

#### **ULLAGE TRIM TABLE**

	1 I	FT.	2	FT.	3	FT.	4	FT.	5	FT.	6	FT.
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	BOW	STERN	<u>BOW</u>	STERN	<b>BOW</b>	STERN	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
1 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

#### **EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

FWD. DRAFT = 1'-00" AFT DRAFT = 4'-00"

DIFF. = 3'-00'' (DOWN BY STERN)

THE CORRECTION FOR 3'-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 3'-11 7/8"

**LENGTH BETWEEN DRAFT MARKS: 238'-06"** 

August 1, 2013

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2092 Pearland, Texas 77588

http://www.pmacorp.net



## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 15'-11"** 

CAPAC	ITIES GIVEN IN WHOLE GA															GAUGE	пеівп	
IN	<b>0 FT.</b>	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	206,752	0	191,839	0	176,878	0	161,878	0	146,873	0	131,869	0	116,864	0	101,856
1/4	1/4		1/4	206,443	1/4	191,527	1/4	176,566	1/4	161,566	1/4	146,561	1/4	131,556	1/4	116,551	1/4	101,544
1/2	1/2		1/2	206,134	1/2	191,215	1/2	176,254	1/2	161,253	1/2	146,248	1/2	131,243	1/2	116,239	1/2	101,231
3/4	3/4		3/4	205,825	3/4	190,904	3/4	175,943	3/4	160,940	3/4	145,936	3/4	130,931	3/4	115,926	3/4	100,918
1	1		1	205,516	1	190,592	1	175,631	1	160,628	1	145,623	1	130,618	1	115,613	1	100,605
1/4	1/4		1/4	205,206	1/4	190,280	1/4	175,319	1/4	160,315	1/4	145,310	1/4	130,306	1/4	115,301	1/4	100,293
1/2	1/2		1/2	204,896	1/2	189,969	1/2	175,007	1/2	160,003	1/2	144,998	1/2	129,993	1/2	114,988	1/2	99,980
3/4	3/4		3/4	204,587	3/4	189,657	3/4	174,694	3/4	159,690	3/4	144,685	3/4	129,680	3/4	114,676	3/4	99,667
2	2	ľ	2	204,277	2	189,345	2	174,382	2	159,377	2	144,373	2	129,368	2	114,363	2	99,355
1/4	1/4		1/4	203,967	1/4	189,034	1/4	174,070	1/4	159,065	1/4	144,060	1/4	129,055	1/4	114,050	1/4	99,042
1/2	1/4			203,658		188,722	1/2	173,757	1/2	158,752		143,747	1/2	128,743	1/2	113,738	1/2	98,729
3/4	3/4		1/2 3/4	203,348	1/2 3/4	188,410	3/4	173,445	3/4	158,732	1/2 3/4	143,435	3/4	128,430	3/4	113,736	3/4	98,416
3/4	3/4		3/4		3/4	,	3/4		3/4		3/4		3/4		3/4		3/4	
_			_	203,038	-	188,098	$oldsymbol{}$	173,132	$\leftarrow$	158,127	-	143,122	-	128,117	_	113,113	-	98,104
1/4	1/4		1/4	202,729	1/4	187,787	1/4	172,819	1/4	157,814	1/4	142,810	1/4	127,805	1/4	112,800	1/4	97,791
1/2	1/2		1/2	202,419	1/2	187,475	1/2	172,507	1/2	157,502	1/2	142,497	1/2	127,492	1/2	112,487	1/2	97,478
3/4	3/4		3/4	202,110	3/4	187,163	3/4	172,194	3/4	157,189	3/4	142,184	3/4	127,180	3/4	112,175	3/4	97,165
4	4		4	201,800	4	186,852	4	171,882	4	156,877	4	141,872	4	126,867	4	111,862	4	96,853
1/4	1/4		1/4	201,490	1/4	186,540	1/4	171,569	1/4	156,564	1/4	141,559	1/4	126,554	1/4	111,550	1/4	96,540
1/2	1/2		1/2	201,181	1/2	186,228	1/2	171,256	1/2	156,251	1/2	141,247	1/2	126,242	1/2	111,237	1/2	96,227
3/4	3/4		3/4	200,871	3/4	185,917	3/4	170,944	3/4	155,939	3/4	140,934	3/4	125,929	3/4	110,924	3/4	95,914
5	5		5	200,562	5	185,605	5	170,631	5	155,626	5	140,621	5	125,617	5	110,612	5	95,602
1/4	1/4		1/4	200,251	1/4	185,293	1/4	170,319	1/4	155,314	1/4	140,309	1/4	125,304	1/4	110,299	1/4	95,289
1/2	1/2		1/2	199,941	1/2	184,982	1/2	170,006	1/2	155,001	1/2	139,996	1/2	124,991	1/2	109,987	1/2	94,976
3/4	3/4		3/4	199,630	3/4	184,670	3/4	169,693	3/4	154,688	3/4	139,684	3/4	124,679	3/4	109,674	3/4	94,663
6	6		6	199,319	6	184,358	6	169,381	6	154,376	6	139,371	6	124,366	6	109,361	6	94,351
1/4	1/4		1/4	199,008	1/4	184,047	1/4	169,068	1/4	154,063	1/4	139,058	1/4	124,054	1/4	109,049	1/4	94,038
1/2	1/2		1/2	198,696	1/2	183,735	1/2	168,756	1/2	153,751	1/2	138,746	1/2	123,741	1/2	108,736	1/2	93,725
3/4	3/4		3/4	198,384	3/4	183,423	3/4	168,443	3/4	153,438	3/4	138,433	3/4	123,428	3/4	108,423	3/4	93,413
7	7		7	198,073	7	183,111	7	168,130	7	153,125	7	138,121	7	123,116	7	108,111	7	93,100
1/4	1/4		1/4	197,761	1/4	182,800	1/4	167,818	1/4	152,813	1/4	137,808	1/4	122,803	1/4	107,798	1/4	92,787
1/2	1/2		1/2	197,449	1/2	182,488	1/2	167,505	1/2	152,500	1/2	137,495	1/2	122,491	1/2	107,486	1/2	92,474
3/4	3/4		3/4	197,137	3/4	182,176	3/4	167,193	3/4	152,188	3/4	137,183	3/4	122,178	3/4	107,173	3/4	92,162
8	8	210,737	8	196,826	8	181,865	8	166,880	8	151,875	8	136,870	8	121,865	8	106,860	8	91,849
1/4	1/4	210,757	1/4	196,514	1/4	181,553	1/4	166,567	1/4	151,562	1/4	136,558	1/4	121,553	1/4	106,547	1/4	91,536
	1/4	210,338		196,514	1/4	181,241		166,367	1/4	151,362	1/4	136,336	1/4	121,333	1/4	106,347		91,536
1/2		,	1/2	,	_		1/2	-				135,245		,			1/2	91,223
3/4 <b>9</b>	3/4 9	210,199	3/4 <b>9</b>	195,891	3/4 <b>9</b>	180,930	3/4 <b>9</b>	165,942	3/4 <b>9</b>	150,937	3/4 <b>9</b>		3/4 <b>9</b>	120,928	3/4 <b>9</b>	105,922	3/4 <b>9</b>	90,598
-		210,020	_	195,579	-	180,618	+	165,629	-	150,625	-	135,620		120,615	_	105,609	-	
1/4	1/4	209,788	1/4	195,267	1/4	180,306	1/4	165,317	1/4	150,312	1/4	135,307	1/4	120,302	1/4	105,297	1/4	90,285
1/2	1/2	209,557	1/2	194,956	1/2	179,995	1/2	165,004	1/2	149,999	1/2	134,995	1/2	119,990	1/2	104,984	1/2	89,972
3/4	3/4	209,325	3/4	194,644	3/4	179,683	3/4	164,692	3/4	149,687	3/4	134,682	3/4	119,677	3/4	104,671	3/4	89,660
10	10	209,094	10	194,332	10	179,371	10	164,379	10	149,374	10	134,369	10	119,365	10	104,358	10	89,347
1/4	1/4	208,814	1/4	194,021	1/4	179,059	1/4	164,066	1/4	149,062	1/4	134,057	1/4	119,052	1/4	104,046	1/4	89,034
1/2	1/2	208,534	1/2	193,709	1/2	178,748	1/2	163,754	1/2	148,749	1/2	133,744	1/2	118,739	1/2	103,733	1/2	88,722
3/4	3/4	208,254	3/4	193,397	3/4	178,436	3/4	163,441	3/4	148,436	3/4	133,432	3/4	118,427	3/4	103,420	3/4	88,409
11	11	207,974	11	193,086	11	178,124	11	163,129	11	148,124	11	133,119	11	118,114	11	103,107	11	88,096
1/4	1/4	207,669	1/4	192,774	1/4	177,813	1/4	162,816	1/4	147,811	1/4	132,806	1/4	117,802	1/4	102,795	1/4	87,783
1/2	1/2	207,363	1/2	192,462	1/2	177,501	1/2	162,503	1/2	147,499	1/2	132,494	1/2	117,489	1/2	102,482	1/2	87,471
3/4	3/4	207,058	3/4	192,150	3/4	177,189	3/4	162,191	3/4	147,186	3/4	132,181	3/4	117,176	3/4	102,169	3/4	87,158
	3,1	,		,	1 ~ .	,		- ,		,		- ,						MED TANK ONLY

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



# 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

	IES GIVEN IN WH			, ,				, ,		, ,			<del></del>	·	GAUGE HEIGH	
V	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. ℕ	<b>17 FT</b> . N	18 FT. N	19 FT.
)	86,845	0	71,834	0	56,875	0	41,916	0	26,905	0	12,052	0	0	0	0	
4	86,532	1/4	71,521	1/4	56,564	1/4	41,603	1/4	26,592	1/4	11,758	1/4	1/4	1/4	1/4	
2	86,220	1/2	71,208	1/2	56,254	1/2	41,290	1/2	26,279	1/2	11,465	1/2	1/2	1/2	1/2	
	85,907	3/4	70,896	3/4	55,943	3/4	40,978	3/4	25,967	3/4	11,171	3/4	3/4	3/4	3/4	
	85,594	1	70,583	1	55,633	1	40,665	1	25,654	1	10,878	1	1	1	1	
ı	85,281	1/4	70,270	1/4	55,323	1/4	40,352	1/4	25,341	1/4	10,588	1/4	1/4	1/4	1/4	
2	84,969	1/2	69,957	1/2	55,012	1/2	40,039	1/2	25,029	1/2	10,299	1/2	1/2	1/2	1/2	
ļ.	84,656	3/4	69,645	3/4	54,702	3/4	39,727	3/4	24,716	3/4	10,009	3/4	3/4	3/4		
1	84,343	2	69,332	2	54,392	2	39,414	2	24,403	2	9,719	2	2	2		
1	84,030	1/4	69,019	1/4	54,081	1/4	39,101	1/4	24,090	1/4	9,434	1/4	1/4	1/4	1/4	
	83,718	1/2	68,706	1/2	53,771	1/2	38,789	1/2	23,778	1/2	9,148	1/2	1/2	1/2	1/2	
	83,405	3/4	68,394	3/4	53,461	3/4	38,476	3/4	23,465	3/4	8,862	3/4	3/4	3/4	3/4	
$\top$	83,092	3	68,081	3	53,150	3	38,163	3	23,152	3	8,576	3	3	3		
+	82,780	1/4	67,768	1/4	52,840	1/4	37,850	1/4	22,839	1/4	8,294	1/4	1/4	1/4		
	82,467	1/2	67,455	1/2	52,529	1/2	37,538	1/2	22,527	1/2	8,012	1/2	1/4	1/4	1/4	
	82,154	3/4	67,143	3/4	52,329	3/4	37,225	3/4	22,327	3/4	7,731	3/4	3/4	3/4		
_	81,841	4	66,830	4	51,908	4	36,912	4	21,901	4	7,731	4	4	4		
4	81,529	-	66,517	_		-	36,599	-	21,589	-	7,449	-			_	
		1/4		1/4	51,597	1/4	36,287	1/4		1/4		1/4	1/4	1/4		
	81,216	1/2	66,204	1/2	51,286	1/2		1/2	21,276	1/2	6,892	1/2	1/2	1/2		
	80,903	3/4	65,892	3/4	50,975	3/4	35,974	3/4	20,963	3/4	6,614	3/4	3/4	3/4	3/4	
+	80,590	5	65,579	5	50,664	5	35,661	5	20,650	5	6,336	5	5	5	5	
	80,278	1/4	65,266	1/4	50,352	1/4	35,349	1/4	20,338	1/4	6,062	1/4	1/4	1/4		
	79,965	1/2	64,954	1/2	50,041	1/2	35,036	1/2	20,025	1/2	5,788	1/2	1/2	1/2		
4	79,652	3/4	64,641	3/4	49,730	3/4	34,723	3/4	19,712	3/4	5,514	3/4	3/4	3/4	3/4	
_	79,339	6	64,329	6	49,418	6	34,410	6	19,399	6	5,239	6	6	6	6	
	79,027	1/4	64,017	1/4	49,106	1/4	34,098	1/4	19,087	1/4	4,969	1/4	1/4	1/4	1/4	
	78,714	1/2	63,706	1/2	48,794	1/2	33,785	1/2	18,774	1/2	4,699	1/2	1/2	1/2	1/2	
+	78,401	3/4	63,394	3/4	48,482	3/4	33,472	3/4	18,461	3/4	4,428	3/4	3/4	3/4	3/4	
	78,088	7	63,083	7	48,170	7	33,159	7	18,149	7	4,158	7	7	7	7	
	77,776	1/4	62,772	1/4	47,858	1/4	32,847	1/4	17,837	1/4	3,892	1/4	1/4	1/4	1/4	
	77,463	1/2	62,462	1/2	47,545	1/2	32,534	1/2	17,525	1/2	3,625	1/2	1/2	1/2	1/2	
	77,150	3/4	62,151	3/4	47,232	3/4	32,221	3/4	17,213	3/4	3,359	3/4	3/4	3/4	3/4	
$\perp$	76,838	8	61,841	8	46,919	8	31,909	8	16,901	8	3,093	8	8	8	8	
	76,525	1/4	61,530	1/4	46,607	1/4	31,596	1/4	16,593	1/4	2,831	1/4	1/4	1/4	1/4	
	76,212	1/2	61,220	1/2	46,294	1/2	31,283	1/2	16,284	1/2	2,569	1/2	1/2	1/2	1/2	
	75,899	3/4	60,909	3/4	45,981	3/4	30,970	3/4	15,975	3/4	2,308	3/4	3/4	3/4	3/4	
	75,587	9	60,599	9	45,669	9	30,658	9	15,666	9	2,046	9	9	9	9	
	75,274	1/4	60,289	1/4	45,356	1/4	30,345	1/4	15,361	1/4	1,808	1/4	1/4	1/4	1/4	
	74,961	1/2	59,978	1/2	45,043	1/2	30,032	1/2	15,056	1/2	1,569	1/2	1/2	1/2	1/2	
	74,648	3/4	59,668	3/4	44,730	3/4	29,719	3/4	14,751	3/4	1,331	3/4	3/4	3/4	3/4	
	74,336	10	59,358	10	44,418	10	29,407	10	14,446	10	1,092	10	10	10	10	
	74,023	1/4	59,047	1/4	44,105	1/4	29,094	1/4	14,145	1/4	915	1/4	1/4	1/4	1/4	-
	73,710	1/2	58,737	1/2	43,792	1/2	28,781	1/2	13,844	1/2	739	1/2	1/2	1/2	1/2	
	73,397	3/4	58,426	3/4	43,479	3/4	28,469	3/4	13,542	3/4	562	3/4	3/4	3/4	3/4	
1	73,085	11	58,116	11	43,167	11	28,156	11	13,241	11	385	11	11	11		
	72,772	1/4	57,806	1/4	42,854	1/4	27,843	1/4	12,944	1/4		1/4	1/4	1/4		
2	72,459	1/2	57,495	1/2	42,541	1/2	27,530	1/2	12,647	1/2		1/2	1/2	1/2	1/2	
i L	72,146	3/4	57,185	3/4	42,229	3/4	27,218	3/4	12,349	3/4		3/4	3/4	3/4		

STRAPPED: 08/01/2013 CL CALCULATED: 08/01/2013 CL PRINTED: 08/01/2013 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 15'-11"** 

CAPAC	ITIES GIVEN IN WH	OLE GAL															GAUGE F	IEIGHI	
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	206,897	0	191,980	0	177,015	0	162,012	0	147,004	0	131,995	0	116,987	0	101,976
1/4		1/4		1/4	206,588	1/4	191,668	1/4	176,703	1/4	161,699	1/4	146,691	1/4	131,683	1/4	116,674	1/4	101,664
1/2		1/2		1/2	206,278	1/2	191,356	1/2	176,392	1/2	161,387	1/2	146,378	1/2	131,370	1/2	116,362	1/2	101,351
3/4		3/4		3/4	205,969	3/4	191,044	3/4	176,080	3/4	161,074	3/4	146,066	3/4	131,057	3/4	116,049	3/4	101,038
1		1		1	205,660	1	190,733	1	175,768	1	160,761	1	145,753	1	130,745	1	115,736	1	100,725
$\vdash$		$\vdash$			205,350		190,421	-	175,456	-	160,449	-	145,440	-	130,432	-	115,730	-	100,723
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2	205,040	1/2	190,109	1/2	175,144	1/2	160,136	1/2	145,128	1/2	130,119	1/2	115,111	1/2	100,100
3/4		3/4		3/4	204,731	3/4	189,797	3/4	174,831	3/4	159,823	3/4	144,815	3/4	129,807	3/4	114,798	3/4	99,787
2		2		2	204,421	2	189,486	2	174,519	2	159,511	2	144,502	2	129,494	2	114,486	2	99,474
1/4		1/4		1/4	204,111	1/4	189,174	1/4	174,206	1/4	159,198	1/4	144,190	1/4	129,181	1/4	114,173	1/4	99,161
1/2		1/2		1/2	203,802	1/2	188,862	1/2	173,894	1/2	158,885	1/2	143,877	1/2	128,869	1/2	113,860	1/2	98,848
3/4		3/4		3/4	203,492	3/4	188,550	3/4	173,581	3/4	158,573	3/4	143,564	3/4	128,556	3/4	113,548	3/4	98,536
3		3		3	203,182	3	188,239	3	173,268	3	158,260	3	143,251	3	128,243	3	113,235	3	98,223
1/4		1/4	-	1/4	202,872	1/4	187,927	1/4	172,956	1/4	157,947	1/4	142,939	1/4	127,931	1/4	112,922	1/4	97,910
1/2		1/2		1/2	202,563	1/2	187,615	1/2	172,643	1/2	157,635	1/2	142,626	1/2	127,618	1/2	112,610	1/2	97,597
3/4		3/4		3/4	202,253	3/4	187,303	3/4	172,330	3/4	157,322	3/4	142,313	3/4	127,305	3/4	112,297	3/4	97,284
4		4		4	201,943	4	186,991	4	172,018	4	157,009	4	142,001	4	126,992	4	111,984	4	96,971
1/4		1/4		1/4	201,634	1/4	186,680	1/4	171,705	1/4	156,697	1/4	141,688	1/4	126,680	1/4	111,672	1/4	96,659
1/2		1/2		1/2	201,324	1/2	186,368	1/2	171,392	1/2	156,384	1/2	141,375	1/2	126,367	1/2	111,359	1/2	96,346
3/4		3/4		3/4	201,014	3/4	186,056	3/4	171,080	3/4	156,071	3/4	141,063	3/4	126,054	3/4	111,046	3/4	96,033
5		5		5	200,705	5	185,744	5	170,767	5	155,759	5	140,750	5	125,742	5	110,734	5	95,720
_		-			,		· · · · · · · · · · · · · · · · · · ·	-		-		-		-	•	-		-	
1/4		1/4		1/4	200,394	1/4	185,433	1/4	170,454	1/4	155,446	1/4	140,437	1/4	125,429	1/4	110,421	1/4	95,407
1/2		1/2		1/2	200,083	1/2	185,121	1/2	170,142	1/2	155,133	1/2	140,125	1/2	125,116	1/2	110,108	1/2	95,095
3/4		3/4		3/4	199,773	3/4	184,809	3/4	169,829	3/4	154,821	3/4	139,812	3/4	124,804	3/4	109,796	3/4	94,782
6		6		6	199,462	6	184,497	6	169,516	6	154,508	6	139,499	6	124,491	6	109,483	6	94,469
1/4		1/4		1/4	199,150	1/4	184,186	1/4	169,204	1/4	154,195	1/4	139,187	1/4	124,178	1/4	109,170	1/4	94,156
1/2		1/2		1/2	198,839	1/2	183,874	1/2	168,891	1/2	153,882	1/2	138,874	1/2	123,866	1/2	108,858	1/2	93,843
3/4		3/4		3/4	198,527	3/4	183,562	3/4	168,578	3/4	153,570	3/4	138,561	3/4	123,553	3/4	108,545	3/4	93,531
7		7		7	198,215	7	183,250	7	168,266	7	153,257	7	138,249	7	123,240	7	108,232	7	93,218
1/4		1/4		1/4	197,903	1/4	182,939	1/4	167,953	1/4	152,944	1/4	137,936	1/4	122,928	1/4	107,920	1/4	92,905
1/2		1/2		1/2	197,591	1/2	182,627	1/2	167,640	1/2	152,632	1/2	137,623	1/2	122,615	1/2	107,607	1/2	92,592
3/4		3/4		3/4	197,280	3/4	182,315	3/4	167,328	3/4	152,319	3/4	137,311	3/4	122,302	3/4	107,294	3/4	92,279
8		8	210,883	8	196,968	8	182,003	8	167,015	8	152,006	8	136,998	8	121,990	8	106,981	8	91,967
1/4		1/4	210,703	1/4	196,656	1/4	181,691	1/4	166,702	1/4	151,694	1/4	136,685	1/4	121,677	1/4	106,668	1/4	91,654
1/2		1/2	210,524	1/2	196,344	1/2	181,380	1/2	166,390	1/2	151,381	1/2	136,373	1/2	121,364	1/2	106,356	1/2	91,341
3/4		3/4	210,344	3/4	196,033	3/4	181,068	3/4	166,077	3/4	151,068	3/4	136,060	3/4	121,052	3/4	106,043	3/4	91,028
9		9	210,165	9	195,721	9	180,756	9	165,764	9	150,756	9	135,747	9	120,739	9	105,730	9	90,715
1/4		1/4	209,933	1/4	195,409	1/4	180,444	1/4	165,451	1/4	150,443	1/4	135,435	1/4	120,426	1/4	105,417	1/4	90,403
1/2		1/2	209,702	1/2	195,097	1/4	180,133	1/2	165,139	1/2	150,130	1/2	135,122	1/2	120,114	1/2	105,104	1/2	90,090
3/4		3/4	209,470	3/4	193,097	3/4	179,821	3/4	164,826	3/4	149,818	3/4	134,809	3/4	119,801	3/4	105,104	3/4	89,777
10		10	209,239	10	194,474	10	179,509	10	164,513	10	149,505	10	134,497	10		10	104,792	10	89,464
$\rightarrow$			,	-	,	-	,	-		-		-		-	119,488	-		-	
1/4		1/4	208,959	1/4	194,162	1/4	179,197	1/4	164,201	1/4	149,192	1/4	134,184	1/4	119,176	1/4	104,166	1/4	89,151
1/2		1/2	208,679	1/2	193,850	1/2	178,886	1/2	163,888	1/2	148,880	1/2	133,871	1/2	118,863	1/2	103,853	1/2	88,839
3/4		3/4	208,399	3/4	193,539	3/4	178,574	3/4	163,575	3/4	148,567	3/4	133,559	3/4	118,550	3/4	103,540	3/4	88,526
11		11	208,119	11	193,227	11	178,262	11	163,263	11	148,254	11	133,246	11	118,238	11	103,228	11	88,213
1/4		1/4	207,814	1/4	192,915	1/4	177,950	1/4	162,950	1/4	147,942	1/4	132,933	1/4	117,925	1/4	102,915	1/4	87,900
1/2		1/2	207,508	1/2	192,603	1/2	177,639	1/2	162,637	1/2	147,629	1/2	132,621	1/2	117,612	1/2	102,602	1/2	87,587
3/4		3/4	207,202	3/4	192,291	3/4	177,327	3/4	162,325	3/4	147,316	3/4	132,308	3/4	117,300	3/4	102,289	3/4	87,275
															CEDTIE	ED CHA	RT FOR THE ABO	OVE NAM	ED TANK ONLY

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



CAPACITIES GIVEN IN WHOLE GALLONS

## 1 STBD ULLAGE TABLE

GAUGE HEIGHT 15'-11"

APACI	HES GIVEN IN WHO	JLE GALLO													GAUGE REIGH	
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. N	<b>17 FT.</b> ℕ	18 FT. N	19 FT.
0	86,962	0	71,947	0	56,936	0	41,925	0	26,911	0	12,055	0	0	0	0	
1/4	86,649	1/4	71,634	1/4	56,623	1/4	41,612	1/4	26,598	1/4	11,761	1/4	1/4	1/4	1/4	
1/2	86,336	1/2	71,321	1/2	56,311	1/2	41,300	1/2	26,285	1/2	11,468	1/2	1/2	1/2	1/2	
3/4	86,023	3/4	71,009	3/4	55,998	3/4	40,987	3/4	25,973	3/4	11,174	3/4	3/4	3/4	3/4	
1	85,710	1	70,696	1	55,686	1	40,674	1	25,660	1	10,880	1	1	1	1	
1/4	85,398	1/4	70,383	1/4	55,373	1/4	40,361	1/4	25,347	1/4	10,591	1/4	1/4	1/4	1/4	
/2	85,085	1/2	70,070	1/2	55,061	1/2	40,048	1/2	25,034	1/2	10,301	1/2	1/2	1/2	1/2	
3/4	84,772	3/4	69,757	3/4	54,748	3/4	39,736	3/4	24,721	3/4	10,011	3/4	3/4	3/4	3/4	
2	84,459	2	69,445	2	54,435	2	39,423	2	24,409	2	9,722	2	2	2	2	
/4	84,146	1/4	69,132	1/4	54,123	1/4	39,110	1/4	24,096	1/4	9,436	1/4	1/4	1/4	1/4	
12	83,834	1/2	68,819	1/2	53,810	1/2	38,797	1/2	23,783	1/2	9,150	1/2	1/2	1/2	1/2	
4	83,521	3/4	68,506	3/4	53,498	3/4	38,484	3/4	23,470	3/4	8,864	3/4	3/4	3/4	3/4	
3	83,208	3	68,193	3	53,185	3	38,172	3	23,157	3	8,578	3	3/4	3	3/4	
_	82,895	1/4	67,881	-	52,872	-	37,859	1/4	22,845	-	8,296	-				
/4	82,582		67,568	1/4	52,560	1/4	37,546		22,532	1/4	8,014	1/4	1/4	1/4	1/4	
4	82,270	1/2 3/4	67,255	1/2 3/4	52,360	1/2 3/4	37,233	1/2 3/4	22,332	1/2 3/4	7,732	1/2 3/4	1/2	1/2	1/2	
_	•		•	3/4 4		-		_		3/4		3/4 <b>4</b>	3/4	3/4	3/4	
1	81,957	4	66,942	-	51,935	4	36,921	4	21,906	-	7,450	-				
/4	81,644	1/4	66,629	1/4	51,622	1/4	36,608	1/4	21,593	1/4	7,172	1/4	1/4	1/4	1/4	
/2	81,331	1/2	66,316	1/2	51,309	1/2	36,295	1/2	21,281	1/2	6,894	1/2	1/2	1/2	1/2	
4	81,018	3/4	66,004	3/4	50,996	3/4	35,982	3/4	20,968	3/4	6,616	3/4	3/4	3/4	3/4	
4	80,706	5	65,691	5	50,684	5	35,669	5	20,655	5	6,338	5	5	5	5	
4	80,393	1/4	65,378	1/4	50,371	1/4	35,357	1/4	20,342	1/4	6,064	1/4	1/4	1/4	1/4	
2	80,080	1/2	65,065	1/2	50,058	1/2	35,044	1/2	20,029	1/2	5,789	1/2	1/2	1/2	1/2	
4	79,767	3/4	64,752	3/4	49,745	3/4	34,731	3/4	19,717	3/4	5,515	3/4	3/4	3/4	3/4	
<u>.                                    </u>	79,454	6	64,440	6	49,432	6	34,418	6	19,404	6	5,241	6	6	6	6	
4	79,142	1/4	64,127	1/4	49,120	1/4	34,105	1/4	19,091	1/4	4,970	1/4	1/4	1/4	1/4	
2	78,829	1/2	63,814	1/2	48,807	1/2	33,793	1/2	18,778	1/2	4,700	1/2	1/2	1/2	1/2	
4	78,516	3/4	63,501	3/4	48,494	3/4	33,480	3/4	18,466	3/4	4,429	3/4	3/4	3/4	3/4	
	78,203	7	63,188	7	48,181	7	33,167	7	18,153	7	4,159	7	7	7	7	
4	77,890	1/4	62,876	1/4	47,868	1/4	32,854	1/4	17,841	1/4	3,893	1/4	1/4	1/4	1/4	
2	77,578	1/2	62,563	1/2	47,556	1/2	32,541	1/2	17,529	1/2	3,626	1/2	1/2	1/2	1/2	
4	77,265	3/4	62,250	3/4	47,243	3/4	32,229	3/4	17,217	3/4	3,360	3/4	3/4	3/4	3/4	
3	76,952	8	61,937	8	46,930	8	31,916	8	16,905	8	3,094	8	8	8	8	
4	76,639	1/4	61,625	1/4	46,617	1/4	31,603	1/4	16,596	1/4	2,832	1/4	1/4	1/4	1/4	
2	76,326	1/2	61,312	1/2	46,304	1/2	31,290	1/2	16,287	1/2	2,570	1/2	1/2	1/2	1/2	
4	76,013	3/4	61,000	3/4	45,992	3/4	30,977	3/4	15,979	3/4	2,308	3/4	3/4	3/4	3/4	
	75,701	9	60,687	9	45,679	9	30,665	9	15,670	9	2,047	9	9	9	9	
4	75,388	1/4	60,374	1/4	45,366	1/4	30,352	1/4	15,364	1/4	1,808	1/4	1/4	1/4	1/4	
2	75,075	1/2	60.062	1/2	45,053	1/2	30,039	1/2	15,059	1/2	1,569	1/2	1/2	1/2	1/2	
4	74,762	3/4	59,749	3/4	44,740	3/4	29,726	3/4	14,754	3/4	1,331	3/4	3/4	3/4	3/4	
,	74,449	10	59,437	10	44,428	10	29,413	10	14,449	10	1,092	10	10	10	10	
1	74,137	1/4	59,124	1/4	44,115	1/4	29,101	1/4	14,148	1/4	916	1/4	1/4	1/4	1/4	
2	73,824	1/2	58,811	1/2	43,802	1/4	28,788	1/2	13,847	1/2	739	1/4	1/4	1/4	1/2	
4	73,511	3/4	58,499	3/4	43,489	3/4	28,475	3/4	13,545	3/4	562	3/4	3/4	3/4	3/4	
1	73,118	11	58,186	11	43,176	11	28,162	3/4	13,244	11	385	11	3/4	3/4	3/4	
_			,			-		-	-,		303	_			<b>-</b>	
/4	72,885	1/4	57,874	1/4	42,864	1/4	27,849	1/4	12,947	1/4		1/4	1/4	1/4	1/4	
/2	72,573	1/2	57,561	1/2	42,551	1/2	27,537	1/2	12,649	1/2		1/2	1/2	1/2	1/2	
4	72,260	3/4	57,249	3/4	42,238	3/4	27,224	3/4	12,352	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 08/01/2013 CL CALCULATED: 08/01/2013 CL PRINTED: 08/01/2013 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 15'-11 1/4"** 

CAPAC	ITIES GIVEN IN WH	OLE GAL															GAUGE HE	IGHI	
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	209,336	0	194,395	0	179,379	0	164,319	0	149,251	0	134,184	0	119,116	0	104,046
1/4		1/4		1/4	209,031	1/4	194,083	1/4	179,066	1/4	164,005	1/4	148,937	1/4	133,870	1/4	118,802	1/4	103,732
1/2		1/2		1/2	208,721	1/2	193,770	1/2	178,753	1/2	163,691	1/2	148,623	1/2	133,556	1/2	118,488	1/2	103,418
3/4		3/4		3/4	208,412	3/4	193,457	3/4	178,440	3/4	163,377	3/4	148,310	3/4	133,242	3/4	118,174	3/4	103,104
1		1		1	208,103	1	193,144	1	178,128	1	163,063	1	147,996	1	132,928	1	117.860	1	102,790
-					,	_		-		-	,	+		-		+	,	_	
1/4		1/4		1/4	207,793	1/4	192,831	1/4	177,815	1/4	162,749	1/4	147,682	1/4	132,614	1/4	117,547	1/4	102,475
1/2		1/2		1/2	207,483	1/2	192,518	1/2	177,501	1/2	162,435	1/2	147,368	1/2	132,300	1/2	117,233	1/2	102,161
3/4		3/4		3/4	207,174	3/4	192,206	3/4	177,188	3/4	162,122	3/4	147,054	3/4	131,986	3/4	116,919	3/4	101,847
2		2		2	206,864	2	191,893	2	176,875	2	161,808	2	146,740	2	131,672	2	116,605	2	101,533
1/4		1/4		1/4	206,554	1/4	191,580	1/4	176,561	1/4	161,494	1/4	146,426	1/4	131,358	1/4	116,291	1/4	101,219
1/2		1/2		1/2	206,244	1/2	191,267	1/2	176,247	1/2	161,180	1/2	146,112	1/2	131,045	1/2	115,977	1/2	100,905
3/4		3/4		3/4	205,934	3/4	190,954	3/4	175,933	3/4	160,866	3/4	145,798	3/4	130,731	3/4	115,663	3/4	100,591
3		3		3	205,624	3	190,641	3	175,620	3	160,552	3	145,484	3	130,417	3	115,349	3	100,277
1/4		1/4		1/4	205,314	1/4	190,329	1/4	175,306	1/4	160,238	1/4	145,170	1/4	130,103	1/4	115,035	1/4	99,963
1/2		1/2		1/2	205,004	1/2	190,016	1/2	174,992	1/2	159,924	1/2	144,857	1/2	129,789	1/2	114,721	1/2	99,649
3/4		3/4		3/4	204,695	3/4	189,703	3/4	174,678	3/4	159,610	3/4	144,543	3/4	129,475	3/4	114,407	3/4	99,335
4		4		4		4		4		4		4		4		4		4	
		+			204,385	_	189,390	-	174,364	-	159,296	+	144,229		129,161	+	114,094	-	99,021
1/4		1/4		1/4	204,075	1/4	189,077	1/4	174,050	1/4	158,982	1/4	143,915	1/4	128,847	1/4	113,780	1/4	98,707
1/2		1/2		1/2	203,765	1/2	188,764	1/2	173,736	1/2	158,669	1/2	143,601	1/2	128,533	1/2	113,466	1/2	98,393
3/4		3/4		3/4	203,456	3/4	188,451	3/4	173,422	3/4	158,355	3/4	143,287	3/4	128,219	3/4	113,152	3/4	98,079
5		5		5	203,146	5	188,139	5	173,108	5	158,041	5	142,973	5	127,906	5	112,838	5	97,764
1/4		1/4		1/4	202,836	1/4	187,826	1/4	172,794	1/4	157,727	1/4	142,659	1/4	127,592	1/4	112,524	1/4	97,450
1/2		1/2		1/2	202,525	1/2	187,513	1/2	172,480	1/2	157,413	1/2	142,345	1/2	127,278	1/2	112,210	1/2	97,136
3/4		3/4		3/4	202,213	3/4	187,200	3/4	172,167	3/4	157,099	3/4	142,031	3/4	126,964	3/4	111,896	3/4	96,822
6		6		6	201,902	6	186,887	6	171,853	6	156,785	6	141,717	6	126,650	6	111,582	6	96,508
1/4		1/4		1/4	201,591	1/4	186,574	1/4	171,539	1/4	156,471	1/4	141,404	1/4	126,336	1/4	111,268	1/4	96,194
1/2		1/2		1/2	201,278	1/2	186,262	1/2	171,225	1/2	156,157	1/2	141,090	1/2	126,022	1/2	110,954	1/2	95,880
3/4		3/4		3/4	200,965	3/4	185,949	3/4	170,911	3/4	155,843	3/4	140,776	3/4	125,708	3/4	110,641	3/4	95,566
7		7		7	200,652	7	185,636	7	170,517	7	155,529	7	140,462	7	125,394	7	110,327	7	95,252
_		-					,	-	•	_		$\overline{}$			•	_		-	· · · · · · · · · · · · · · · · · · ·
1/4		1/4		1/4	200,339	1/4	185,323	1/4	170,283	1/4	155,216	1/4	140,148	1/4	125,080	1/4	110,013	1/4	94,938
1/2		1/2		1/2	200,027	1/2	185,010	1/2	169,969	1/2	154,902	1/2	139,834	1/2	124,766	1/2	109,699	1/2	94,624
3/4		3/4		3/4	199,714	3/4	184,697	3/4	169,655	3/4	154,588	3/4	139,520	3/4	124,453	3/4	109,385	3/4	94,310
8		8		8	199,401	8	184,384	8	169,341	8	154,274	8	139,206	8	124,139	8	109,071	8	93,996
1/4		1/4	213,015	1/4	199,088	1/4	184,072	1/4	169,027	1/4	153,960	1/4	138,892	1/4	123,825	1/4	108,757	1/4	93,682
1/2		1/2	212,836	1/2	198,775	1/2	183,759	1/2	168,714	1/2	153,646	1/2	138,578	1/2	123,511	1/2	108,443	1/2	93,368
3/4		3/4	212,657	3/4	198,462	3/4	183,446	3/4	168,400	3/4	153,332	3/4	138,264	3/4	123,197	3/4	108,129	3/4	93,053
9		9	212,478	9	198,150	9	183,133	9	168,086	9	153,018	9	137,951	9	122,883	9	107,815	9	92,739
1/4		1/4	212,299	1/4	197,837	1/4	182,820	1/4	167,772	1/4	152,704	1/4	137,637	1/4	122,569	1/4	107,501	1/4	92,425
1/2		1/2	212,067	1/2	197,524	1/2	182,507	1/2	167,458	1/2	152,390	1/2	137,323	1/2	122,255	1/2	107,186	1/2	92,111
3/4		3/4	211,836	3/4	197,211	3/4	182,195	3/4	167,144	3/4	152,076	3/4	137,009	3/4	121,941	3/4	106,872	3/4	91,797
10		10	211,605	10	196,898	10	181,882	10	166,830	10	151,763	10	136,695	10	121,627	10	106,558	10	91,483
-			· · · · · · · · · · · · · · · · · · ·	-		_	,	-	•	$oldsymbol{}$		-		-		-		-	
1/4		1/4	211,373	1/4	196,585	1/4	181,569	1/4	166,516	1/4	151,449	1/4	136,381	1/4	121,313	1/4	106,244	1/4	91,169
1/2		1/2	211,093	1/2	196,273	1/2	181,256	1/2	166,202	1/2	151,135	1/2	136,067	1/2	121,000	1/2	105,930	1/2	90,855
3/4		3/4	210,813	3/4	195,960	3/4	180,943	3/4	165,888	3/4	150,821	3/4	135,753	3/4	120,686	3/4	105,616	3/4	90,541
11		11	210,533	11	195,647	11	180,630	11	165,575	11	150,507	11	135,439	11	120,372	11	105,302	11	90,227
1/4		1/4	210,253	1/4	195,334	1/4	180,318	1/4	165,261	1/4	150,193	1/4	135,125	1/4	120,058	1/4	104,988	1/4	89,913
1/2		1/2	209,948	1/2	195,021	1/2	180,005	1/2	164,947	1/2	149,879	1/2	134,811	1/2	119,744	1/2	104,674	1/2	89,599
3/4		3/4	209,642	3/4	194,708	3/4	179,692	3/4	164,633	3/4	149,565	3/4	134,498	3/4	119,430	3/4	104,360	3/4	89,285
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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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



# 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/4"

PACI	IES GIVEN IN WH	OLE GALLO													GAUGE HEIGHT	
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. N	17 FT. N	18 FT. ℕ	19 FT.
0	88,971	0	73,895	0	59,068	0	44,575	0	29,836	0	14,764	0	0	0	0	
/4	88,657	1/4	73,581	1/4	58,765	1/4	44,274	1/4	29,522	1/4	14,450	1/4	1/4	1/4	1/4	
2	88,343	1/2	73,267	1/2	58,463	1/2	43,973	1/2	29,209	1/2	14,136	1/2	1/2	1/2	1/2	
4	88,028	3/4	72,953	3/4	58,161	3/4	43,671	3/4	28,895	3/4	13,822	3/4	3/4	3/4	3/4	
	87,714	1	72,639	1	57,858	1	43,370	1	28,581	1	13,508	1	1	1	1	
4	87,400	1/4	72,325	1/4	57,556	1/4	43,069	1/4	28,267	1/4	13,194	1/4	1/4	1/4	1/4	
2	87,086	1/2	72,011	1/2	57,254	1/2	42,767	1/2	27,953	1/2	12,879	1/2	1/2	1/2	1/2	
4	86,772	3/4	71,697	3/4	56,952	3/4	42,466	3/4	27,639	3/4	12,565	3/4	3/4	3/4	3/4	
	86,458	2	71,383	2	56,649	2	42,165	2	27,326	2	12,251	2	2	2	2	
	86,144	1/4	71,069	1/4	56,347	1/4	41,863	1/4	27,012	1/4	11,937	1/4	1/4	1/4	1/4	
	85,830	1/2	70,755	1/2	56,045	1/2	41,562	1/2	26,698	1/2	11,623	1/2	1/2	1/2	1/2	
	85,516	3/4	70,441	3/4	55,742	3/4	41,261	3/4	26,384	3/4	11,309	3/4	3/4	3/4	3/4	
T	85,202	3	70,127	3	55,440	3	40,959	3	26,070	3	10,995	3	3	3	3	
	84,888	1/4	69,813	1/4	55,138	1/4	40,658	1/4	25,756	1/4	10,681	1/4	1/4	1/4	1/4	
	84,574	1/2	69,499	1/2	54,835	1/2	40,356	1/2	25,442	1/2	10,367	1/2	1/2	1/2	1/2	
	84,260	3/4	69,184	3/4	54,533	3/4	40,055	3/4	25,128	3/4	10,053	3/4	3/4	3/4	3/4	
$\top$	83,946	4	68,870	4	54,231	4	39,754	4	24,814	4	9,739	4	4	4	4	
+	83,632	1/4	68,556	1/4	53,929	1/4	39,452	1/4	24,500	1/4	9,425	1/4	1/4	1/4	1/4	
	83,317	1/4	68,242	1/4	53,626	1/4	39,151	1/4	24,186	1/4	9,111	1/4	1/4	1/4	1/4	
	83,003	3/4	67,928	3/4	53,324	3/4	38,849	3/4	23,871	3/4	8,797	3/4	3/4	3/4	3/4	
T	82,689	5	67,614	5	53,022	5	38,547	5	23,557	5	8,483	5	5	5	5	
-		-		lacksquare		-				$\vdash$						
+	82,375	1/4	67,300	1/4	52,719	1/4	38,245	1/4	23,243	1/4	8,169	1/4	1/4	1/4	1/4	
+	82,061	1/2	66,986	1/2	52,417	1/2	37,943	1/2	22,929	1/2	7,855	1/2	1/2	1/2	1/2	
+	81,747	3/4	66,672	3/4	52,115	3/4	37,641	3/4	22,615	3/4	7,541	3/4	3/4	3/4	3/4	
4	81,433	6	66,358	6	51,813	6	37,338	6	22,301	6	7,226	6	6	6	6	
	81,119	1/4	66,044	1/4	51,510	1/4	37,036	1/4	21,987	1/4	6,912	1/4	1/4	1/4	1/4	
	80,805	1/2	65,736	1/2	51,208	1/2	36,728	1/2	21,673	1/2	6,598	1/2	1/2	1/2	1/2	
1	80,491	3/4	65,427	3/4	50,906	3/4	36,420	3/4	21,359	3/4	6,284	3/4	3/4	3/4	3/4	
4	80,177	7	65,119	7	50,604	7	36,111	7	21,045	7	5,970	7	7	7	7	
	79,863	1/4	64,811	1/4	50,303	1/4	35,803	1/4	20,731	1/4	5,656	1/4	1/4	1/4	1/4	
	79,549	1/2	64,509	1/2	50,001	1/2	35,489	1/2	20,417	1/2	5,342	1/2	1/2	1/2	1/2	
	79,235	3/4	64,207	3/4	49,699	3/4	35,175	3/4	20,103	3/4	5,029	3/4	3/4	3/4	3/4	
_	78,921	8	63,904	8	49,398	8	34,861	8	19,789	8	4,715	8	8	8	8	
	78,606	1/4	63,602	1/4	49,096	1/4	34,547	1/4	19,475	1/4	4,401	1/4	1/4	1/4	1/4	
	78,292	1/2	63,300	1/2	48,795	1/2	34,233	1/2	19,161	1/2	4,088	1/2	1/2	1/2	1/2	
	77,978	3/4	62,997	3/4	48,493	3/4	33,919	3/4	18,847	3/4	3,775	3/4	3/4	3/4	3/4	
╧	77,664	9	62,695	9	48,192	9	33,605	9	18,533	9	3,462	9	9	9	9	
	77,350	1/4	62,393	1/4	47,890	1/4	33,291	1/4	18,218	1/4	3,149	1/4	1/4	1/4	1/4	
	77,036	1/2	62,090	1/2	47,589	1/2	32,977	1/2	17,904	1/2	2,855	1/2	1/2	1/2	1/2	
	76,722	3/4	61,788	3/4	47,288	3/4	32,663	3/4	17,590	3/4	2,562	3/4	3/4	3/4	3/4	
	76,408	10	61,486	10	46,986	10	32,349	10	17,276	10	2,268	10	10	10	10	
	76,094	1/4	61,184	1/4	46,685	1/4	32,035	1/4	16,962	1/4	1,974	1/4	1/4	1/4	1/4	
	75,780	1/2	60,881	1/2	46,384	1/2	31,721	1/2	16,648	1/2	1,739	1/2	1/2	1/2	1/2	
ı	75,466	3/4	60,579	3/4	46,082	3/4	31,407	3/4	16,334	3/4	1,503	3/4	3/4	3/4	3/4	
T	75,152	11	60,277	11	45,781	11	31,092	11	16,020	11	1,268	11	11	11	11	
	74,838	1/4	59,974	1/4	45,479	1/4	30,778	1/4	15,706	1/4	1,032	1/4	1/4	1/4	1/4	
2	74,524	1/2	59,672	1/2	45,178	1/2	30,464	1/2	15,392	1/2		1/2	1/2	1/2	1/2	
1	74,210	3/4	59,370	3/4	44,877	3/4	30,150	3/4	15,078	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 08/01/2013 CL CALCULATED: 08/01/2013 CL PRINTED: 08/01/2013 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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### 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 15'-11 1/2"** 

חו חטו	ITIES GIVEN IN WHO	DLE GALLO															GAUGE HE	iion i	
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	210,723	0	195,793	0	180,780	0	165,724	0	150,661	0	135,597	0	120,533	0	105,466
1/4		1/4		1/4	210,417	1/4	195,480	1/4	180,467	1/4	165,411	1/4	150,347	1/4	135,283	1/4	120,219	1/4	105,152
1/2		1/2		1/2	210,112	1/2	195,167	1/2	180,154	1/2	165,097	1/2	150,033	1/2	134,969	1/2	119,905	1/2	104,838
3/4		3/4		3/4	209,802	3/4	194,854	3/4	179,842	3/4	164,783	3/4	149,719	3/4	134,655	3/4	119,591	3/4	104,524
1		1		1	209,493	1	194,542	1	179,529	1	164,469	1	149,405	1	134,341	1	119,277	1	104,210
1/4		1/4		1/4	209,184	1/4	194,229	1/4	179,216	1/4	164,155	1/4	149,091	1/4	134,027	1/4	118,963	1/4	103,896
1/2		1/2		1/2	208,874	1/2	193,916	1/2	178,903	1/2	163,841	1/2	148,778	1/2	133,714	1/2	118,650	1/2	103,582
3/4		3/4		3/4	208,565	3/4	193,603	3/4	178,590	3/4	163,528	3/4	148,464	3/4	133,400	3/4	118,336	3/4	103,268
2		2		2	208,255	2	193,291	2	178,277	2	163,214	2	148,150	2	133,086	2	118,022	2	102,954
1/4		1/4		1/4	207,945	1/4	192,978	1/4	177,963	1/4	162,900	1/4	147,836	1/4	132,772	1/4	117,708	1/4	102,640
1/2		1/2		1/2	207,636	1/2	192,665	1/2	177,650	1/2	162,586	1/2	147,522	1/2	132,458	1/2	117,394	1/2	102,326
3/4		3/4		3/4	207,326	3/4	192,352	3/4	177,336	3/4	162,272	3/4	147,208	3/4	132,144	3/4	117,080	3/4	102,012
3		3		3	207,016	3	192,040	3	177,022	3	161,958	3	146,895	3	131,831	3	116,767	3	101,698
1/4		1/4		1/4	206,706	1/4	191,727	1/4	176,709	1/4	161,645	1/4	146,581	1/4	131,517	1/4	116,453	1/4	101,384
1/2		1/2		1/2	206,396	1/2	191,414	1/2	176,395	1/2	161,331	1/2	146,267	1/2	131,203	1/2	116,139	1/2	101,070
3/4		3/4		3/4	206,086	3/4	191,101	3/4	176,081	3/4	161,017	3/4	145,953	3/4	130,889	3/4	115,825	3/4	100,756
4		4		4	205,777	4	190,788	4	175,767	4	160,703	4	145,639	4	130,575	4	115,511	4	100,442
1/4		1/4		1/4	205,467	1/4	190,476	1/4	175,453	1/4	160,389	1/4	145,325	1/4	130,261	1/4	115,197	1/4	100,128
1/2		1/2		1/2	205,157	1/2	190,163	1/2	175,139	1/2	160,075	1/2	145,012	1/2	129,948	1/2	114,884	1/2	99,814
3/4		3/4		3/4	204,848	3/4	189,850	3/4	174,826	3/4	159,762	3/4	144,698	3/4	129,634	3/4	114,570	3/4	99,500
5		5		5	204,538	5	189,537	5	174,512	5	159,448	5	144,384	5	129,320	5	114,256	5	99,186
1/4		1/4		1/4	204,228	1/4	189,225	1/4	174,198	1/4	159,134	1/4	144,070	1/4	129,006	1/4	113,942	1/4	98,872
1/4		1/2		1/4	203,919	1/4	188,912	1/4	173,884	1/4	158,820	1/2	143,756	1/4	128,692	1/4	113,628	1/4	98,558
3/4		3/4		3/4	203,607	3/4	188,599	3/4	173,570	3/4	158,506	3/4	143,442	3/4	128,378	3/4	113,314	3/4	98,244
6		6		6	203,296	6	188,286	6	173,256	6	158,192	6	143,129	6	128,065	6	113,001	6	97,930
$\rightarrow$		1/4		1/4	203,290	1/4	187,974	1/4	173,230	1/4	157,879	1/4	142,815	1/4	127,751	1/4	112,687	1/4	97,616
1/4					202,963		187,661	_	172,943		157,565		142,501	1/4	127,731		112,373		97,302
1/2 3/4		1/2 3/4		1/2 3/4	202,874	1/2 3/4	187,348	1/2 3/4	172,315	1/2 3/4	157,251	1/2 3/4	142,301	3/4	127,437	1/2 3/4	112,059	1/2 3/4	96,988
7		7		7	202,301	7	187,035	7	172,001	7	156,937	7	141,873	7	126,809	7	111,745	7	96,674
$\overline{}$				-		-		-		-	· · · · · · · · · · · · · · · · · · ·	-		-		-		+	
1/4		1/4		1/4	201,735	1/4	186,722	1/4	171,687	1/4	156,623	1/4	141,559	1/4	126,495	1/4	111,431	1/4	96,360
1/2		1/2		1/2	201,423	1/2	186,410	1/2	171,373	1/2	156,309	1/2	141,246	1/2	126,182	1/2	111,118	1/2	96,046
3/4		3/4 <b>8</b>		3/4 <b>8</b>	201,110	3/4 <b>8</b>	186,097	3/4 <b>8</b>	171,060	3/4	155,996	3/4	140,932	3/4 <b>8</b>	125,868	3/4 <b>8</b>	110,804	3/4 <b>8</b>	95,732
				-	200,797	_	185,784	-	170,746	_	155,682		140,618	_	125,554	_	110,490	+	95,418
1/4		1/4	044.005	1/4	200,484	1/4	185,471	1/4	170,432	1/4	155,368	1/4	140,304	1/4	125,240	1/4	110,176	1/4	95,104
1/2		1/2	214,095	1/2	200,171	1/2	185,159	1/2	170,118	1/2	155,054	1/2	139,990	1/2	124,926	1/2	109,862	1/2	94,790
3/4		3/4	213,916	3/4	199,859	3/4	184,846	3/4	169,804	3/4	154,740	3/4	139,676	3/4	124,612	3/4	109,548	3/4	94,476
9		9	213,737	9	199,546	9	184,533	9	169,490	9	154,426	9	139,363	9	124,299	9	109,234	9	94,162
1/4		1/4	213,558	1/4	199,233	1/4	184,220	1/4	169,177	1/4	154,113	1/4	139,049	1/4	123,985	1/4	108,920	1/4	93,849
1/2		1/2	213,379	1/2	198,920	1/2	183,908	1/2	168,863	1/2	153,799	1/2	138,735	1/2	123,671	1/2	108,606	1/2	93,535
3/4		3/4	213,148	3/4	198,608	3/4	183,595	3/4	168,549	3/4	153,485	3/4	138,421	3/4	123,357	3/4	108,292	3/4	93,221
10		10	212,916	10	198,295	10	183,282	10	168,235	10	153,171	10	138,107	10	123,043	10	107,978	10	92,907
1/4		1/4	212,685	1/4	197,982	1/4	182,969	1/4	167,921	1/4	152,857	1/4	137,793	1/4	122,729	1/4	107,664	1/4	92,593
1/2		1/2	212,454	1/2	197,669	1/2	182,657	1/2	167,607	1/2	152,544	1/2	137,480	1/2	122,416	1/2	107,350	1/2	92,279
3/4		3/4	212,174	3/4	197,357	3/4	182,344	3/4	167,294	3/4	152,230	3/4	137,166	3/4	122,102	3/4	107,036	3/4	91,965
11		11	211,894	11	197,044	11	182,031	11	166,980	11	151,916	11	136,852	11	121,788	11	106,722	11	91,651
1/4		1/4	211,614	1/4	196,731	1/4	181,718	1/4	166,666	1/4	151,602	1/4	136,538	1/4	121,474	1/4	106,408	1/4	91,337
1/2		1/2	211,334	1/2	196,418	1/2	181,405	1/2	166,352	1/2	151,288	1/2	136,224	1/2	121,160	1/2	106,094	1/2	91,023
.,_			211,029		196,106		181,093		166,038		150,974		135,910		120,846		105,780		90,709

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

Leam



## 2 STBD **ULLAGE TABLE**

IN																	GAUGE HEIGHT	
	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. N	19 FT.
0	90,395	0	75,323	0	60,252	0	45,197	0	30,144	0	15,075	0		0		0	0	
1/4	90,081	1/4	75,009	1/4	59,938	1/4	44,884	1/4	29,830	1/4	14,761	1/4		1/4		1/4	1/4	
1/2	89,767	1/2	74,695	1/2	59,624	1/2	44,571	1/2	29,516	1/2	14,447	1/2		1/2		1/2	1/2	
3/4	89,453	3/4	74,381	3/4	59,310	3/4	44,258	3/4	29,203	3/4	14,133	3/4		3/4		3/4	3/4	
1	89,139	1	74,067	1	58,996	1	43,945	1	28,889	1	13,819	1		1		1	1	
1/4	88,825	1/4	73,753	1/4	58,682	1/4	43,632	1/4	28,575	1/4	13,505	1/4		1/4		1/4	1/4	
1/2	88,511	1/2	73,439	1/2	58,368	1/2	43,319	1/2	28,261	1/2	13,191	1/2		1/2		1/2	1/2	
3/4	88,197	3/4	73,125	3/4	58,054	3/4	43,005	3/4	27,947	3/4	12,877	3/4		3/4		3/4	3/4	
2	87,883	2	72,811	2	57,740	2	42,692	2	27,634	2	12,563	2		2		2	2	
1/4	87,569	1/4	72,497	1/4	57,426	1/4	42,379	1/4	27,320	1/4	12,249	1/4		1/4		1/4	1/4	
1/2	87,255	1/2	72,183	1/2	57,112	1/2	42,066	1/2	27,006	1/2	11,935	1/2		1/2		1/2	1/2	
3/4	86,941	3/4	71,869	3/4	56,798	3/4	41,753	3/4	26,692	3/4	11,621	3/4		3/4		3/4	3/4	
3	86,627	3	71,555	3	56,484	3	41,440	3	26,378	3	11,307	3		3		3	3	
1/4	86,313	1/4	71,241	1/4	56,170	1/4	41,127	1/4	26,064	1/4	10,993	1/4		1/4		1/4	1/4	
1/2	85,999	1/2	70,927	1/2	55,856	1/2	40,814	1/2	25,750	1/2	10,679	1/2		1/2		1/2	1/2	
3/4	85,685	3/4	70,613	3/4	55,542	3/4	40,501	3/4	25,436	3/4	10,365	3/4		3/4		3/4	3/4	
4	85,371	4	70,299	4	55,228	4	40,188	4	25,122	4	10,051	4		4		4	4	
1/4	85,057	1/4	69,985	1/4	54,914	1/4	39,875	1/4	24,808	1/4	9,737	1/4		1/4		1/4	1/4	
1/2	84,743	1/2	69,671	1/2	54,600	1/2	39,562	1/2	24,494	1/2	9,423	1/2		1/2		1/2	1/2	
3/4	84,429	3/4	69,357	3/4	54,286	3/4	39,248	3/4	24,180	3/4	9,109	3/4		3/4		3/4	3/4	
5	84,115	5	69,043	5	53,972	5	38,935	5	23,866	5	8,795	5		5		5	5	
1/4	83,801	1/4	68,729	1/4	53,658	1/4	38,621	1/4	23,553	1/4	8,481	1/4		1/4		1/4	1/4	
1/2	83,487	1/2	68,415	1/2	53,344	1/2	38,308	1/2	23,239	1/2	8,167	1/2		1/2		1/2	1/2	
3/4	83,173	3/4	68,101	3/4	53,030	3/4	37,994	3/4	22,925	3/4	7,853	3/4		3/4		3/4	3/4	
6	82,859	6	67,787	6	52,716	6	37,680	6	22,611	6	7,539	6		6		6	6	
1/4	82,545	1/4	67,473	1/4	52,402	1/4	37,366	1/4	22,297	1/4	7,225	1/4		1/4		1/4	1/4	
1/2	82,231	1/2	67,159	1/2	52,088	1/2	37,052	1/2	21,983	1/2	6,911	1/2		1/2		1/2	1/2	
3/4	81,917	3/4	66,845	3/4	51,774	3/4	36,738	3/4	21,669	3/4	6,597	3/4		3/4		3/4	3/4	
7	81,603	7	66,531	7	51,461	7	36,424	7	21,355	7	6,283	7		7		7	7	
1/4	81,289	1/4	66,217	1/4	51,147	1/4	36,110	1/4	21,041	1/4	5,969	1/4		1/4		1/4	1/4	
1/2	80,975	1/2	65,903	1/2	50,833	1/2	35,796	1/2	20,727	1/2	5,655	1/2		1/2		1/2	1/2	
3/4	80,661	3/4	65,589	3/4	50,520	3/4	35,482	3/4	20,413	3/4	5,342	3/4		3/4		3/4	3/4	
8	80,347	8	65,275	8	50,207	8	35,168	8	20,099	8	5,028	8		8		8	8	
1/4	80,033	1/4	64,961	1/4	49,893	1/4	34,854	1/4	19,785	1/4	4,714	1/4		1/4		1/4	1/4	
1/2	79,719	1/2	64,647	1/2	49,580	1/2	34,540	1/2	19,471	1/2	4,400	1/2		1/2		1/2	1/2	
3/4	79,405	3/4	64,333	3/4	49,267	3/4	34,226	3/4	19,157	3/4	4,087	3/4		3/4		3/4	3/4	
9	79,091	9	64,019	9	48,954	9	33,912	9	18,843	9	3,774	9		9		9	9	
1/4	78,777	1/4	63,705	1/4	48,641	1/4	33,598	1/4	18,529	1/4	3,461	1/4		1/4		1/4	1/4	
1/2	78,463	1/2	63,391	1/2	48,327	1/2	33,284	1/2	18,215	1/2	3,148	1/2		1/2		1/2	1/2	
3/4	78,149	3/4	63,077	3/4	48,014	3/4	32,970	3/4	17,901	3/4	2,855	3/4		3/4		3/4	3/4	
10	77,835	10	62,764	10	47,701	10	32,656	10	17,587	10	2,561	10		10		10	10	
1/4	77,521	1/4	62,450	1/4	47,388	1/4	32,342	1/4	17,273	1/4	2,268	1/4		1/4		1/4	1/4	
1/2	77,207	1/2	62,136	1/2	47,075	1/2	32,028	1/2	16,959	1/2	1,974	1/2		1/2		1/2	1/2	
3/4	76,893	3/4	61,822	3/4	46,762	3/4	31,714	3/4	16,645	3/4	1,739	3/4		3/4		3/4	3/4	
11	76,579	11	61,508	11	46,449	11	31,400	11	16,331	11	1,503	11		11		11	11	
1/4	76,265	1/4	61,194	1/4	46,136	1/4	31,086	1/4	16,017	1/4	1,268	1/4		1/4		1/4	1/4	
1/2	75,951	1/2	60,880	1/2	45,823	1/2	30,772	1/2	15,703	1/2	1,032	1/2		1/2		1/2	1/2	
	75,637	3/4	60,566	3/4	45,510	3/4	30,458	3/4	15,389	3/4	<del>-</del>	3/4		3/4		3/4	3/4	

STRAPPED: 08/01/2013 CL CALCULATED: 08/01/2013 CL PRINTED: 08/01/2013 CL

CANCELS AND SUPERCEDES **ALL PRIOR TO 08/2013** 

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 15'-11 1/2"** 

Part		ITIES GIVEN IN WHO											, ,				, ,	GAUGE HE		
Section   Sect	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.
12	0		0		0	189,580	0	179,260	0	168,933	0	158,576	0	148,168	0	134,046	0	119,088	0	104,125
No.   10	1/4		1/4		1/4	189,369	1/4	179,045	1/4	168,718	1/4	158,360	1/4	147,937	1/4	133,734	1/4	118,776	1/4	103,813
1	1/2		1/2		1/2	189,157	1/2	178,830	1/2	168,503	1/2	158,144	1/2	147,706	1/2	133,423	1/2	118,464	1/2	103,501
14	3/4		3/4		3/4	188,942	3/4	178,615	3/4	168,288	3/4	157,928	3/4	147,459	3/4	133,111	3/4	118,153	3/4	103,189
10	1		1		1	188,727	1	178,400	1	168,073	1	157,712	1	147,212	1	132,800	1	117,841	1	102,877
10	1/4		1/4		1/4	188.512	1/4	178,185	1/4	167.858	1/4	157.497	1/4	146,965	1/4	132,488	1/4	117.530	1/4	102.565
March   Marc									-									· · · · · · · · · · · · · · · · · · ·		
2							_								-					
14												•			_	•		•		•
15	1/4		1/4	-	1/4	,	1/4		-		1/4		1/4		1/4	•	1/4	•	1/4	•
18						· · · · · · · · · · · · · · · · · · ·			-				-		_			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
3															-					
						,			_									•		
102	_		-				_	· · · · · · · · · · · · · · · · · · ·	-				$oldsymbol{+}$	•	_		-	•	-	
34					_															
1					-										-					
162												•			_	•		•		
152	_		-		_		_	· · · · · · · · · · · · · · · · · · ·	-		-		$oldsymbol{+}$		-		-		-	
344         48         185,500         34         475,173         34         164,837         36         154,474         38         143,068         34         128,125         34         113,167         36         98,196           16         12         14         185,089         14         174,958         5         164,621         14         142,761         14         127,713         34         164,621         14         142,761         14         127,502         14         112,543         14         97,572           10         10         112         184,854         12         174,527         19         164,190         12         142,147         12         127,190         10         112,232         19         97,261           34         34         184,424         6         174,917         6         163,758         6         153,384         6         141,836         34         126,567         0         111,909         6         96,637           14         144         184,209         14         173,882         14         163,788         6         153,384         14         141,213         14         122,567         0         111,699         9 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									-											
5					-		_		-											
144																•		•		
12	5				_		_		-		-		-		-		-	· · · · · · · · · · · · · · · · · · ·	-	
14	1/4				1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
6         6         184,424         6         174,097         6         163,758         6         153,394         6         141,524         6         126,567         6         111,609         6         96,637           144         146         148         148         148,139,94         12         173,867         12         163,326         12         152,962         12         144,902         12         112,608         12         173,867         12         163,326         12         152,962         12         140,902         12         110,983         12         110,674         34         110,674         34         110,674         34         110,674         34         110,674         34         110,674         34         110,674         34         95,702         7         110,674         34         95,702         7         110,674         34         95,702         7         110,674         34         95,702         7         110,600         34         125,632         34         110,674         34         95,702         7         125,632         34         110,674         34         95,702         7         125,632         34         110,600         34         162,678         14 </td <td>1/2</td> <td></td> <td>1/2</td> <td></td> <td></td> <td></td> <td>1/2</td> <td></td> <td>1/2</td> <td></td> <td></td> <td></td> <td>1/2</td> <td></td> <td>1/2</td> <td></td> <td></td> <td></td> <td></td> <td></td>	1/2		1/2				1/2		1/2				1/2		1/2					
14         14         14         184,209         14         173,882         14         183,542         14         153,178         14         141,213         14         126,255         14         111,297         14         96,325           12         12         12         12         183,994         17         173,657         17         162,326         12         152,622         12         140,902         12         125,944         12         110,885         12         96,013           7         7         183,563         7         173,452         34         163,110         34         140,590         34         125,632         34         110,674         34         95,702           14         14         54         183,583         7         173,236         7         162,684         7         152,531         7         140,279         7         125,300         7         110,362         7         95,398           14         152         14         152,315         14         139,676         12         125,009         12         139,656         12         124,697         12         190,739         12         95,308         12         124,697         12 <td>3/4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3/4</td> <td></td> <td>3/4</td> <td></td> <td>3/4</td> <td>•</td> <td>3/4</td> <td></td> <td>_</td> <td></td> <td>3/4</td> <td></td> <td>3/4</td> <td></td>	3/4						3/4		3/4		3/4	•	3/4		_		3/4		3/4	
12	6		6		6	184,424	6	174,097	6	163,758	6	153,394	6	141,524	6	126,567	6	111,609	6	
3/4         8/4         183,779         3/4         173,452         3/4         163,110         3/4         152,747         3/4         140,590         3/4         125,632         3/4         110,674         3/4         95,702           7         7         7         183,563         7         173,236         7         162,894         7         152,531         7         140,279         7         125,300         7         110,362         7         95,399           1/2         1/2         1/2         183,133         1/2         172,806         1/2         162,462         1/2         152,099         1/2         139,656         1/2         124,697         1/2         109,739         1/2         94,766           3/4         3/4         182,918         3/4         172,376         8         162,246         3/4         151,883         3/4         139,344         3/4         109,739         1/2         94,766           3/4         1/4         1/4         182,488         1/4         172,376         8         162,246         3/4         151,481         1/4         133,032         8         124,774         8         109,147         3/4         109,417         3/4	1/4		1/4		1/4	184,209	1/4	173,882	1/4	163,542	1/4	153,178	1/4	141,213	1/4	126,255	1/4	111,297	1/4	96,325
7         7         183,563         7         173,236         7         162,894         7         152,531         7         140,779         7         125,320         7         110,362         7         95,390           1/4         1/4         183,348         1/4         173,021         1/4         162,678         1/4         152,315         1/4         139,967         1/4         125,009         1/4         110,050         1/4         95,078           3/4         1/2         183,133         1/2         172,806         1/2         162,642         1/2         152,099         1/2         139,656         1/2         124,697         1/2         109,739         1/2         94,766           3/4         3/4         182,918         3/4         172,591         3/4         162,246         3/4         151,883         3/4         124,486         3/4         109,427         3/4         94,766           8         8         182,703         8         172,516         8         162,031         8         151,667         8         139,322         8         124,074         8         109,115         8         94,143           1/2         191,908         1/2         182	1/2		1/2		1/2	183,994	1/2	173,667	1/2	163,326	1/2	152,962	1/2	140,902	1/2	125,944	1/2	110,985	1/2	96,013
1/4         1/4         1/4         1/4         1/3,348         1/4         173,021         1/4         162,678         1/4         152,315         1/4         139,967         1/4         125,009         1/4         110,050         1/4         95,078           1/2         1/2         1/2         183,133         1/2         172,806         1/2         162,662         1/2         152,099         1/2         139,656         1/2         109,739         1/2         94,766           8         8         182,703         8         172,376         8         162,031         8         151,667         8         139,032         8         124,074         8         109,115         8         94,143           1/4         1/4         1/4         182,488         1/4         172,161         1/4         161,815         1/4         151,451         1/4         138,721         1/4         123,762         1/4         108,804         1/4         93,831           1/2         191,908         1/2         182,273         1/2         161,815         1/4         151,451         1/4         138,721         1/4         123,762         1/4         108,492         1/2         93,519	3/4		3/4		3/4	183,779	3/4	173,452	3/4	163,110	3/4	152,747	3/4	140,590	3/4	125,632	3/4	110,674	3/4	95,702
1/2         1/2         1/2         183,133         1/2         172,806         1/2         162,462         1/2         152,099         1/2         139,656         1/2         124,697         1/2         109,739         1/2         94,766           3/4         3/4         182,918         3/4         172,591         3/4         162,246         3/4         151,883         3/4         139,344         3/4         124,386         3/4         109,427         3/4         94,454           1/4         1/4         182,488         1/4         172,376         8         162,031         8         151,667         8         139,032         8         124,074         8         109,115         8         94,454           1/2         191,908         1/2         182,273         1/2         171,945         1/2         161,599         1/2         151,235         1/2         138,409         1/2         123,451         1/2         108,492         1/2         93,519           3/4         191,784         3/4         182,057         3/4         171,730         3/4         161,859         1/2         151,235         1/2         138,409         1/2         123,451         1/2         108,492	7		7		7	183,563	7	173,236	7	162,894	7	152,531	7	140,279	7	125,320	7	110,362	7	95,390
1/2         1/2         1/2         183,133         1/2         172,806         1/2         162,462         1/2         152,099         1/2         139,656         1/2         124,697         1/2         109,739         1/2         94,766           3/4         3/4         182,918         3/4         172,591         3/4         162,246         3/4         151,883         3/4         139,344         3/4         124,386         3/4         109,427         3/4         94,454           1/4         1/4         182,488         1/4         172,376         8         162,031         8         151,667         8         139,032         8         124,074         8         109,115         8         94,454           1/2         191,908         1/2         182,273         1/2         171,945         1/2         161,599         1/2         151,235         1/2         138,409         1/2         123,451         1/2         108,492         1/2         93,519           3/4         191,784         3/4         182,057         3/4         171,730         3/4         161,859         1/2         151,235         1/2         138,409         1/2         123,451         1/2         108,492	1/4		1/4		1/4		1/4		1/4	162,678	1/4		1/4	139,967	1/4	125,009	1/4		1/4	95,078
3/4         3/4         182,918         3/4         172,591         3/4         162,246         3/4         151,883         3/4         139,344         3/4         124,386         3/4         109,427         3/4         94,454           8         8         8         182,703         8         172,376         8         162,031         8         151,667         8         139,032         8         124,074         8         109,115         8         94,143           1/4         1/4         191,908         1/2         182,273         1/2         172,161         1/4         161,815         1/4         151,451         1/4         138,721         1/4         123,762         1/4         108,804         1/2         93,831           3/4         191,908         1/2         182,273         1/2         177,915         1/2         161,599         1/2         151,235         1/2         138,409         1/2         123,451         1/2         108,402         1/2         93,519           3/4         191,761         9         161,677         9         150,803         9         137,786         9         122,827         9         107,869         9         92,895	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	109,739	1/2	
8         8         182,703         8         172,376         8         162,031         8         151,667         8         139,032         8         124,074         8         109,115         8         94,143           1/4         1/4         1/4         182,488         1/4         172,161         1/4         161,815         1/4         151,451         1/4         138,721         1/4         123,762         1/4         108,804         1/4         93,831           1/2         191,908         1/2         182,273         1/2         171,945         1/2         161,599         1/2         151,235         1/2         138,409         1/2         123,451         1/2         108,492         1/2         93,519           3/4         191,784         3/4         182,057         3/4         171,730         3/4         161,383         3/4         151,019         3/4         138,097         3/4         108,492         1/2         93,295           9         9 191,661         9 181,842         9 171,515         9 161,167         9 150,803         9 137,786         9 122,827         9 107,869         9 92,895           1/4         1/4         191,537         1/4         181,627															_					
1/4         1/4         182,488         1/4         172,161         1/4         161,815         1/4         151,451         1/4         138,721         1/4         123,762         1/4         108,804         1/4         93,831           1/2         191,908         1/2         182,273         1/2         171,945         1/2         161,599         1/2         151,235         1/2         138,409         1/2         123,451         1/2         108,492         1/2         93,519           3/4         191,784         3/4         182,057         3/4         171,730         3/4         161,383         3/4         151,019         3/4         138,409         1/2         123,451         1/2         108,492         1/2         93,519           3/4         191,661         9         181,842         9         171,515         9         161,167         9         150,803         9         137,786         9         122,827         9         107,657         1/4         181,627         1/4         171,300         1/4         160,951         1/4         150,588         1/4         137,474         1/4         122,516         1/4         107,557         1/4         92,584           1/2	_				_				-			•	_		_	•		•		
1/2         191,908         1/2         182,273         1/2         171,945         1/2         161,599         1/2         151,235         1/2         138,409         1/2         123,451         1/2         108,492         1/2         93,519           3/4         191,784         3/4         182,057         3/4         171,730         3/4         161,383         3/4         151,019         3/4         138,097         3/4         123,139         3/4         108,180         3/4         93,207           9         191,661         9         181,842         9         171,515         9         161,167         9         150,803         9         137,786         9         122,827         9         107,869         9         92,895           1/4         191,537         1/4         181,627         1/4         171,300         1/4         160,951         1/4         150,808         1/4         137,474         1/4         122,2204         1/2         191,7557         1/4         171,085         1/2         160,735         1/2         137,165         9         122,204         1/2         107,557         1/4         92,5272           3/4         191,254         3/4         181,197	_		-						-	•	-	•	-	•	$\vdash$	•	-	•	-	
3/4         191,784         3/4         182,057         3/4         171,730         3/4         161,383         3/4         151,019         3/4         138,097         3/4         123,139         3/4         108,180         3/4         93,207           9         191,661         9         181,842         9         171,515         9         161,167         9         150,803         9         137,786         9         122,827         9         107,869         9         92,895           1/4         1/4         191,537         1/4         181,627         1/4         171,300         1/4         160,951         1/4         150,588         1/4         137,774         1/4         122,516         1/4         107,557         1/4         92,584           1/2         191,414         1/2         181,412         1/2         171,085         1/2         160,735         1/2         150,372         1/2         137,162         1/2         122,204         1/2         107,245         1/2         92,272           3/4         191,994         10         180,982         10         170,655         10         160,303         10         149,940         10         136,539         10         1				191.908																
9														,						
1/4         1/4         191,537         1/4         181,627         1/4         171,300         1/4         160,951         1/4         150,588         1/4         137,474         1/4         122,516         1/4         107,557         1/4         92,584           1/2         1/2         191,414         1/2         181,412         1/2         171,085         1/2         160,735         1/2         150,372         1/2         137,162         1/2         122,204         1/2         107,245         1/2         92,272           3/4         191,094         19         180,982         10         170,655         10         160,303         10         149,940         10         136,539         10         121,581         10         106,621         10         91,648           1/4         190,935         1/4         180,766         1/4         170,439         1/4         160,087         1/4         149,724         1/4         136,228         1/4         121,581         10         106,309         1/4         91,336           1/2         190,775         1/2         180,551         1/2         170,224         1/2         159,871         1/2         149,508         1/2         135,916 <td>_</td> <td></td> <td>•</td> <td>-</td> <td></td> <td>_</td> <td>•</td> <td></td> <td>•</td> <td>-</td> <td></td>	_											•	-		_	•		•	-	
1/2         1/2         191,414         1/2         181,412         1/2         171,085         1/2         160,735         1/2         150,372         1/2         137,162         1/2         122,204         1/2         107,245         1/2         92,272           3/4         191,254         3/4         181,197         3/4         170,870         3/4         160,519         3/4         150,156         3/4         136,851         3/4         121,892         3/4         106,933         3/4         91,960           10         191,094         10         180,982         10         170,655         10         160,303         10         149,940         10         136,539         10         121,581         10         106,621         10         91,648           1/2         190,935         1/4         180,766         1/4         170,439         1/4         160,087         1/4         149,724         1/4         136,228         1/4         121,269         1/4         106,309         1/4         91,336           1/2         190,775         1/2         180,551         1/2         159,871         1/2         149,508         1/2         135,916         1/2         105,995         1/2 <td>-</td> <td></td> <td></td> <td>•</td> <td>_</td> <td></td> <td>_</td> <td></td> <td><math>oldsymbol{}</math></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td>	-			•	_		_		$oldsymbol{}$		-		-		-		-		-	
3/4         191,254         3/4         181,197         3/4         170,870         3/4         160,519         3/4         150,156         3/4         136,851         3/4         121,892         3/4         106,933         3/4         91,960           10         10         191,094         10         180,982         10         170,655         10         160,303         10         149,940         10         136,539         10         121,581         10         106,621         10         91,648           1/4         190,935         1/4         180,766         1/4         170,439         1/4         160,087         1/4         149,724         1/4         136,228         1/4         121,269         1/4         106,309         1/4         91,336           1/2         190,775         1/2         180,551         1/2         170,224         1/2         159,871         1/2         149,508         1/2         135,916         1/2         120,958         1/2         105,997         1/2         91,025           3/4         190,582         3/4         180,336         3/4         170,009         3/4         159,656         3/4         149,289         3/4         135,604         3/4													-		_					
10         191,094         10         180,982         10         170,655         10         160,303         10         149,940         10         136,539         10         121,581         10         106,621         10         91,648           1/4         1/4         190,935         1/4         180,766         1/4         170,439         1/4         160,087         1/4         149,724         1/4         136,228         1/4         121,269         1/4         106,309         1/4         91,336           1/2         190,775         1/2         180,551         1/2         170,224         1/2         159,871         1/2         149,508         1/2         135,916         1/2         120,958         1/2         105,997         1/2         91,025           3/4         190,582         3/4         180,336         3/4         170,009         3/4         159,656         3/4         149,289         3/4         135,604         3/4         120,646         3/4         105,685         3/4         90,713           11         190,389         11         180,121         11         169,794         11         159,440         11         149,069         11         135,293         11							_													
1/4         1/4         190,935         1/4         180,766         1/4         170,439         1/4         160,087         1/4         149,724         1/4         136,228         1/4         121,269         1/4         106,309         1/4         91,336           1/2         1/2         190,775         1/2         180,551         1/2         170,224         1/2         159,871         1/2         149,508         1/2         135,916         1/2         120,958         1/2         105,997         1/2         91,025           3/4         190,582         3/4         180,336         3/4         170,009         3/4         159,656         3/4         149,289         3/4         135,604         3/4         120,646         3/4         105,685         3/4         90,713           11         190,389         11         180,121         11         169,794         11         159,440         11         149,069         11         135,293         11         120,334         11         105,373         11         90,401           1/4         190,196         1/4         179,906         1/4         169,579         1/4         159,224         1/4         148,850         1/4         134,981 <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td>•</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td>					-				-		-	•	-		-		-		-	
1/2     1/2     199,775     1/2     180,551     1/2     170,224     1/2     159,871     1/2     149,508     1/2     135,916     1/2     120,958     1/2     105,997     1/2     91,025       3/4     190,582     3/4     180,336     3/4     170,009     3/4     159,656     3/4     149,289     3/4     135,604     3/4     120,646     3/4     105,685     3/4     90,713       11     11     190,389     11     180,121     11     169,794     11     159,440     11     149,069     11     135,293     11     120,334     11     105,373     11     90,401       1/4     190,196     1/4     179,906     1/4     169,579     1/4     159,224     1/4     148,850     1/4     134,981     1/4     120,023     1/4     105,061     1/4     90,089       1/2     190,003     1/2     179,691     1/2     169,364     1/2     159,008     1/2     148,630     1/2     134,669     1/2     119,711     1/2     104,749     1/2     89,777	_		_	· · · · · · · · · · · · · · · · · · ·			_		-				$oldsymbol{+}$		_		-		-	
3/4         190,582         3/4         180,336         3/4         170,009         3/4         159,656         3/4         149,289         3/4         135,604         3/4         120,646         3/4         105,685         3/4         90,713           11         11         190,389         11         180,121         11         169,794         11         159,440         11         149,069         11         135,293         11         120,334         11         105,373         11         90,401           1/4         190,196         1/4         179,906         1/4         169,579         1/4         159,224         1/4         148,850         1/4         134,981         1/4         120,023         1/4         105,061         1/4         90,089           1/2         190,003         1/2         179,691         1/2         169,364         1/2         159,008         1/2         148,630         1/2         134,669         1/2         119,711         1/2         104,749         1/2         89,777				· · · · · · · · · · · · · · · · · · ·						· ·					_	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		•
11         190,389         11         180,121         11         169,794         11         159,440         11         149,069         11         135,293         11         120,334         11         105,373         11         90,401           1/4         1/4         190,196         1/4         179,906         1/4         169,579         1/4         159,224         1/4         148,850         1/4         134,981         1/4         120,023         1/4         105,061         1/4         90,089           1/2         1/2         190,003         1/2         179,691         1/2         169,364         1/2         159,008         1/2         148,630         1/2         134,669         1/2         119,711         1/2         104,749         1/2         89,777																				
1/4 190,196 1/4 179,906 1/4 169,579 1/4 159,224 1/4 148,850 1/4 134,981 1/4 120,023 1/4 105,061 1/4 90,089 1/2 1/2 190,003 1/2 179,691 1/2 169,364 1/2 159,008 1/2 148,630 1/2 134,669 1/2 119,711 1/2 104,749 1/2 89,777						· · · · · · · · · · · · · · · · · · ·	_		-						_		_			
1/2 190,003 1/2 179,691 1/2 169,364 1/2 159,008 1/2 148,630 1/2 134,669 1/2 119,711 1/2 104,749 1/2 89,777	-		-	· · · · · · · · · · · · · · · · · · ·	_		_	,	$oldsymbol{}$		-		$oldsymbol{+}$		-	•	-	•	-	
	1/4												-							
3/4 3/4 189,792 3/4 179,476 3/4 169,149 3/4 158,792 3/4 148,399 3/4 134,358 3/4 119,399 3/4 104,437 3/4 89,466	1/2						_													•
34 105,152 34 115,476 34 105,145 34 105,152 34 105,055 34 105,055 34 105,055 34 105,055 34 105,055 34 105,055	3/4		3/4	189,792	3/4	179,476	3/4	169,149	3/4	158,792	3/4	148,399	3/4	134,358	3/4	119,399	3/4	104,437	3/4	89,466

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



# 3 PORT ULLAGE TABLE

GAUGE HEIGHT 15'-11 1/2"

CAPACI	ITIES GIVEN IN WHO	DLE GALL	ONS														GAUGE HE	GHT	15'-11 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	89,154	0	74,197	0	59,297	0	44,757	0	29,985	0	15,002	0		0		0		0	
1/4	88,842	1/4	73,887	1/4	58,988	1/4	44,453	1/4	29,673	1/4	14,690	1/4		1/4		1/4		1/4	
1/2	88,530	1/2	73,577	1/2	58,679	1/2	44,150	1/2	29,361	1/2	14,378	1/2		1/2		1/2		1/2	
3/4	88,218	3/4	73,267	3/4	58,374	3/4	43,845	3/4	29,049	3/4	14,066	3/4		3/4		3/4		3/4	
1	87,906	1	72,957	1	58,068	1	43,541	1	28,737	1	13,754	1		1		1		1	
1/4	87,594	1/4	72,647	1/4	57,763	1/4	43,236	1/4	28,425	1/4	13,441	1/4		1/4		1/4		1/4	
1/2	87,282	1/2	72,336	1/2	57,457	1/2	42,931	1/2	28,113	1/2	13,129	1/2		1/2		1/2		1/2	
3/4	86,970	3/4	72,026	3/4	57,153	3/4	42,626	3/4	27,801	3/4	12,817	3/4		3/4		3/4		3/4	
2	86,658	2	71,716	2	56,849	2	42,321	2	27,489	2	12,505	2		2		2		2	
1/4	86,346	1/4	71,406	1/4	56,546	1/4	42,016	1/4	27,177	1/4	12,193	1/4		1/4		1/4		1/4	
1/2	86,034	1/2	71,096	1/2	56,242	1/2	41,711	1/2	26,865	1/2	11,881	1/2		1/2		1/2		1/2	
3/4	85,722	3/4	70,786	3/4	55,939	3/4	41,407	3/4	26,553	3/4	11,568	3/4		3/4		3/4		3/4	
3	85,410	3	70,475	3	55,637	3	41,102	3	26,240	3	11,256	3		3		3		3	
1/4	85,098	1/4	70,165	1/4	55,335	1/4	40,797	1/4	25,928	1/4	10,943	1/4		1/4		1/4		1/4	
1/2	84,786	1/2	69,855	1/2	55,032	1/2	40,492	1/2	25,616	1/2	10,631	1/2		1/2		1/2		1/2	
3/4	84,473	3/4	69,545	3/4	54,730	3/4	40,187	3/4	25,304	3/4	10,318	3/4		3/4		3/4		3/4	·
4	84,161	4	69,235	4	54,428	4	39,882	4	24,992	4	10,006	4		4		4		4	
1/4	83,849	1/4	68,925	1/4	54,125	1/4	39,577	1/4	24,680	1/4	9,693	1/4		1/4		1/4		1/4	
1/2	83,537	1/2	68,615	1/2	53,823	1/2	39,273	1/2	24,368	1/2	9,380	1/2		1/2		1/2		1/2	
3/4	83,225	3/4	68,304	3/4	53,521	3/4	38,968	3/4	24,055	3/4	9,068	3/4		3/4		3/4		3/4	
5	82,913	5	67,994	5	53,218	5	38,663	5	23,743	5	8,755	5		5		5		5	
1/4	82,601	1/4	67,684	1/4	52,916	1/4	38,358	1/4	23,431	1/4	8,442	1/4		1/4		1/4		1/4	
1/2	82,289	1/2	67,374	1/2	52,614	1/2	38,053	1/2	23,119	1/2	8,130	1/2		1/2		1/2		1/2	
3/4	81,977	3/4	67,064	3/4	52,312	3/4	37,748	3/4	22,807	3/4	7,818	3/4		3/4		3/4		3/4	
6	81,664	6	66,754	6	52,009	6	37,443	6	22,494	6	7,505	6		6		6		6	
1/4	81,352	1/4	66,444	1/4	51,707	1/4	37,139	1/4	22,182	1/4	7,193	1/4		1/4		1/4		1/4	
1/2	81,040	1/2	66,133	1/2	51,405	1/2	36,834	1/2	21,870	1/2	6,880	1/2		1/2		1/2		1/2	
3/4	80,728	3/4	65,823	3/4	51,102	3/4	36,526	3/4	21,558	3/4	6,568	3/4		3/4		3/4		3/4	
7	80,416	7	65,513	7	50,800	7	36,218	7	21,246	7	6,256	7		7		7		7	
1/4	80,104	1/4	65,203	1/4	50,498	1/4	35,910	1/4	20,934	1/4	5,943	1/4		1/4		1/4		1/4	
1/2	79,792	1/2	64,893	1/2	50,195	1/2	35,602	1/2	20,621	1/2	5,631	1/2		1/2		1/2		1/2	
3/4	79,480	3/4	64,583	3/4	49,893	3/4	35,290	3/4	20,309	3/4	5,319	3/4		3/4		3/4		3/4	
8	79,168	8	64,273	8	49,591	8	34,978	8	19,997	8	5,006	8		8		8		8	
1/4	78,855	1/4	63,962	1/4	49,288	1/4	34,667	1/4	19,685	1/4	4,694	1/4		1/4		1/4		1/4	
1/2	78,543	1/2	63,652	1/2	48,986	1/2	34,355	1/2	19,373	1/2	4,382	1/2		1/2		1/2		1/2	
3/4	78,232	3/4	63,341	3/4	48,684	3/4	34,043	3/4	19,061	3/4	4,070	3/4		3/4		3/4		3/4	
9	77,921	9	63,030	9	48,381	9	33,731	9	18,748	9	3,758	9		9		9		9	
1/4	77,610	1/4	62,719	1/4	48,079	1/4	33,419	1/4	18,436	1/4	3,447	1/4		1/4		1/4		1/4	
1/2	77,299	1/2	62,408	1/2	47,777	1/2	33,106	1/2	18,124	1/2	3,135	1/2		1/2		1/2		1/2	
3/4	76,989	3/4	62,096	3/4	47,475	3/4	32,794	3/4	17,812	3/4	2,843	3/4		3/4		3/4		3/4	
10	76,678	10	61,785	10	47,173	10	32,482	10	17,500	10	2,550	10		10		10		10	
1/4	76,368	1/4	61,473	1/4	46,871	1/4	32,170	1/4	17,188	1/4	2,258	1/4		1/4		1/4		1/4	
1/2	76,058	1/2	61,161	1/2	46,569	1/2	31,858	1/2	16,875	1/2	1,966	1/2		1/2		1/2		1/2	-
3/4	75,748	3/4	60,849	3/4	46,268	3/4	31,546	3/4	16,563	3/4	1,731	3/4		3/4		3/4		3/4	
11	75,438	11	60,537	11	45,966	11	31,233	11	16,251	11	1,497	11		11		11		11	
1/4	75,128	1/4	60,226	1/4	45,665	1/4	30,921	1/4	15,939	1/4	1,262	1/4		1/4		1/4		1/4	-
1/2	74,818	1/2	59,914	1/2	45,363	1/2	30,609	1/2	15,627	1/2	1,028	1/2		1/2		1/2		1/2	-
3/4	74,507	3/4	59,605	3/4	45,060	3/4	30,297	3/4	15,314	3/4		3/4		3/4		3/4		3/4	
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STRAPPED: 08/01/2013 CL CALCULATED: 08/01/2013 CL PRINTED: 08/01/2013 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 15'-11 1/4"** 

CAPACI	TIES GIVEN IN WHOLE GAL	LONS															EIGHI	15'-11 1/4"
IN	<b>0 FT.</b>	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	190,408	0	180,085	0	169,757	0	159,398	0	148,975	0	134,743	0	119,751	0	104,755
1/4	1/4		1/4	190,197	1/4	179,869	1/4	169,542	1/4	159,183	1/4	148,744	1/4	134,431	1/4	119,439	1/4	104,442
1/2	1/2		1/2	189,982	1/2	179,654	1/2	169,327	1/2	158,967	1/2	148,497	1/2	134,118	1/2	119,126	1/2	104,129
3/4	3/4		3/4	189,767	3/4	179,439	3/4	169,112	3/4	158,751	3/4	148,249	3/4	133,806	3/4	118,814	3/4	103,816
1	1		1	189,552	1	179,224	1	168,896	1	158,535	1	148,002	1	133,494	1	118,502	1	103,504
1/4	1/4		1/4	189,337	1/4	179,009	1/4	168,681	1/4	158,319	1/4	147,755	1/4	133,181	1/4	118,189	1/4	103,191
1/2	1/2		1/2	189,122	1/2	178,794	1/2	168,466	1/2	158,103	1/2	147,492	1/2	132,869	1/2	117,877	1/2	102,878
3/4	3/4		3/4	188,907	3/4	178,578	3/4	168,250	3/4	157,887	3/4	147,229	3/4	132,557	3/4	117,565	3/4	102,565
2	2		2	188,691	2	178,363	2	168,035	2	157,671	2	146,965	2	132,244	2	117,252	2	102,253
1/4	1/4		1/4	188,476	1/4	178,148	1/4	167,819	1/4	157,455	1/4	146,702	1/4	131,932	1/4	116,940	1/4	101,940
1/2	1/2		1/2	188,261	1/2	177,933	1/2	167,603	1/2	157,239	1/2	146,423	1/2	131,620	1/2	116,628	1/2	101,627
3/4	3/4		3/4	188,046	3/4	177,718	3/4	167,387	3/4	157,023	3/4	146,144	3/4	131,307	3/4	116,315	3/4	101,314
3	3		3	187,830	3	177,503	3	167,171	3	156,807	3	145,865	3	130,995	3	116,003	3	101,002
	1/4		1/4	187,615	1/4	177,288	1/4	166,956	1/4	156,592	$oldsymbol{}$	145,586	1/4	130,533	1/4	115,691	1/4	100,689
1/4	1/4		1/4	187,400	1/4	177,266	1/4	166,740	1/4	156,376	1/4	145,386	1/4	130,003	1/4	115,378	1/4	100,889
3/4	3/4		3/4	187,185	3/4	177,072	3/4	166,740	3/4	156,376	1/2 3/4	145,290	3/4	130,370	3/4	115,066	3/4	100,376
4	3/4		4	186,970	4	176,642	4	166,308	4	155,944	4	144,700	4	129,746	4	114,754	3/4	99,751
_			-		-		-		-		$\overline{}$		-				$\overline{}$	
1/4	1/4		1/4	186,754	1/4	176,427	1/4	166,092	1/4	155,728	1/4	144,405	1/4	129,433	1/4	114,441	1/4	99,438
1/2	1/2		1/2	186,539	1/2	176,212	1/2	165,876	1/2	155,512	1/2	144,097	1/2	129,121	1/2	114,129	1/2	99,125
3/4	3/4		3/4	186,324	3/4	175,997	3/4	165,660	3/4	155,296	3/4	143,790	3/4	128,809	3/4	113,817	3/4	98,812
5	5		5	186,109	5	175,781	5	165,444	5	155,080	5	143,482	5	128,496	5	113,504	5	98,500
1/4	1/4		1/4	185,894	1/4	175,566	1/4	165,228	1/4	154,864	1/4	143,174	1/4	128,184	1/4	113,192	1/4	98,187
1/2	1/2		1/2	185,679	1/2	175,351	1/2	165,012	1/2	154,648	1/2	142,862	1/2	127,872	1/2	112,880	1/2	97,874
3/4	3/4		3/4	185,463	3/4	175,136	3/4	164,796	3/4	154,432	3/4	142,550	3/4	127,559	3/4	112,567	3/4	97,561
6	6		6	185,248	6	174,921	6	164,580	6	154,217	6	142,238	6	127,247	6	112,255	6	97,249
1/4	1/4		1/4	185,033	1/4	174,706	1/4	164,365	1/4	154,001	1/4	141,926	1/4	126,935	1/4	111,943	1/4	96,936
1/2	1/2		1/2	184,818	1/2	174,490	1/2	164,149	1/2	153,785	1/2	141,614	1/2	126,622	1/2	111,630	1/2	96,623
3/4	3/4		3/4	184,603	3/4	174,275	3/4	163,933	3/4	153,569	3/4	141,302	3/4	126,310	3/4	111,318	3/4	96,310
7	7		7	184,388	7	174,060	7	163,717	7	153,353	7	140,989	7	125,998	7	111,006	7	95,998
1/4	1/4		1/4	184,172	1/4	173,845	1/4	163,501	1/4	153,137	1/4	140,677	1/4	125,685	1/4	110,693	1/4	95,685
1/2	1/2		1/2	183,957	1/2	173,630	1/2	163,285	1/2	152,921	1/2	140,365	1/2	125,373	1/2	110,381	1/2	95,372
3/4	3/4		3/4	183,742	3/4	173,415	3/4	163,069	3/4	152,705	3/4	140,053	3/4	125,061	3/4	110,069	3/4	95,059
8	8		8	183,527	8	173,200	8	162,853	8	152,489	8	139,740	8	124,748	8	109,756	8	94,747
1/4	1/4	192,948	1/4	183,312	1/4	172,984	1/4	162,637	1/4	152,273	1/4	139,428	1/4	124,436	1/4	109,444	1/4	94,434
1/2	1/2	192,824	1/2	183,097	1/2	172,769	1/2	162,421	1/2	152,057	1/2	139,116	1/2	124,124	1/2	109,131	1/2	94,121
3/4	3/4	192,700	3/4	182,882	3/4	172,554	3/4	162,205	3/4	151,841	3/4	138,803	3/4	123,811	3/4	108,819	3/4	93,808
9	9	192,577	9	182,666	9	172,339	9	161,989	9	151,626	9	138,491	9	123,499	9	108,507	9	93,496
1/4	1/4	192,453	1/4	182,451	1/4	172,124	1/4	161,774	1/4	151,410	1/4	138,179	1/4	123,187	1/4	108,194	1/4	93,183
1/2	1/2	192,294	1/2	182,236	1/2	171,909	1/2	161,558	1/2	151,194	1/2	137,866	1/2	122,874	1/2	107,882	1/2	92,870
3/4	3/4	192,134	3/4	182,021	3/4	171,693	3/4	161,342	3/4	150,978	3/4	137,554	3/4	122,562	3/4	107,569	3/4	92,557
10	10	191,974	10	181,806	10	171,478	10	161,126	10	150,762	10	137,242	10	122,250	10	107,256	10	92,245
1/4	1/4	191,815	1/4	181,591	1/4	171,263	1/4	160,910	1/4	150,546	1/4	136,929	1/4	121,937	1/4	106,944	1/4	91,932
1/2	1/2	191,622	1/2	181,375	1/2	171,048	1/2	160,694	1/2	150,326	1/2	136,617	1/2	121,625	1/2	106,631	1/2	91,619
3/4	3/4	191,429	3/4	181,160	3/4	170,833	3/4	160,478	3/4	150,107	3/4	136,305	3/4	121,313	3/4	106,318	3/4	91,306
11	11	191,236	11	180,945	11	170,618	11	160,262	11	149,888	11	135,992	11	121,000	11	106,006	11	90,994
1/4	1/4	191,043	1/4	180,730	1/4	170,403	1/4	160,046	1/4	149,668	1/4	135,680	1/4	120,688	1/4	105,693	1/4	90,681
1/4	1/4	190,831	1/4	180,515	1/4	170,403	1/4	159,830	1/4	149,437	1/4	135,368	1/4	120,376	1/4	105,093	1/4	90,368
3/4	3/4	190,620	3/4	180,300	3/4	169,972	3/4	159,614	3/4	149,206	3/4	135,055	3/4	120,063	3/4	105,360	3/4	90,055
3/4	3/4	130,020	3/4	100,000	3/4	100,012	3/4	100,017	3/4	170,200	3/4	100,000	3/4					MED TANK ONLY.

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



# 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/4"

APACI	TIES GIVEN IN WHO	OLE GALLO	ONS												GAUGE HEIGHT	
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	<b>16 FT.</b> ℕ	<b>17 FT.</b> ℕ	<b>18 FT.</b> ℕ	19 FT.
0	89,743	0	74,731	0	59,719	0	44,710	0	29,713	0	14,702	0	0	0	0	
/4	89,430	1/4	74,418	1/4	59,406	1/4	44,397	1/4	29,401	1/4	14,389	1/4	1/4	1/4	1/4	
/2	89,117	1/2	74,105	1/2	59,093	1/2	44,085	1/2	29,088	1/2	14,076	1/2	1/2	1/2	1/2	
/4	88,804	3/4	73,793	3/4	58,781	3/4	43,773	3/4	28,775	3/4	13,764	3/4	3/4	3/4	3/4	
1	88,492	1	73,480	1	58,468	1	43,461	1	28,462	1	13,451	1	1	1	1	
/4	88,179	1/4	73,167	1/4	58,155	1/4	43,148	1/4	28,150	1/4	13,138	1/4	1/4	1/4	1/4	
/2	87,866	1/2	72,854	1/2	57,842	1/2	42,836	1/2	27,837	1/2	12,826	1/2	1/2	1/2	1/2	
/4	87,553	3/4	72,542	3/4	57,530	3/4	42,524	3/4	27,524	3/4	12,513	3/4	3/4	3/4	3/4	
2	87,241	2	72,229	2	57,217	2	42,212	2	27,211	2	12,200	2	2	2	2	
/4	86,928	1/4	71,916	1/4	56,904	1/4	41,899	1/4	26,899	1/4	11,887	1/4	1/4	1/4	1/4	
2	86,615	1/2	71,603	1/2	56,591	1/2	41,587	1/2	26,586	1/2	11,575	1/2	1/2	1/4	1/2	
4	86,302	3/4	71,003	3/4	56,279	3/4	41,275	3/4	26,273	3/4	11,262	3/4	3/4	3/4	3/4	
4	85,990	3/4	70,978	3/4	55,966	3/4	40,963	3/4	25,961	3/4	10,949	3/4	3/4	3/4	3/4	
-		-		-		-		-		+		$\overline{}$				
4	85,677	1/4	70,665	1/4	55,653	1/4	40,650	1/4	25,648	1/4	10,636	1/4	1/4	1/4	1/4	
2	85,364 85.051	1/2	70,352	1/2	55,341 55,028	1/2	40,338 40,026	1/2	25,335	1/2	10,324	1/2	1/2	1/2	1/2	
4	,	3/4	70,040	3/4		3/4		3/4	25,022	3/4	10,011	3/4	3/4	3/4	3/4	
4	84,739	4	69,727	4	54,715	4	39,714	4	24,710	4	9,698	4	4	4	4	
4	84,426	1/4	69,414	1/4	54,402	1/4	39,401	1/4	24,397	1/4	9,385	1/4	1/4	1/4	1/4	
2	84,113	1/2	69,101	1/2	54,090	1/2	39,089	1/2	24,084	1/2	9,073	1/2	1/2	1/2	1/2	
1	83,801	3/4	68,789	3/4	53,777	3/4	38,777	3/4	23,771	3/4	8,760	3/4	3/4	3/4	3/4	
_	83,488	5	68,476	5	53,464	5	38,465	5	23,459	5	8,447	5	5	5	5	ļ
	83,175	1/4	68,163	1/4	53,151	1/4	38,152	1/4	23,146	1/4	8,134	1/4	1/4	1/4	1/4	
2	82,862	1/2	67,850	1/2	52,839	1/2	37,840	1/2	22,833	1/2	7,822	1/2	1/2	1/2	1/2	
1	82,550	3/4	67,538	3/4	52,526	3/4	37,528	3/4	22,520	3/4	7,509	3/4	3/4	3/4	3/4	
	82,237	6	67,225	6	52,213	6	37,216	6	22,208	6	7,196	6	6	6	6	
1	81,924	1/4	66,912	1/4	51,900	1/4	36,903	1/4	21,895	1/4	6,884	1/4	1/4	1/4	1/4	
2	81,611	1/2	66,599	1/2	51,588	1/2	36,591	1/2	21,582	1/2	6,571	1/2	1/2	1/2	1/2	
4	81,299	3/4	66,287	3/4	51,275	3/4	36,279	3/4	21,269	3/4	6,258	3/4	3/4	3/4	3/4	
7	80,986	7	65,974	7	50,962	7	35,967	7	20,957	7	5,945	7	7	7	7	
4	80,673	1/4	65,661	1/4	50,649	1/4	35,654	1/4	20,644	1/4	5,633	1/4	1/4	1/4	1/4	
2	80,360	1/2	65,348	1/2	50,337	1/2	35,342	1/2	20,331	1/2	5,320	1/2	1/2	1/2	1/2	
1	80,048	3/4	65,036	3/4	50,024	3/4	35,029	3/4	20,019	3/4	5,008	3/4	3/4	3/4	3/4	
T	79,735	8	64,723	8	49,711	8	34,717	8	19,706	8	4,695	8	8	8	8	
1	79,422	1/4	64,410	1/4	49,398	1/4	34,404	1/4	19,393	1/4	4,383	1/4	1/4	1/4	1/4	
2	79,109	1/2	64,097	1/2	49,086	1/2	34,092	1/2	19,080	1/2	4,071	1/2	1/2	1/2	1/2	
1	78,797	3/4	63,785	3/4	48,773	3/4	33,779	3/4	18,768	3/4	3,759	3/4	3/4	3/4	3/4	
	78,484	9	63,472	9	48,460	9	33,466	9	18,455	9	3,447	9	9	9	9	1
1	78,171	1/4	63,159	1/4	48,147	1/4	33,153	1/4	18,142	1/4	3,136	1/4	1/4	1/4	1/4	
2	77,858	1/2	62,846	1/2	47,835	1/2	32,841	1/2	17,829	1/2	2,843	1/2	1/2	1/2	1/2	
	77,546	3/4	62,534	3/4	47,522	3/4	32,528	3/4	17,517	3/4	2,551	3/4	3/4	3/4	3/4	
1	77,233	10	62,221	10	47,209	10	32,215	10	17,204	10	2,258	10	10	10	10	
_	76,920	1/4	61,908	1/4	46,897	1/4	31,903	1/4	16,891	1/4	1,966	1/4	1/4	1/4	1/4	
	76,607		61,595	1/4	46,584	1/4	31,590		16,578	1/4	1,732	1/4		1/4	1/4	
1	76,295	1/2 3/4	61,283	3/4	46,272	3/4	31,277	1/2 3/4	16,266	3/4	1,732	3/4	1/2	3/4	1/2	
_		3/4		3/4		_		3/4		3/4		3/4	3/4	3/4	3/4	
1	75,982	-	60,970	-	45,959	11	30,964	_	15,953	-	1,262	_			ļ — — — — — — — — — — — — — — — — — — —	
4	75,669	1/4	60,657	1/4	45,647	1/4	30,652	1/4	15,640	1/4	1,028	1/4	1/4	1/4	1/4	
2	75,356	1/2	60,344	1/2	45,335	1/2	30,339	1/2	15,327	1/2		1/2	1/2	1/2	1/2	
1	75,044	3/4	60,032	3/4	45,022	3/4	30,026	3/4	15,015	3/4		3/4	3/4	3/4	3/4	

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## FUEL TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 4'-06"** 

CAPAC	CITIES GIVEN IN WHO	DLE GALL	ONS														GAUGE H	EIGH	IT 4'-06"
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	480	0	340	0	177	0	37	0		0		0		0		0	
1/4		1/4	477	1/4	337	1/4	174	1/4	35	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	475	1/2	333	1/2	170	1/2	33	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	473	3/4	330	3/4	167	3/4	31	3/4		3/4		3/4		3/4		3/4	
1		1	470	1	327	1	164	1	29	1		1		1		1		1	
1/4		1/4	468	1/4	323	1/4	161	1/4	27	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	465	1/2	320	1/2	157	1/2	25	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	463	3/4	316	3/4	154	3/4	23	3/4		3/4		3/4		3/4		3/4	
2		2	460	2	313	2	151	2	21	2		2		2		2		2	
1/4		1/4	458	1/4	310	1/4	148	1/4	19	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	455	1/2	306	1/2	144	1/2	17	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	453	3/4	303	3/4	141	3/4	15	3/4		3/4		3/4		3/4		3/4	
3		3	450	3	300	3	138	3	13	3		3		3		3		3	
1/4		1/4	447	1/4	296	1/4	135	1/4	12	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	444	1/2	293	1/2	132	1/2	10	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	442	3/4	289	3/4	129	3/4	9	3/4		3/4		3/4		3/4		3/4	
4		4	439	4	286	4	125	4	7	4		4		4		4		4	
1/4		1/4	436	1/4	282	1/4	122	1/4	6	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	433	1/2	279	1/2	119	1/2	5	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	430	3/4	276	3/4	116	3/4	4	3/4		3/4		3/4		3/4		3/4	
5		5	428	5	272	5	113	5	3	5		5		5		5		5	-
1/4		1/4	425	1/4	269	1/4	110	1/4	2	1/4		1/4		1/4		1/4		1/4	-
1/2		1/2	422	1/2	265	1/2	107	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	419	3/4	262	3/4	104	3/4	1	3/4		3/4		3/4		3/4		3/4	-
6	517	6	416	6	259	6	101	6	0	6		6		6		6		6	
1/4	516	1/4	413	1/4	255	1/4	98	1/4	Ť	1/4		1/4		1/4		1/4		1/4	
1/2	516	1/2	410	1/2	252	1/2	95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	515	3/4	407	3/4	248	3/4	92	3/4		3/4		3/4		3/4		3/4		3/4	
7	514	7	404	7	245	7	89	7		7		7		7		7		7	
1/4	513	1/4	401	1/4	241	1/4	87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	512	1/2	398	1/2	238	1/4	84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	511	3/4	395	3/4	235	3/4	81	3/4		3/4		3/4		3/4		3/4		3/4	
8	510	8	392	8	231	8	78	8		8		8		8		8		8	
1/4	508	1/4	388	1/4	228	1/4	75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	507	1/2	385	1/2	224	1/4	73	1/2		1/2		1/2		1/2		1/4		1/2	
3/4	505	3/4	382	3/4	221	3/4	70	3/4		3/4		3/4		3/4		3/4		3/4	
9	504	9	379	9	217	9	67	9		9		9		9	ſ	9	Ī	9	
1/4	502	1/4	376	1/4	214	1/4	64	1/4		1/4		1/4		1/4		1/4		1/4	
1/4	500	1/2	373	1/4	211	1/4	62	1/4		1/4		1/4		1/4		1/4		1/4	
3/4	498	3/4	369	3/4	207	3/4	59	3/4		3/4		3/4		3/4		3/4		3/4	
10	496	10	366	10	204	10	57	10		10		10		10	r	10		10	
1/4	494	1/4	363	1/4	201	1/4	54	1/4		1/4		1/4		1/4		1/4		1/4	
	492	1/4	360	1/4	197	1/4	52	1/4		1/4		1/4				1/4		1/4	
1/2 3/4	492	3/4	356	3/4	194	3/4	49	3/4		3/4		3/4		1/2 3/4		3/4		3/4	
11	488	11	353	3/4 11	194	11	49	11		3/4		3/4		11		3/4		11	
_	486	-	350	-		-		$\overline{}$			-	-						-	
1/4		1/4	347	1/4	187	1/4	44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	484 482	1/2	347	1/2	184 180	1/2	42 40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	343	3/4	100	3/4	40	3/4		3/4		3/4		3/4		3/4	ADT FOR THE ADOL	3/4	

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 OF 2" DIAMETER PIPE.

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CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2092

> Pearland, Texas 77588 http://www.pmacorp.net

The James



## PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 1/4"

	TIES GIVEN IN WHO																GAUGE HEIGH	
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. №	9 FT.
0		0		0	4,822	0	3,666	0	2,508	0	1,351	0	193	0		0	0	
1/4		1/4		1/4	4,799	1/4	3,642	1/4	2,484	1/4	1,327	1/4	169	1/4		1/4	1/4	
1/2		1/2		1/2	4,775	1/2	3,618	1/2	2,460	1/2	1,303	1/2	145	1/2		1/2	1/2	
3/4		3/4		3/4	4,751	3/4	3,593	3/4	2,436	3/4	1,279	3/4	121	3/4		3/4	3/4	
1		1		1	4,727	1	3,569	1	2,412	1	1,254	1	97	1		1	1	
1/4		1/4		1/4	4,703	1/4	3,545	1/4	2,388	1/4	1,230	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,679	1/2	3,521	1/2	2,364	1/2	1,206	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,655	3/4	3,497	3/4	2,340	3/4	1,182	3/4		3/4		3/4	3/4	
2		2		2	4,631	2	3,473	2	2,316	2	1,158	2		2		2	2	
1/4		1/4		1/4	4,607	1/4	3,449	1/4	2,292	1/4	1,134	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,583	1/2	3,425	1/2	2,268	1/2	1,110	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,559	3/4	3,400	3/4	2,244	3/4	1,086	3/4		3/4		3/4	3/4	
3		3		3	4,534	3	3,376	3	2,219	3	1,062	3		3		3	3	
1/4		1/4		1/4	4,510	1/4	3,352	1/4	2,195	1/4	1.038	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,486	1/2	3,328	1/2	2,171	1/2	1,013	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,462	3/4	3,304	3/4	2,147	3/4	989	3/4		3/4		3/4	3/4	
4		4		4	4,438	4	3,280	4	2,123	4	965	4		4	ſ	4	4	
1/4		1/4		1/4	4,414	1/4	3,256	1/4	2,099	1/4	941	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,390	1/2	3,232	1/2	2,075	1/2	917	1/4		1/2		1/2	1/2	
3/4		3/4		3/4	4,366	3/4	3,207	3/4	2,051	3/4	893	3/4		3/4		3/4	3/4	
5		5		5	4,341	5	3,183	5	2,026	5	869	5		5		5	5	
_		-		_	4,341	-	3,159	-	2,002	-	844	$\rightarrow$		+			-	
/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	1/4	
/2		1/2		1/2	4,293 4,269	1/2	3,135	1/2	1,978	1/2	820 796	1/2		1/2		1/2	1/2	
3/4		3/4 <b>6</b>		3/4 <b>6</b>		3/4	3,111	3/4	1,954	3/4		3/4		3/4 <b>6</b>		3/4 <b>6</b>	3/4	
6		$oldsymbol{}$		_	4,245	6	3,087	6	1,930	6	772	6		-			6	
1/4		1/4		1/4	4,221	1/4	3,063	1/4	1,906	1/4	748	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,197	1/2	3,039	1/2	1,882	1/2	724	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,173	3/4	3,014	3/4	1,858	3/4	700	3/4		3/4		3/4	3/4	
7		7		7	4,148	7	2,990	7	1,833	7	676	7		7		7	7	
1/4		1/4		1/4	4,124	1/4	2,966	1/4	1,809	1/4	651	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,100	1/2	2,942	1/2	1,785	1/2	627	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,076	3/4	2,918	3/4	1,761	3/4	603	3/4		3/4		3/4	3/4	
8		8	5,154	8	4,052	8	2,894	8	1,737	8	579	8		8		8	8	
/4		1/4	5,142	1/4	4,028	1/4	2,870	1/4	1,713	1/4	555	1/4		1/4		1/4	1/4	
/2		1/2	5,130	1/2	4,004	1/2	2,845	1/2	1,689	1/2	531	1/2		1/2		1/2	1/2	
3/4		3/4	5,119	3/4	3,979	3/4	2,821	3/4	1,665	3/4	507	3/4		3/4		3/4	3/4	
9		9	5,107	9	3,955	9	2,797	9	1,640	9	483	9		9		9	9	
1/4		1/4	5,083	1/4	3,931	1/4	2,773	1/4	1,616	1/4	458	1/4		1/4		1/4	1/4	
1/2		1/2	5,060	1/2	3,907	1/2	2,749	1/2	1,592	1/2	434	1/2		1/2		1/2	1/2	
3/4		3/4	5,036	3/4	3,883	3/4	2,725	3/4	1,568	3/4	410	3/4		3/4		3/4	3/4	
10		10	5,012	10	3,859	10	2,701	10	1,544	10	386	10		10		10	10	
1/4		1/4	4,989	1/4	3,835	1/4	2,677	1/4	1,520	1/4	362	1/4		1/4		1/4	1/4	
1/2		1/2	4,965	1/2	3,811	1/2	2,653	1/2	1,496	1/2	338	1/2		1/2		1/2	1/2	
3/4		3/4	4,941	3/4	3,786	3/4	2,628	3/4	1,472	3/4	314	3/4		3/4		3/4	3/4	
11		11	4,918	11	3,762	11	2,604	11	1,447	11	290	11		11	Ī	11	11	
1/4		1/4	4,894	1/4	3,738	1/4	2,580	1/4	1,423	1/4	265	1/4		1/4		1/4	1/4	
1/2		1/2	4,870	1/2	3,714	1/2	2,556	1/2	1,399	1/2	241	1/2		1/2		1/2	1/2	
3/4		3/4	4,846	3/4	3,690	3/4	2,532	3/4	1,375	3/4	217	3/4		3/4		3/4	3/4	

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 THREADS ON "MMC" VALVE.

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## STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-00 3/4"

CAPAC	TIES GIVEN IN WHOLE O	GALLON	IS														GAUGE HEI	GHI	6'-00 3/4"
IN	<b>0 FT.</b>	N	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	4,799	0	3,642	0	2,484	0	1,327	0	169	0		0		0	
1/4	1/-	4		1/4	4,775	1/4	3,618	1/4	2,460	1/4	1,303	1/4	145	1/4		1/4		1/4	
1/2	1/2	2		1/2	4,751	1/2	3,593	1/2	2,436	1/2	1,279	1/2	121	1/2		1/2		1/2	
3/4	3/4	4		3/4	4,727	3/4	3,569	3/4	2,412	3/4	1,254	3/4	97	3/4		3/4		3/4	
1	1			1	4,703	1	3,545	1	2,388	1	1,230	1		1		1		1	
1/4	1/-	4		1/4	4,679	1/4	3,521	1/4	2,364	1/4	1,206	1/4		1/4		1/4		1/4	
1/2	1/3	2		1/2	4,655	1/2	3,497	1/2	2,340	1/2	1,182	1/2		1/2		1/2		1/2	
3/4	3/4			3/4	4,631	3/4	3,473	3/4	2,316	3/4	1,158	3/4		3/4		3/4		3/4	
2	2	2		2	4,607	2	3,449	2	2,292	2	1,134	2		2		2		2	
1/4	1/-	4		1/4	4,583	1/4	3,425	1/4	2,268	1/4	1,110	1/4		1/4		1/4		1/4	
1/2	1/3			1/2	4,559	1/2	3,400	1/2	2,244	1/2	1,086	1/2		1/2		1/2		1/2	
3/4	3/4			3/4	4,534	3/4	3,376	3/4	2,219	3/4	1,062	3/4		3/4		3/4		3/4	
3	3			3	4,510	3	3,352	3	2,195	3	1,038	3		3		3		3	
1/4	1/-	4		1/4	4,486	1/4	3,328	1/4	2,171	1/4	1,013	1/4		1/4		1/4		1/4	
1/2	1/3			1/2	4,462	1/2	3,304	1/2	2,147	1/2	989	1/2		1/2		1/2		1/2	
3/4	3/4	_		3/4	4,438	3/4	3,280	3/4	2,123	3/4	965	3/4		3/4		3/4		3/4	
4	4	_		4	4,414	4	3,256	4	2,099	4	941	4		4		4		4	
1/4	1/-	_		1/4	4,390	1/4	3,232	1/4	2,075	1/4	917	1/4		1/4		1/4	_	1/4	
1/2	1/3	_		1/2	4,366	1/2	3,207	1/2	2,051	1/2	893	1/2		1/2		1/2		1/2	
3/4	3/4	_		3/4	4,341	3/4	3,183	3/4	2.026	3/4	869	3/4		3/4		3/4		3/4	
5	5			5	4,317	5	3,159	5	2,002	5	844	5		5		5		5	
1/4	1/4	_		1/4	4,293	1/4	3,135	1/4	1,978	1/4	820	1/4		1/4		1/4		1/4	
1/2	1/3	_		1/2	4,269	1/2	3,111	1/2	1,954	1/2	796	1/2		1/2		1/2		1/2	
3/4	3/4			3/4	4,245	3/4	3,087	3/4	1,930	3/4	772	3/4		3/4		3/4		3/4	
6	6	_		6	4,221	6	3,063	6	1,906	6	748	6		6		6		6	
1/4	1/4	_		1/4	4,197	1/4	3,039	1/4	1,882	1/4	724	1/4		1/4		1/4		1/4	
1/2	1/2	_		1/4	4,173	1/4	3,014	1/4	1,858	1/4	700	1/4		1/4		1/4		1/4	
3/4	3/4			3/4	4,148	3/4	2,990	3/4	1,833	3/4	676	3/4		3/4		3/4		3/4	
7	7	_		7	4,124	7	2,966	3/4 <b>7</b>	1,809	7	651	7		3/4 <b>7</b>		3/4 <b>7</b>		7	
$\rightarrow$		_		_	4,100	-	2,942		1,785	1/4	627	-	_					_	
1/4	1/4	_		1/4	4,076	1/4	2,942	1/4	1,765		603	1/4		1/4		1/4		1/4	
1/2	1/2	_	5,154	1/2 3/4	4,076	1/2 3/4	2,916	3/4	1,737	1/2	579	1/2 3/4		1/2		1/2 3/4		1/2 3/4	
3/4 <b>8</b>	3/-	_	5,134	8		3/4 <b>8</b>		3/4		3/4 <b>8</b>	555	3/4 <b>8</b>		3/4 <b>8</b>		3/4 <b>8</b>		3/4 <b>8</b>	
_		_			4,028		2,870	-	1,713	-						_			
1/4	1/4	_	5,130	1/4	4,004	1/4	2,845	1/4	1,689	1/4	531	1/4		1/4		1/4		1/4	
1/2	1/2	_	5,119	1/2	3,979 3,955	1/2	2,821 2,797	1/2	1,665	1/2	507 483	1/2		1/2		1/2		1/2	
3/4	3/-	_	5,107	3/4		3/4		3/4	1,640	3/4		3/4		3/4		3/4		3/4	
9	9	_	5,083	9	3,931	9	2,773	9	1,616	9	458	9		9		9		9	
1/4	1/-	_	5,060	1/4	3,907	1/4	2,749	1/4	1,592	1/4	434	1/4		1/4		1/4		1/4	
1/2	1/2		5,036	1/2	3,883	1/2	2,725	1/2	1,568	1/2	410	1/2		1/2		1/2		1/2	
3/4	3/-	_	5,012	3/4	3,859	3/4	2,701	3/4	1,544	3/4	386	3/4	-	3/4		3/4		3/4	
10	10	_	4,989	10	3,835	10	2,677	10	1,520	10	362	10		10		10		10	
1/4	1/-	_	4,965	1/4	3,811	1/4	2,653	1/4	1,496	1/4	338	1/4		1/4		1/4		1/4	
1/2	1/3		4,941	1/2	3,786	1/2	2,628	1/2	1,472	1/2	314	1/2		1/2		1/2		1/2	
3/4	3/4	_	4,918	3/4	3,762	3/4	2,604	3/4	1,447	3/4	290	3/4		3/4		3/4		3/4	
11	11	1	4,894	11	3,738	11	2,580	11	1,423	11	265	11		11	ļ	11		11	
1/4	1/-	4	4,870	1/4	3,714	1/4	2,556	1/4	1,399	1/4	241	1/4		1/4		1/4		1/4	
1/2	1/2		4,846	1/2	3,690	1/2	2,532	1/2	1,375	1/2	217	1/2		1/2		1/2		1/2	
3/4	3/4	4	4,822	3/4	3,666	3/4	2,508	3/4	1,351	3/4	193	3/4		3/4	OFRIEIR	3/4	ADT FOR THE ADOL	3/4	MED TANK ON

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 THREADS ON "MMC" VALVE.

STRAPPED: 08/01/2013 CL CALCULATED: 08/01/2013 CL PRINTED: 08/01/2013 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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