99,711
3/4		3/4	218,468	3/4	204,244	3/4	190,129	3/4	175,230	3/4	160,064	3/4	144,898	3/4	129,732	3/4	114,566	3/4	99,395
2		2	218,203	2	203,959	2	189,825	2	174,914	2	159,748	2	144,582	2	129,416	2	114,250	2	99,079
1/4		1/4	217,938	1/4	203,673	1/4	189,522	1/4	174,598	1/4	159,432	1/4	144,266	1/4	129,100	1/4	113,934	1/4	98,763
1/2		1/2	217,673	1/2	203,387	1/2	189,219	1/2	174,282	1/2	159,116	1/2	143,950	1/2	128,784	1/2	113,618	1/2	98,447
3/4		3/4	217,367	3/4	203,100	3/4	188,915	3/4	173,966	3/4	158,800	3/4	143,634	3/4	128,468	3/4	113,302	3/4	98,131
3		3	217,061	3	202,813	3	188,611	3	173,650	3	158,484	3	143,318	3	128,152	3	112,986	3	97,815
1/4		1/4	216,755	1/4	202,526	1/4	188,306	1/4	173,334	1/4	158,168	1/4	143,002	1/4	127,836	1/4	112,670	1/4	97,499
1/2		1/2	216,449	1/2	202,239	1/2	188,002	1/2	173,019	1/2	157,852	1/2	142,686	1/2	127,520	1/2	112,354	1/2	97,183
3/4		3/4	216,137	3/4	201,951	3/4	187,697	3/4	172,703	3/4	157,536	3/4	142,370	3/4	127,204	3/4	112,038	3/4	96,867
4		4	215,825	4	201,662	4	187,391	4	172,387	4	157,220	4	142,054	4	126,888	4	111,722	4	96,551
1/4		1/4	215,513	1/4	201,374	1/4	187,085	1/4	172,071	1/4	156,904	1/4	141,738	1/4	126,572	1/4	111,406	1/4	96,235
1/2		1/2	215,201	1/2	201,085	1/2	186,780	1/2	171,755	1/2	156,588	1/2	141,422	1/2	126,256	1/2	111,090	1/2	95,919
3/4		3/4	214,889	3/4	200,795	3/4	186,473	3/4	171,439	3/4	156,273	3/4	141,106	3/4	125,940	3/4	110,774	3/4	95,602
5		5	214,578	5	200,506	5	186,166	5	171,123	5	155,957	5	140,790	5	125,624	5	110,458	5	95,286
1/4		1/4	214,266	1/4	200,216	1/4	185,859	1/4	170,807	1/4	155,641	1/4	140,474	1/4	125,308	1/4	110,142	1/4	94,970
1/2		1/2	213,954	1/2	199,926	1/2	185,552	1/2	170,491	1/2	155,325	1/2	140,158	1/2	124,992	1/2	109,826	1/2	94,654
3/4		3/4	213,642	3/4	199,635	3/4	185,243	3/4	170,175	3/4	155,009	3/4	139,842	3/4	124,676	3/4	109,510	3/4	94,338
6		6	213,330	6	199,344	6	184,935	6	169,859	6	154,693	6	139,527	6	124,360	6	109,194	6	94,022
1/4		1/4	213,018	1/4	199,053	1/4	184,627	1/4	169,543	1/4	154,377	1/4	139,211	1/4	124,044	1/4	108,878	1/4	93,706
1/2		1/2	212,707	1/2	198,761	1/2	184,318	1/2	169,227	1/2	154,061	1/2	138,895	1/2	123,728	1/2	108,562	1/2	93,390
3/4		3/4	212,395	3/4	198,469	3/4	184,009	3/4	168,911	3/4	153,745	3/4	138,579	3/4	123,412	3/4	108,245	3/4	93,074
7		7	212,083	7	198,176	7	183,699	7	168,595	7	153,429	7	138,263	7	123,096	7	107,929	7	92,758
1/4		1/4	211,771	1/4	197,884	1/4	183,389	1/4	168,279	1/4	153,113	1/4	137,947	1/4	122,781	1/4	107,613	1/4	92,442
1/2		1/2	211,459	1/2	197,591	1/2	183,080	1/2	167,963	1/2	152,797	1/2	137,631	1/2	122,465	1/2	107,297	1/2	92,126
3/4		3/4	211,150	3/4	197,296	3/4	182,769	3/4	167,647	3/4	152,481	3/4	137,315	3/4	122,149	3/4	106,981	3/4	91,810
8		8	210,840	8	197,001	8	182,458	8	167,331	8	152,165	8	136,999	8	121,833	8	106,665	8	91,493
1/4		1/4	210,530	1/4	196,706	1/4	182,147	1/4	167,015	1/4	151,849	1/4	136,683	1/4	121,517	1/4	106,349	1/4	91,177
1/2		1/2	210,221	1/2	196,411	1/2	181,836	1/2	166,699	1/2	151,533	1/2	136,367	1/2	121,201	1/2	106,033	1/2	90,861
3/4		3/4	209,928	3/4	196,115	3/4	181,524	3/4	166,383	3/4	151,217	3/4	136,051	3/4	120,885	3/4	105,717	3/4	90,545
9		9	209,636	9	195,818	9	181,211	9	166,067	9	150,901	9	135,735	9	120,569	9	105,401	9	90,229
1/4		1/4	209,343	1/4	195,522	1/4	180,899	1/4	165,751	1/4	150,585	1/4	135,419	1/4	120,253	1/4	105,085	1/4	89,913
1/2		1/2	209,051	1/2	195,226	1/2	180,587	1/2	165,435	1/2	150,269	1/2	135,103	1/2	119,937	1/2	104,769	1/2	89,597
3/4		3/4	208,770	3/4	194,928	3/4	180,273	3/4	165,119	3/4	149,953	3/4	134,787	3/4	119,621	3/4	104,453	3/4	89,281
10		10	208,490	10	194,630	10	179,960	10	164,803	10	149,637	10	134,471	10	119,305	10	104,136	10	88,965
1/4		1/4	208,209	1/4	194,332	1/4	179,646	1/4	164,488	1/4	149,321	1/4	134,155	1/4	118,989	1/4	103,820	1/4	88,649
1/2		1/2	207,929	1/2	194,035	1/2	179,333	1/2	164,172	1/2	149,005	1/2	133,839	1/2	118,673	1/2	103,504	1/2	88,333
3/4		3/4	207,647	3/4	193,736	3/4	179,018	3/4	163,856	3/4	148,689	3/4	133,523	3/4	118,357	3/4	103,188	3/4	88,017
11		11	207,365	11	193,437	11	178,703	11	163,540	11	148,373	11	133,207	11	118,041	11	102,872	11	87,701
1/4		1/4	207,083	1/4	193,138	1/4	178,388	1/4	163,224	1/4	148,057	1/4	132,891	1/4	117,725	1/4	102,556	1/4	87,385
1/2		1/2	206,801	1/2	192,839	1/2	178,073	1/2	162,908	1/2	147,742	1/2	132,575	1/2	117,409	1/2	102,240	1/2	87,068
3/4		3/4	206,518	3/4	192,539	3/4	177,757	3/4	162,592	3/4	147,426	3/4	132,259	3/4	117,093	3/4	101,924	3/4	86,752

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "DBL 319"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	86,436	0	71,265	0	56,093	0	40,939	0	25,771	0	10,600	0		0		0		0	
1/4	86,120	1/4	70,949	1/4	55,777	1/4	40,624	1/4	25,455	1/4	10,284	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,804	1/2	70,633	1/2	55,461	1/2	40,308	1/2	25,139	1/2	9,968	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,488	3/4	70,316	3/4	55,145	3/4	39,992	3/4	24,823	3/4	9,652	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,172	1	70,000	1	54,829	1	39,677	1	24,507	1	9,336	1	1	1	1	1	1	1	1
1/4	84,856	1/4	69,684	1/4	54,513	1/4	39,361	1/4	24,190	1/4	9,019	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,540	1/2	69,368	1/2	54,197	1/2	39,045	1/2	23,874	1/2	8,703	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,224	3/4	69,052	3/4	53,881	3/4	38,729	3/4	23,558	3/4	8,387	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,908	2	68,736	2	53,564	2	38,413	2	23,242	2	8,070	2	2	2	2	2	2	2	2
1/4	83,592	1/4	68,420	1/4	53,248	1/4	38,097	1/4	22,926	1/4	7,753	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,276	1/2	68,104	1/2	52,932	1/2	37,781	1/2	22,610	1/2	7,439	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,959	3/4	67,788	3/4	52,616	3/4	37,465	3/4	22,294	3/4	7,123	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,643	3	67,472	3	52,300	3	37,149	3	21,978	3	6,807	3	3	3	3	3	3	3	3
1/4	82,327	1/4	67,156	1/4	51,984	1/4	36,833	1/4	21,662	1/4	6,491	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,011	1/2	66,840	1/2	51,668	1/2	36,517	1/2	21,346	1/2	6,175	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,695	3/4	66,524	3/4	51,353	3/4	36,201	3/4	21,030	3/4	5,859	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,379	4	66,207	4	51,037	4	35,885	4	20,714	4	5,543	4	4	4	4	4	4	4	4
1/4	81,063	1/4	65,891	1/4	50,722	1/4	35,569	1/4	20,398	1/4	5,227	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,747	1/2	65,575	1/2	50,406	1/2	35,253	1/2	20,082	1/2	4,911	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,431	3/4	65,259	3/4	50,090	3/4	34,937	3/4	19,766	3/4	4,598	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,115	5	64,943	5	49,775	5	34,621	5	19,450	5	4,285	5	5	5	5	5	5	5	5
1/4	79,799	1/4	64,627	1/4	49,459	1/4	34,304	1/4	19,133	1/4	3,972	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,483	1/2	64,311	1/2	49,144	1/2	33,988	1/2	18,817	1/2	3,660	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,167	3/4	63,995	3/4	48,828	3/4	33,672	3/4	18,502	3/4	3,376	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,850	6	63,679	6	48,513	6	33,356	6	18,187	6	3,093	6	6	6	6	6	6	6	6
1/4	78,534	1/4	63,363	1/4	48,197	1/4	33,040	1/4	17,872	1/4	2,810	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,218	1/2	63,047	1/2	47,882	1/2	32,724	1/2	17,553	1/2	2,527	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,902	3/4	62,731	3/4	47,566	3/4	32,408	3/4	17,237	3/4	2,297	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,586	7	62,415	7	47,250	7	32,092	7	16,921	7	2,066	7	7	7	7	7	7	7	7
1/4	77,270	1/4	62,098	1/4	46,935	1/4	31,776	1/4	16,605	1/4	1,836	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,954	1/2	61,782	1/2	46,619	1/2	31,460	1/2	16,289	1/2	1,605	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,638	3/4	61,466	3/4	46,304	3/4	31,144	3/4	15,973	3/4	1,427	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,322	8	61,150	8	45,988	8	30,828	8	15,657	8	1,250	8	8	8	8	8	8	8	8
1/4	76,006	1/4	60,834	1/4	45,673	1/4	30,512	1/4	15,341	1/4	1,072	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,690	1/2	60,518	1/2	45,357	1/2	30,196	1/2	15,025	1/2	895	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,374	3/4	60,202	3/4	45,041	3/4	29,880	3/4	14,709	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,058	9	59,886	9	44,726	9	29,564	9	14,392	9		9	9	9	9	9	9	9	9
1/4	74,741	1/4	59,570	1/4	44,410	1/4	29,247	1/4	14,076	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,425	1/2	59,254	1/2	44,095	1/2	28,931	1/2	13,760	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,109	3/4	58,938	3/4	43,779	3/4	28,615	3/4	13,444	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,793	10	58,622	10	43,464	10	28,299	10	13,128	10		10	10	10	10	10	10	10	10
1/4	73,477	1/4	58,306	1/4	43,148	1/4	27,983	1/4	12,812	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,161	1/2	57,989	1/2	42,833	1/2	27,667	1/2	12,496	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,845	3/4	57,673	3/4	42,517	3/4	27,351	3/4	12,180	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,529	11	57,357	11	42,201	11	27,035	11	11,864	11		11	11	11	11	11	11	11	11
1/4	72,213	1/4	57,041	1/4	41,886	1/4	26,719	1/4	11,548	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,897	1/2	56,725	1/2	41,570	1/2	26,403	1/2	11,232	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,581	3/4	56,409	3/4	41,255	3/4	26,087	3/4	10,916	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL  
CALCULATED: 02/25/2015 CL  
PRINTED: 03/01/20015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
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# BARGE "DBL 319"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	205,385	0	191,365	0	176,544	0	161,371	0	146,198	0	131,024	0	115,853	0	100,675
1/4		1/4	219,029	1/4	205,101	1/4	191,064	1/4	176,229	1/4	161,055	1/4	145,882	1/4	130,708	1/4	115,535	1/4	100,358
1/2		1/2	218,815	1/2	204,817	1/2	190,762	1/2	175,912	1/2	160,739	1/2	145,566	1/2	130,392	1/2	115,219	1/2	100,042
3/4		3/4	218,601	3/4	204,532	3/4	190,461	3/4	175,596	3/4	160,423	3/4	145,249	3/4	130,076	3/4	114,903	3/4	99,726
1		1	218,386	1	204,247	1	190,159	1	175,280	1	160,107	1	144,933	1	129,760	1	114,586	1	99,410
1/4		1/4	218,172	1/4	203,963	1/4	189,857	1/4	174,964	1/4	159,791	1/4	144,617	1/4	129,444	1/4	114,270	1/4	99,094
1/2		1/2	217,907	1/2	203,677	1/2	189,554	1/2	174,648	1/2	159,475	1/2	144,301	1/2	129,128	1/2	113,954	1/2	98,777
3/4		3/4	217,642	3/4	203,391	3/4	189,251	3/4	174,332	3/4	159,158	3/4	143,985	3/4	128,812	3/4	113,638	3/4	98,461
2		2	217,377	2	203,105	2	188,947	2	174,016	2	158,842	2	143,669	2	128,495	2	113,322	2	98,145
1/4		1/4	217,112	1/4	202,819	1/4	188,644	1/4	173,700	1/4	158,526	1/4	143,353	1/4	128,179	1/4	113,006	1/4	97,829
1/2		1/2	216,806	1/2	202,532	1/2	188,340	1/2	173,384	1/2	158,210	1/2	143,037	1/2	127,863	1/2	112,690	1/2	97,512
3/4		3/4	216,500	3/4	202,245	3/4	188,035	3/4	173,067	3/4	157,894	3/4	142,721	3/4	127,547	3/4	112,374	3/4	97,196
3		3	216,193	3	201,958	3	187,731	3	172,751	3	157,578	3	142,404	3	127,231	3	112,058	3	96,880
1/4		1/4	215,887	1/4	201,670	1/4	187,426	1/4	172,435	1/4	157,262	1/4	142,088	1/4	126,915	1/4	111,741	1/4	96,564
1/2		1/2	215,575	1/2	201,382	1/2	187,121	1/2	172,119	1/2	156,946	1/2	141,772	1/2	126,599	1/2	111,425	1/2	96,247
3/4		3/4	215,263	3/4	201,093	3/4	186,815	3/4	171,803	3/4	156,630	3/4	141,456	3/4	126,283	3/4	111,108	3/4	95,931
4		4	214,951	4	200,805	4	186,509	4	171,487	4	156,313	4	141,140	4	125,967	4	110,791	4	95,615
1/4		1/4	214,639	1/4	200,516	1/4	186,203	1/4	171,171	1/4	155,997	1/4	140,824	1/4	125,650	1/4	110,477	1/4	95,299
1/2		1/2	214,327	1/2	200,226	1/2	185,896	1/2	170,855	1/2	155,681	1/2	140,508	1/2	125,334	1/2	110,161	1/2	94,983
3/4		3/4	214,015	3/4	199,936	3/4	185,589	3/4	170,539	3/4	155,365	3/4	140,192	3/4	125,018	3/4	109,845	3/4	94,666
5		5	213,703	5	199,646	5	185,282	5	170,222	5	155,049	5	139,876	5	124,702	5	109,529	5	94,350
1/4		1/4	213,391	1/4	199,356	1/4	184,975	1/4	169,906	1/4	154,733	1/4	139,559	1/4	124,386	1/4	109,213	1/4	94,034
1/2		1/2	213,079	1/2	199,065	1/2	184,666	1/2	169,590	1/2	154,417	1/2	139,243	1/2	124,070	1/2	108,897	1/2	93,718
3/4		3/4	212,767	3/4	198,774	3/4	184,358	3/4	169,274	3/4	154,101	3/4	138,927	3/4	123,754	3/4	108,580	3/4	93,401
6		6	212,455	6	198,482	6	184,049	6	168,958	6	153,785	6	138,611	6	123,438	6	108,264	6	93,085
1/4		1/4	212,143	1/4	198,191	1/4	183,741	1/4	168,642	1/4	153,468	1/4	138,295	1/4	123,122	1/4	107,948	1/4	92,769
1/2		1/2	211,831	1/2	197,898	1/2	183,431	1/2	168,326	1/2	153,152	1/2	137,979	1/2	122,805	1/2	107,632	1/2	92,453
3/4		3/4	211,519	3/4	197,606	3/4	183,121	3/4	168,010	3/4	152,836	3/4	137,663	3/4	122,489	3/4	107,316	3/4	92,136
7		7	211,207	7	197,313	7	182,811	7	167,694	7	152,520	7	137,347	7	122,173	7	106,999	7	91,820
1/4		1/4	210,895	1/4	197,020	1/4	182,501	1/4	167,377	1/4	152,204	1/4	137,031	1/4	121,857	1/4	106,683	1/4	91,504
1/2		1/2	210,586	1/2	196,725	1/2	182,190	1/2	167,061	1/2	151,888	1/2	136,714	1/2	121,541	1/2	106,367	1/2	91,188
3/4		3/4	210,276	3/4	196,430	3/4	181,879	3/4	166,745	3/4	151,572	3/4	136,398	3/4	121,225	3/4	106,051	3/4	90,872
8		8	209,966	8	196,135	8	181,568	8	166,429	8	151,256	8	136,082	8	120,909	8	105,734	8	90,555
1/4		1/4	209,656	1/4	195,840	1/4	181,257	1/4	166,113	1/4	150,940	1/4	135,766	1/4	120,593	1/4	105,418	1/4	90,239
1/2		1/2	209,364	1/2	195,543	1/2	180,945	1/2	165,797	1/2	150,623	1/2	135,450	1/2	120,277	1/2	105,102	1/2	89,923
3/4		3/4	209,071	3/4	195,247	3/4	180,632	3/4	165,481	3/4	150,307	3/4	135,134	3/4	119,960	3/4	104,786	3/4	89,607
9		9	208,778	9	194,950	9	180,320	9	165,165	9	149,991	9	134,818	9	119,644	9	104,469	9	89,290
1/4		1/4	208,486	1/4	194,653	1/4	180,008	1/4	164,848	1/4	149,675	1/4	134,502	1/4	119,328	1/4	104,153	1/4	88,974
1/2		1/2	208,205	1/2	194,356	1/2	179,694	1/2	164,532	1/2	149,359	1/2	134,186	1/2	119,012	1/2	103,837	1/2	88,658
3/4		3/4	207,924	3/4	194,058	3/4	179,380	3/4	164,216	3/4	149,043	3/4	133,869	3/4	118,696	3/4	103,521	3/4	88,342
10		10	207,644	10	193,760	10	179,066	10	163,900	10	148,727	10	133,553	10	118,380	10	103,205	10	88,025
1/4		1/4	207,363	1/4	193,462	1/4	178,753	1/4	163,584	1/4	148,411	1/4	133,237	1/4	118,064	1/4	102,888	1/4	87,709
1/2		1/2	207,081	1/2	193,163	1/2	178,437	1/2	163,268	1/2	148,094	1/2	132,921	1/2	117,748	1/2	102,572	1/2	87,393
3/4		3/4	206,799	3/4	192,864	3/4	178,122	3/4	162,952	3/4	147,778	3/4	132,605	3/4	117,432	3/4	102,256	3/4	87,077
11		11	206,517	11	192,565	11	177,807	11	162,636	11	147,462	11	132,289	11	117,115	11	101,940	11	86,761
1/4		1/4	206,235	1/4	192,266	1/4	177,492	1/4	162,320	1/4	147,146	1/4	131,973	1/4	116,799	1/4	101,623	1/4	86,444
1/2		1/2	205,951	1/2	191,965	1/2	177,176	1/2	162,003	1/2	146,830	1/2	131,657	1/2	116,484	1/2	101,307	1/2	86,128
3/4		3/4	205,668	3/4	191,665	3/4	176,860	3/4	161,687	3/4	146,514	3/4	131,340	3/4	116,168	3/4	100,991	3/4	85,812

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "DBL 319"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,496	0	70,317	0	55,137	0	40,525	0	25,467	0	10,289	0		0		0		0	
1/4	85,179	1/4	70,000	1/4	54,821	1/4	40,224	1/4	25,151	1/4	9,973	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,863	1/2	69,684	1/2	54,505	1/2	39,922	1/2	24,835	1/2	9,657	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,547	3/4	69,368	3/4	54,189	3/4	39,620	3/4	24,519	3/4	9,340	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	84,231	1	69,052	1	53,873	1	39,318	1	24,202	1	9,024	1	1	1	1	1	1	1	1
1/4	83,914	1/4	68,735	1/4	53,556	1/4	39,016	1/4	23,886	1/4	8,708	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,598	1/2	68,419	1/2	53,242	1/2	38,712	1/2	23,570	1/2	8,391	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,282	3/4	68,103	3/4	52,927	3/4	38,408	3/4	23,254	3/4	8,074	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	82,966	2	67,787	2	52,613	2	38,104	2	22,938	2	7,757	2	2	2	2	2	2	2	2
1/4	82,650	1/4	67,470	1/4	52,298	1/4	37,800	1/4	22,621	1/4	7,443	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,333	1/2	67,154	1/2	51,996	1/2	37,484	1/2	22,305	1/2	7,127	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,017	3/4	66,838	3/4	51,694	3/4	37,167	3/4	21,989	3/4	6,811	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	81,701	3	66,522	3	51,392	3	36,851	3	21,673	3	6,494	3	3	3	3	3	3	3	3
1/4	81,385	1/4	66,206	1/4	51,089	1/4	36,535	1/4	21,357	1/4	6,178	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,068	1/2	65,889	1/2	50,787	1/2	36,219	1/2	21,040	1/2	5,862	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,752	3/4	65,573	3/4	50,486	3/4	35,903	3/4	20,724	3/4	5,546	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,436	4	65,257	4	50,184	4	35,586	4	20,408	4	5,230	4	4	4	4	4	4	4	4
1/4	80,120	1/4	64,941	1/4	49,882	1/4	35,270	1/4	20,092	1/4	4,913	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,803	1/2	64,624	1/2	49,580	1/2	34,954	1/2	19,775	1/2	4,600	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,487	3/4	64,308	3/4	49,278	3/4	34,638	3/4	19,459	3/4	4,287	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	79,171	5	63,992	5	48,976	5	34,321	5	19,143	5	3,975	5	5	5	5	5	5	5	5
1/4	78,855	1/4	63,676	1/4	48,675	1/4	34,005	1/4	18,827	1/4	3,662	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,539	1/2	63,359	1/2	48,373	1/2	33,689	1/2	18,511	1/2	3,378	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,222	3/4	63,043	3/4	48,071	3/4	33,373	3/4	18,196	3/4	3,095	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	77,906	6	62,727	6	47,769	6	33,057	6	17,880	6	2,812	6	6	6	6	6	6	6	6
1/4	77,590	1/4	62,411	1/4	47,467	1/4	32,740	1/4	17,562	1/4	2,529	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,274	1/2	62,095	1/2	47,166	1/2	32,424	1/2	17,246	1/2	2,298	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,957	3/4	61,778	3/4	46,864	3/4	32,108	3/4	16,930	3/4	2,067	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	76,641	7	61,462	7	46,562	7	31,792	7	16,613	7	1,837	7	7	7	7	7	7	7	7
1/4	76,325	1/4	61,146	1/4	46,260	1/4	31,476	1/4	16,297	1/4	1,606	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,009	1/2	60,830	1/2	45,958	1/2	31,159	1/2	15,981	1/2	1,428	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,692	3/4	60,513	3/4	45,656	3/4	30,843	3/4	15,665	3/4	1,251	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,376	8	60,197	8	45,355	8	30,527	8	15,348	8	1,073	8	8	8	8	8	8	8	8
1/4	75,060	1/4	59,881	1/4	45,053	1/4	30,211	1/4	15,032	1/4	895	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,744	1/2	59,565	1/2	44,751	1/2	29,894	1/2	14,716	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,428	3/4	59,248	3/4	44,449	3/4	29,578	3/4	14,400	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,111	9	58,932	9	44,147	9	29,262	9	14,084	9		9	9	9	9	9	9	9	9
1/4	73,795	1/4	58,616	1/4	43,845	1/4	28,946	1/4	13,767	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,479	1/2	58,300	1/2	43,544	1/2	28,630	1/2	13,451	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,163	3/4	57,984	3/4	43,242	3/4	28,313	3/4	13,135	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	72,846	10	57,667	10	42,940	10	27,997	10	12,819	10		10	10	10	10	10	10	10	10
1/4	72,530	1/4	57,351	1/4	42,638	1/4	27,681	1/4	12,502	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,214	1/2	57,035	1/2	42,336	1/2	27,365	1/2	12,186	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,898	3/4	56,719	3/4	42,035	3/4	27,048	3/4	11,870	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	71,581	11	56,402	11	41,733	11	26,732	11	11,554	11		11	11	11	11	11	11	11	11
1/4	71,265	1/4	56,086	1/4	41,431	1/4	26,416	1/4	11,238	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,949	1/2	55,770	1/2	41,129	1/2	26,100	1/2	10,921	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,633	3/4	55,454	3/4	40,827	3/4	25,784	3/4	10,605	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL  
CALCULATED: 02/25/2015 CL  
PRINTED: 03/01/20015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "DBL 319"

# 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	177,698	0	170,692	0	162,907	0	154,770	0	146,130	0	131,099	0	116,015	0	100,906		
1/4	1/4	184,529	177,560	1/4	170,538	1/4	162,738	1/4	154,601	1/4	145,816	1/4	130,785	1/4	115,700	1/4	100,592		
1/2	1/2	184,460	177,421	1/2	170,383	1/2	162,568	1/2	154,431	1/2	145,503	1/2	130,470	1/2	115,386	1/2	100,277		
3/4	3/4	184,390	177,283	3/4	170,228	3/4	162,399	3/4	154,262	3/4	145,190	3/4	130,156	3/4	115,071	3/4	99,962		
1	1	184,321	177,144	1	170,073	1	162,229	1	154,092	1	144,876	1	129,842	1	114,756	1	99,647		
1/4	1/4	184,251	177,005	1/4	169,917	1/4	162,060	1/4	153,923	1/4	144,563	1/4	129,528	1/4	114,442	1/4	99,332		
1/2	1/2	184,131	176,865	1/2	169,761	1/2	161,890	1/2	153,753	1/2	144,249	1/2	129,214	1/2	114,127	1/2	99,018		
3/4	3/4	184,010	176,725	3/4	169,604	3/4	161,721	3/4	153,584	3/4	143,936	3/4	128,899	3/4	113,812	3/4	98,703		
2	2	183,889	176,585	2	169,447	2	161,551	2	153,414	2	143,623	2	128,585	2	113,497	2	98,388		
1/4	1/4	183,769	176,445	1/4	169,291	1/4	161,382	1/4	153,245	1/4	143,309	1/4	128,271	1/4	113,183	1/4	98,073		
1/2	1/2	183,607	176,304	1/2	169,133	1/2	161,212	1/2	153,075	1/2	142,996	1/2	127,957	1/2	112,868	1/2	97,759		
3/4	3/4	183,445	176,162	3/4	168,975	3/4	161,043	3/4	152,906	3/4	142,682	3/4	127,643	3/4	112,553	3/4	97,444		
3	3	183,284	176,021	3	168,817	3	160,873	3	152,736	3	142,369	3	127,328	3	112,238	3	97,129		
1/4	1/4	183,122	175,880	1/4	168,659	1/4	160,704	1/4	152,567	1/4	142,055	1/4	127,014	1/4	111,924	1/4	96,814		
1/2	1/2	182,955	175,737	1/2	168,500	1/2	160,534	1/2	152,397	1/2	141,742	1/2	126,700	1/2	111,609	1/2	96,499		
3/4	3/4	182,788	175,594	3/4	168,341	3/4	160,365	3/4	152,228	3/4	141,429	3/4	126,386	3/4	111,294	3/4	96,185		
4	4	182,620	175,452	4	168,182	4	160,195	4	152,058	4	141,115	4	126,072	4	110,979	4	95,870		
1/4	1/4	182,453	175,309	1/4	168,022	1/4	160,025	1/4	151,889	1/4	140,802	1/4	125,757	1/4	110,665	1/4	95,555		
1/2	1/2	182,286	175,165	1/2	167,862	1/2	159,856	1/2	151,719	1/2	140,488	1/2	125,443	1/2	110,350	1/2	95,240		
3/4	3/4	182,118	175,021	3/4	167,701	3/4	159,686	3/4	151,550	3/4	140,175	3/4	125,129	3/4	110,035	3/4	94,925		
5	5	181,951	174,877	5	167,541	5	159,517	5	151,380	5	139,862	5	124,815	5	109,721	5	94,611		
1/4	1/4	181,784	174,732	1/4	167,380	1/4	159,347	1/4	151,211	1/4	139,548	1/4	124,501	1/4	109,406	1/4	94,296		
1/2	1/2	181,616	174,587	1/2	167,218	1/2	159,178	1/2	151,041	1/2	139,236	1/2	124,186	1/2	109,091	1/2	93,981		
3/4	3/4	181,449	174,442	3/4	167,056	3/4	159,008	3/4	150,871	3/4	138,923	3/4	123,872	3/4	108,776	3/4	93,666		
6	6	181,282	174,296	6	166,894	6	158,839	6	150,702	6	138,610	6	123,558	6	108,461	6	93,351		
1/4	1/4	181,115	174,151	1/4	166,732	1/4	158,669	1/4	150,532	1/4	138,297	1/4	123,244	1/4	108,147	1/4	93,037		
1/2	1/2	180,947	174,004	1/2	166,569	1/2	158,500	1/2	150,363	1/2	137,985	1/2	122,930	1/2	107,832	1/2	92,722		
3/4	3/4	180,780	173,858	3/4	166,406	3/4	158,330	3/4	150,193	3/4	137,672	3/4	122,615	3/4	107,517	3/4	92,407		
7	7	180,613	173,711	7	166,242	7	158,161	7	150,024	7	137,359	7	122,301	7	107,202	7	92,092		
1/4	1/4	180,445	173,564	1/4	166,079	1/4	157,991	1/4	149,854	1/4	137,046	1/4	121,987	1/4	106,888	1/4	91,777		
1/2	1/2	180,280	173,416	1/2	165,915	1/2	157,822	1/2	149,685	1/2	136,734	1/2	121,673	1/2	106,573	1/2	91,463		
3/4	3/4	180,115	173,267	3/4	165,750	3/4	157,652	3/4	149,515	3/4	136,421	3/4	121,359	3/4	106,258	3/4	91,148		
8	8	179,950	173,118	8	165,586	8	157,483	8	149,346	8	136,108	8	121,045	8	105,943	8	90,833		
1/4	1/4	179,785	172,970	1/4	165,421	1/4	157,313	1/4	149,176	1/4	135,795	1/4	120,730	1/4	105,628	1/4	90,518		
1/2	1/2	179,637	172,819	1/2	165,255	1/2	157,144	1/2	149,007	1/2	135,483	1/2	120,416	1/2	105,314	1/2	90,204		
3/4	3/4	179,489	172,669	3/4	165,090	3/4	156,974	3/4	148,837	3/4	135,170	3/4	120,102	3/4	104,999	3/4	89,889		
9	9	179,341	172,519	9	164,924	9	156,805	9	148,668	9	134,857	9	119,788	9	104,684	9	89,574		
1/4	1/4	179,193	172,369	1/4	164,758	1/4	156,635	1/4	148,498	1/4	134,544	1/4	119,474	1/4	104,369	1/4	89,259		
1/2	1/2	179,059	172,218	1/2	164,591	1/2	156,466	1/2	148,329	1/2	134,231	1/2	119,159	1/2	104,054	1/2	88,944		
3/4	3/4	178,924	172,067	3/4	164,424	3/4	156,296	3/4	148,159	3/4	133,919	3/4	118,845	3/4	103,740	3/4	88,630		
10	10	178,789	171,915	10	164,256	10	156,127	10	147,990	10	133,606	10	118,531	10	103,425	10	88,315		
1/4	1/4	178,655	171,764	1/4	164,089	1/4	155,957	1/4	147,820	1/4	133,293	1/4	118,217	1/4	103,110	1/4	88,000		
1/2	1/2	178,519	171,611	1/2	163,921	1/2	155,788	1/2	147,633	1/2	132,980	1/2	117,902	1/2	102,795	1/2	87,685		
3/4	3/4	178,382	171,459	3/4	163,752	3/4	155,618	3/4	147,445	3/4	132,667	3/4	117,588	3/4	102,480	3/4	87,370		
11	11	178,246	171,306	11	163,584	11	155,448	11	147,258	11	132,354	11	117,274	11	102,166	11	87,056		
1/4	1/4	178,110	171,154	1/4	163,415	1/4	155,279	1/4	147,070	1/4	132,041	1/4	116,960	1/4	101,851	1/4	86,741		
1/2	1/2	177,973	171,000	1/2	163,246	1/2	155,109	1/2	146,757	1/2	131,727	1/2	116,645	1/2	101,536	1/2	86,426		
3/4	3/4	177,835	170,846	3/4	163,076	3/4	154,940	3/4	146,443	3/4	131,413	3/4	116,330	3/4	101,221	3/4	86,111		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 319"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,796	0	70,683	0	55,569	0	40,469	0	25,358	0	10,245	0		0		0		0	
1/4	85,482	1/4	70,368	1/4	55,254	1/4	40,154	1/4	25,044	1/4	9,931	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,167	1/2	70,053	1/2	54,940	1/2	39,840	1/2	24,729	1/2	9,616	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,852	3/4	69,738	3/4	54,625	3/4	39,525	3/4	24,414	3/4	9,301	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	84,537	1	69,423	1	54,310	1	39,211	1	24,099	1	8,986	1	1	1	1	1	1	1	1
1/4	84,222	1/4	69,109	1/4	53,995	1/4	38,896	1/4	23,784	1/4	8,671	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,907	1/2	68,794	1/2	53,680	1/2	38,582	1/2	23,469	1/2	8,356	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,593	3/4	68,479	3/4	53,365	3/4	38,267	3/4	23,154	3/4	8,040	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,278	2	68,164	2	53,050	2	37,952	2	22,840	2	7,725	2	2	2	2	2	2	2	2
1/4	82,963	1/4	67,849	1/4	52,735	1/4	37,638	1/4	22,525	1/4	7,412	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,648	1/2	67,534	1/2	52,421	1/2	37,323	1/2	22,210	1/2	7,097	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,333	3/4	67,219	3/4	52,106	3/4	37,008	3/4	21,895	3/4	6,782	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,018	3	66,905	3	51,791	3	36,693	3	21,580	3	6,467	3	3	3	3	3	3	3	3
1/4	81,703	1/4	66,590	1/4	51,476	1/4	36,378	1/4	21,265	1/4	6,152	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,388	1/2	66,275	1/2	51,161	1/2	36,064	1/2	20,950	1/2	5,837	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,074	3/4	65,960	3/4	50,847	3/4	35,749	3/4	20,636	3/4	5,523	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,759	4	65,645	4	50,532	4	35,434	4	20,321	4	5,208	4	4	4	4	4	4	4	4
1/4	80,444	1/4	65,330	1/4	50,217	1/4	35,119	1/4	20,006	1/4	4,893	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,129	1/2	65,015	1/2	49,903	1/2	34,804	1/2	19,691	1/2	4,581	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,814	3/4	64,700	3/4	49,588	3/4	34,489	3/4	19,376	3/4	4,270	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	79,499	5	64,386	5	49,274	5	34,174	5	19,061	5	3,958	5	5	5	5	5	5	5	5
1/4	79,184	1/4	64,071	1/4	48,959	1/4	33,860	1/4	18,746	1/4	3,647	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,869	1/2	63,756	1/2	48,645	1/2	33,545	1/2	18,432	1/2	3,365	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,555	3/4	63,441	3/4	48,330	3/4	33,230	3/4	18,118	3/4	3,083	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,240	6	63,126	6	48,016	6	32,915	6	17,804	6	2,800	6	6	6	6	6	6	6	6
1/4	77,925	1/4	62,811	1/4	47,701	1/4	32,600	1/4	17,487	1/4	2,518	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,610	1/2	62,496	1/2	47,387	1/2	32,285	1/2	17,172	1/2	2,289	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,295	3/4	62,181	3/4	47,072	3/4	31,970	3/4	16,857	3/4	2,059	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	76,980	7	61,867	7	46,758	7	31,656	7	16,543	7	1,830	7	7	7	7	7	7	7	7
1/4	76,665	1/4	61,552	1/4	46,444	1/4	31,341	1/4	16,228	1/4	1,600	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,351	1/2	61,237	1/2	46,129	1/2	31,026	1/2	15,913	1/2	1,423	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,036	3/4	60,922	3/4	45,815	3/4	30,711	3/4	15,598	3/4	1,246	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,721	8	60,607	8	45,500	8	30,396	8	15,283	8	1,069	8	8	8	8	8	8	8	8
1/4	75,406	1/4	60,292	1/4	45,186	1/4	30,081	1/4	14,968	1/4	892	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,091	1/2	59,977	1/2	44,871	1/2	29,766	1/2	14,653	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,776	3/4	59,663	3/4	44,557	3/4	29,452	3/4	14,339	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,461	9	59,348	9	44,242	9	29,137	9	14,024	9		9	9	9	9	9	9	9	9
1/4	74,146	1/4	59,033	1/4	43,928	1/4	28,822	1/4	13,709	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,832	1/2	58,718	1/2	43,613	1/2	28,507	1/2	13,394	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,517	3/4	58,403	3/4	43,299	3/4	28,192	3/4	13,079	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,202	10	58,088	10	42,984	10	27,877	10	12,764	10		10	10	10	10	10	10	10	10
1/4	72,887	1/4	57,773	1/4	42,670	1/4	27,562	1/4	12,449	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,572	1/2	57,458	1/2	42,355	1/2	27,248	1/2	12,135	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,257	3/4	57,144	3/4	42,041	3/4	26,933	3/4	11,820	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	71,942	11	56,829	11	41,727	11	26,618	11	11,505	11		11	11	11	11	11	11	11	11
1/4	71,628	1/4	56,514	1/4	41,412	1/4	26,303	1/4	11,190	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,313	1/2	56,199	1/2	41,098	1/2	25,988	1/2	10,875	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,998	3/4	55,884	3/4	40,783	3/4	25,673	3/4	10,560	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/25/2015 CL  
CALCULATED: 02/25/2015 CL  
PRINTED: 03/01/20015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "DBL 319"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	176,763	0	169,822	0	162,100	0	153,996	0	145,675	0	130,679	0	115,639	0	100,563		
1/4	1/4	1/4	176,627	1/4	169,669	1/4	161,931	1/4	153,827	1/4	145,362	1/4	130,366	1/4	115,325	1/4	100,249		
1/2	1/2	1/2	176,490	1/2	169,516	1/2	161,763	1/2	153,658	1/2	145,050	1/2	130,052	1/2	115,011	1/2	99,935		
3/4	3/4	183,290	176,353	3/4	169,363	3/4	161,594	3/4	153,489	3/4	144,737	3/4	129,739	3/4	114,696	3/4	99,620		
1	1	183,221	176,215	1	169,208	1	161,425	1	153,320	1	144,424	1	129,425	1	114,382	1	99,306		
1/4	1/4	183,152	176,077	1/4	169,054	1/4	161,256	1/4	153,151	1/4	144,111	1/4	129,112	1/4	114,068	1/4	98,992		
1/2	1/2	183,084	175,939	1/2	168,899	1/2	161,088	1/2	152,983	1/2	143,799	1/2	128,798	1/2	113,754	1/2	98,678		
3/4	3/4	183,015	175,800	3/4	168,745	3/4	160,919	3/4	152,814	3/4	143,486	3/4	128,485	3/4	113,440	3/4	98,364		
2	2	182,895	175,661	2	168,589	2	160,750	2	152,645	2	143,173	2	128,172	2	113,125	2	98,050		
1/4	1/4	182,775	175,522	1/4	168,433	1/4	160,581	1/4	152,476	1/4	142,861	1/4	127,858	1/4	112,811	1/4	97,736		
1/2	1/2	182,655	175,382	1/2	168,277	1/2	160,412	1/2	152,307	1/2	142,548	1/2	127,545	1/2	112,497	1/2	97,422		
3/4	3/4	182,535	175,243	3/4	168,121	3/4	160,243	3/4	152,138	3/4	142,235	3/4	127,232	3/4	112,183	3/4	97,108		
3	3	182,374	175,102	3	167,963	3	160,074	3	151,969	3	141,922	3	126,919	3	111,869	3	96,794		
1/4	1/4	182,213	174,962	1/4	167,806	1/4	159,906	1/4	151,801	1/4	141,610	1/4	126,606	1/4	111,555	1/4	96,480		
1/2	1/2	182,052	174,821	1/2	167,649	1/2	159,737	1/2	151,632	1/2	141,297	1/2	126,293	1/2	111,241	1/2	96,165		
3/4	3/4	181,891	174,680	3/4	167,492	3/4	159,568	3/4	151,463	3/4	140,984	3/4	125,979	3/4	110,927	3/4	95,851		
4	4	181,724	174,538	4	167,333	4	159,399	4	151,294	4	140,672	4	125,666	4	110,613	4	95,537		
1/4	1/4	181,558	174,396	1/4	167,175	1/4	159,230	1/4	151,125	1/4	140,359	1/4	125,353	1/4	110,298	1/4	95,223		
1/2	1/2	181,391	174,254	1/2	167,016	1/2	159,061	1/2	150,956	1/2	140,046	1/2	125,040	1/2	109,984	1/2	94,909		
3/4	3/4	181,225	174,112	3/4	166,858	3/4	158,892	3/4	150,788	3/4	139,733	3/4	124,727	3/4	109,671	3/4	94,595		
5	5	181,058	173,969	5	166,698	5	158,724	5	150,619	5	139,421	5	124,413	5	109,357	5	94,281		
1/4	1/4	180,891	173,825	1/4	166,538	1/4	158,555	1/4	150,450	1/4	139,108	1/4	124,100	1/4	109,043	1/4	93,967		
1/2	1/2	180,725	173,682	1/2	166,378	1/2	158,386	1/2	150,281	1/2	138,795	1/2	123,787	1/2	108,729	1/2	93,653		
3/4	3/4	180,558	173,538	3/4	166,218	3/4	158,217	3/4	150,112	3/4	138,483	3/4	123,474	3/4	108,415	3/4	93,339		
6	6	180,391	173,394	6	166,056	6	158,048	6	149,943	6	138,171	6	123,161	6	108,101	6	93,025		
1/4	1/4	180,225	173,249	1/4	165,895	1/4	157,879	1/4	149,774	1/4	137,859	1/4	122,848	1/4	107,787	1/4	92,710		
1/2	1/2	180,058	173,104	1/2	165,734	1/2	157,711	1/2	149,606	1/2	137,547	1/2	122,534	1/2	107,473	1/2	92,396		
3/4	3/4	179,891	172,960	3/4	165,572	3/4	157,542	3/4	149,437	3/4	137,235	3/4	122,221	3/4	107,159	3/4	92,082		
7	7	179,725	172,814	7	165,410	7	157,373	7	149,268	7	136,923	7	121,908	7	106,845	7	91,768		
1/4	1/4	179,558	172,668	1/4	165,247	1/4	157,204	1/4	149,099	1/4	136,610	1/4	121,595	1/4	106,531	1/4	91,454		
1/2	1/2	179,392	172,521	1/2	165,085	1/2	157,035	1/2	148,930	1/2	136,298	1/2	121,282	1/2	106,216	1/2	91,140		
3/4	3/4	179,225	172,375	3/4	164,922	3/4	156,866	3/4	148,761	3/4	135,986	3/4	120,968	3/4	105,902	3/4	90,826		
8	8	179,061	172,227	8	164,758	8	156,697	8	148,592	8	135,674	8	120,655	8	105,588	8	90,512		
1/4	1/4	178,896	172,079	1/4	164,594	1/4	156,529	1/4	148,424	1/4	135,362	1/4	120,341	1/4	105,274	1/4	90,198		
1/2	1/2	178,732	171,931	1/2	164,431	1/2	156,360	1/2	148,255	1/2	135,050	1/2	120,028	1/2	104,960	1/2	89,884		
3/4	3/4	178,567	171,783	3/4	164,267	3/4	156,191	3/4	148,086	3/4	134,738	3/4	119,714	3/4	104,646	3/4	89,570		
9	9	178,420	171,634	9	164,102	9	156,022	9	147,917	9	134,426	9	119,401	9	104,332	9	89,255		
1/4	1/4	178,273	171,485	1/4	163,937	1/4	155,853	1/4	147,748	1/4	134,114	1/4	119,087	1/4	104,018	1/4	88,941		
1/2	1/2	178,126	171,335	1/2	163,771	1/2	155,684	1/2	147,579	1/2	133,802	1/2	118,774	1/2	103,704	1/2	88,627		
3/4	3/4	177,978	171,186	3/4	163,606	3/4	155,515	3/4	147,410	3/4	133,490	3/4	118,460	3/4	103,390	3/4	88,313		
10	10	177,844	171,035	10	163,440	10	155,347	10	147,242	10	133,178	10	118,147	10	103,076	10	87,999		
1/4	1/4	177,710	170,885	1/4	163,273	1/4	155,178	1/4	147,073	1/4	132,866	1/4	117,833	1/4	102,761	1/4	87,685		
1/2	1/2	177,576	170,734	1/2	163,107	1/2	155,009	1/2	146,904	1/2	132,554	1/2	117,520	1/2	102,447	1/2	87,371		
3/4	3/4	177,442	170,583	3/4	162,940	3/4	154,840	3/4	146,735	3/4	132,242	3/4	117,206	3/4	102,133	3/4	87,057		
11	11	177,307	170,431	11	162,772	11	154,671	11	146,568	11	131,929	11	116,893	11	101,819	11	86,743		
1/4	1/4	177,171	170,279	1/4	162,604	1/4	154,502	1/4	146,361	1/4	131,617	1/4	116,579	1/4	101,505	1/4	86,429		
1/2	1/2	177,036	170,128	1/2	162,437	1/2	154,333	1/2	146,175	1/2	131,305	1/2	116,266	1/2	101,191	1/2	86,115		
3/4	3/4	176,900	169,976	3/4	162,269	3/4	154,165	3/4	145,988	3/4	130,993	3/4	115,952	3/4	100,877	3/4	85,800		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
<http://www.pmacorp.net>



# BARGE "DBL 319"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-08 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,486	0	70,407	0	55,382	0	40,724	0	25,940	0	10,856	0		0		0		0	
1/4	85,172	1/4	70,092	1/4	55,071	1/4	40,424	1/4	25,626	1/4	10,542	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,858	1/2	69,778	1/2	54,759	1/2	40,123	1/2	25,311	1/2	10,227	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,544	3/4	69,464	3/4	54,448	3/4	39,823	3/4	24,997	3/4	9,913	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	84,230	1	69,150	1	54,136	1	39,523	1	24,683	1	9,599	1	1	1	1	1	1	1	1
1/4	83,916	1/4	68,836	1/4	53,824	1/4	39,223	1/4	24,369	1/4	9,285	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,602	1/2	68,522	1/2	53,513	1/2	38,923	1/2	24,054	1/2	8,970	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,287	3/4	68,207	3/4	53,201	3/4	38,623	3/4	23,740	3/4	8,656	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	82,973	2	67,893	2	52,890	2	38,323	2	23,426	2	8,341	2	2	2	2	2	2	2	2
1/4	82,659	1/4	67,579	1/4	52,578	1/4	38,022	1/4	23,112	1/4	8,026	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,345	1/2	67,265	1/2	52,267	1/2	37,722	1/2	22,797	1/2	7,711	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,031	3/4	66,951	3/4	51,955	3/4	37,422	3/4	22,483	3/4	7,399	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	81,717	3	66,637	3	51,644	3	37,120	3	22,169	3	7,085	3	3	3	3	3	3	3	3
1/4	81,402	1/4	66,322	1/4	51,334	1/4	36,819	1/4	21,855	1/4	6,770	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,088	1/2	66,008	1/2	51,023	1/2	36,518	1/2	21,540	1/2	6,456	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,774	3/4	65,694	3/4	50,712	3/4	36,217	3/4	21,226	3/4	6,142	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,460	4	65,380	4	50,401	4	35,915	4	20,912	4	5,827	4	4	4	4	4	4	4	4
1/4	80,146	1/4	65,066	1/4	50,090	1/4	35,614	1/4	20,598	1/4	5,513	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,832	1/2	64,752	1/2	49,779	1/2	35,313	1/2	20,283	1/2	5,198	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,517	3/4	64,437	3/4	49,468	3/4	35,012	3/4	19,969	3/4	4,884	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	79,203	5	64,123	5	49,158	5	34,708	5	19,655	5	4,573	5	5	5	5	5	5	5	5
1/4	78,889	1/4	63,809	1/4	48,847	1/4	34,404	1/4	19,341	1/4	4,262	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,575	1/2	63,495	1/2	48,537	1/2	34,100	1/2	19,026	1/2	3,951	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,261	3/4	63,181	3/4	48,226	3/4	33,796	3/4	18,712	3/4	3,640	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	77,947	6	62,867	6	47,926	6	33,482	6	18,399	6	3,359	6	6	6	6	6	6	6	6
1/4	77,632	1/4	62,553	1/4	47,626	1/4	33,168	1/4	18,085	1/4	3,078	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,318	1/2	62,239	1/2	47,326	1/2	32,853	1/2	17,772	1/2	2,797	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,004	3/4	61,925	3/4	47,026	3/4	32,539	3/4	17,455	3/4	2,516	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	76,690	7	61,614	7	46,726	7	32,225	7	17,141	7	2,287	7	7	7	7	7	7	7	7
1/4	76,376	1/4	61,302	1/4	46,426	1/4	31,911	1/4	16,827	1/4	2,058	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,062	1/2	60,991	1/2	46,125	1/2	31,596	1/2	16,512	1/2	1,829	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,747	3/4	60,679	3/4	45,825	3/4	31,282	3/4	16,198	3/4	1,600	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,433	8	60,367	8	45,525	8	30,968	8	15,884	8	1,423	8	8	8	8	8	8	8	8
1/4	75,119	1/4	60,056	1/4	45,225	1/4	30,654	1/4	15,570	1/4	1,245	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,805	1/2	59,744	1/2	44,925	1/2	30,339	1/2	15,255	1/2	1,068	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,491	3/4	59,433	3/4	44,625	3/4	30,025	3/4	14,941	3/4	891	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,177	9	59,121	9	44,325	9	29,711	9	14,627	9		9	9	9	9	9	9	9	9
1/4	73,862	1/4	58,810	1/4	44,025	1/4	29,397	1/4	14,313	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,548	1/2	58,498	1/2	43,725	1/2	29,082	1/2	13,998	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,234	3/4	58,186	3/4	43,425	3/4	28,768	3/4	13,684	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	72,920	10	57,875	10	43,124	10	28,454	10	13,370	10		10	10	10	10	10	10	10	10
1/4	72,606	1/4	57,563	1/4	42,824	1/4	28,140	1/4	13,056	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,292	1/2	57,252	1/2	42,524	1/2	27,825	1/2	12,741	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,977	3/4	56,940	3/4	42,224	3/4	27,511	3/4	12,427	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	71,663	11	56,629	11	41,924	11	27,197	11	12,113	11		11	11	11	11	11	11	11	11
1/4	71,349	1/4	56,317	1/4	41,624	1/4	26,883	1/4	11,799	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,035	1/2	56,005	1/2	41,324	1/2	26,568	1/2	11,484	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,721	3/4	55,694	3/4	41,024	3/4	26,254	3/4	11,170	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 02/25/2015 CL  
PRINTED: 03/01/2015 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
<http://www.pmacorp.net>