

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00" AFT DRAFT = 4'-00"

DIFF. = 2'-00'' (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8" FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 284'-09"

January 30, 2012

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

http://www.pmacorp.net

The frame



1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

JAPAC	ITIES GIVEN IN WHOLE GA															GAUGE	HEIGH	
IN	0 FT.	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	201,562	0	187,217	0	172,805	0	158,355	0	143,899	0	129,443	0	114,988	0	100,530
1/4	1/4		1/4	201,266	1/4	186,916	1/4	172,504	1/4	158,053	1/4	143,598	1/4	129,142	1/4	114,687	1/4	100,228
1/2	1/2		1/2	200,969	1/2	186,616	1/2	172,204	1/2	157,752	1/2	143,297	1/2	128,841	1/2	114,385	1/2	99,927
3/4	3/4		3/4	200,672	3/4	186,316	3/4	171,904	3/4	157,451	3/4	142,995	3/4	128,540	3/4	114,084	3/4	99,626
1	1		1	200,375	1	186,016	1	171,604	1	157,150	1	142,694	1	128,239	1	113,783	1	99,324
1/4	1/4		1/4	200,077	1/4	185,715	1/4	171,303	1/4	156,849	1/4	142,393	1/4	127,937	1/4	113,482	1/4	99,023
1/2	1/2		1/2	199,780	1/2	185,415	1/2	171,002	1/2	156,548	1/2	142,092	1/2	127,636	1/2	113,181	1/2	98,722
3/4	3/4		3/4	199,483	3/4	185,115	3/4	170,702	3/4	156,246	3/4	141,791	3/4	127,335	3/4	112,880	3/4	98,421
2	2		2	199,186	2	184,815	2	170,401	2	155,945	2	141,490	2	127,034	2	112,578	2	98,119
1/4	1/4		1/4	198,888	1/4	184,514	1/4	170,100	1/4	155,644	1/4	141,188	1/4	126,733	1/4	112,277	1/4	97,818
1/2	1/2		1/2	198,591	1/2	184,214	1/2	169,799	1/2	155,343	1/2	140,887	1/2	126,432	1/2	111,976	1/2	97,517
3/4	3/4		3/4	198,293	3/4	183,914	3/4	169,497	3/4	155,042	3/4	140,586	3/4	126,131	3/4	111,675	3/4	97,215
3	3		3	197,996	3	183,614	3	169,196	3	154,741	3	140,285	3	125,829	3	111,374	3	96,914
1/4	1/4	_	1/4	197,699	1/4	183,313	1/4	168,895	1/4	154,439	1/4	139,984	1/4	125,528	1/4	111,073	1/4	96,613
	1/4		1/4	197,401	1/4	183,013	1/4	168,594	1/4	154,439		139,683	1/4	125,326	1/4	110,771	1/4	96,311
1/2 3/4	3/4		3/4	197,104	3/4	182,713	3/4	168,293	3/4	153,837	1/2 3/4	139,382	3/4	123,227	3/4	110,771	3/4	96,010
3/4 4	3/4	I	3/4	<u> </u>	3/4 4		3/4 4		3/4 4	153,536	3/4 4		3/4 4		3/4 4	•	4	95,709
_		_		196,807	-	182,413	-	167,992	-		-	139,080	-	124,625	-	110,169	-	
1/4	1/4		1/4	196,509	1/4	182,112	1/4	167,690	1/4	153,235	1/4	138,779	1/4	124,324	1/4	109,868	1/4	95,408
1/2	1/2		1/2	196,212	1/2	181,812	1/2	167,389	1/2	152,934	1/2	138,478	1/2	124,022	1/2	109,567	1/2	95,106
3/4	3/4		3/4	195,915	3/4	181,512	3/4	167,088	3/4	152,633	3/4	138,177	3/4	123,721	3/4	109,266	3/4	94,805
5	5	<u> </u>	5	195,617	5	181,212	5	166,787	5	152,331	5	137,876	5	123,420	5	108,964	5	94,504
1/4	1/4		1/4	195,319	1/4	180,911	1/4	166,486	1/4	152,030	1/4	137,575	1/4	123,119	1/4	108,663	1/4	94,202
1/2	1/2		1/2	195,020	1/2	180,611	1/2	166,185	1/2	151,729	1/2	137,273	1/2	122,818	1/2	108,362	1/2	93,901
3/4	3/4		3/4	194,721	3/4	180,311	3/4	165,884	3/4	151,428	3/4	136,972	3/4	122,517	3/4	108,061	3/4	93,600
6	6		6	194,422	6	180,011	6	165,582	6	151,127	6	136,671	6	122,215	6	107,760	6	93,299
1/4	1/4		1/4	194,122	1/4	179,710	1/4	165,281	1/4	150,826	1/4	136,370	1/4	121,914	1/4	107,459	1/4	92,997
1/2	1/2		1/2	193,822	1/2	179,410	1/2	164,980	1/2	150,524	1/2	136,069	1/2	121,613	1/2	107,158	1/2	92,696
3/4	3/4		3/4	193,522	3/4	179,110	3/4	164,679	3/4	150,223	3/4	135,768	3/4	121,312	3/4	106,856	3/4	92,395
7	7		7	193,221	7	178,810	7	164,378	7	149,922	7	135,466	7	121,011	7	106,555	7	92,093
1/4	1/4		1/4	192,921	1/4	178,509	1/4	164,077	1/4	149,621	1/4	135,165	1/4	120,710	1/4	106,254	1/4	91,792
1/2	1/2		1/2	192,621	1/2	178,209	1/2	163,775	1/2	149,320	1/2	134,864	1/2	120,409	1/2	105,953	1/2	91,491
3/4	3/4		3/4	192,321	3/4	177,909	3/4	163,474	3/4	149,019	3/4	134,563	3/4	120,107	3/4	105,652	3/4	91,189
8	8	205,380	8	192,020	8	177,609	8	163,173	8	148,717	8	134,262	8	119,806	8	105,350	8	90,888
1/4	1/4	205,21	1/4	191,720	1/4	177,308	1/4	162,872	1/4	148,416	1/4	133,961	1/4	119,505	1/4	105,049	1/4	90,587
1/2	1/2	205,043	1/2	191,420	1/2	177,008	1/2	162,571	1/2	148,115	1/2	133,660	1/2	119,204	1/2	104,748	1/2	90,286
3/4	3/4	204,87	3/4	191,120	3/4	176,708	3/4	162,270	3/4	147,814	3/4	133,358	3/4	118,903	3/4	104,446	3/4	89,984
9	9	204,699	9	190,819	9	176,408	9	161,968	9	147,513	9	133,057	9	118,602	9	104,145	9	89,683
1/4	1/4	204,47	7 1/4	190,519	1/4	176,107	1/4	161,667	1/4	147,212	1/4	132,756	1/4	118,300	1/4	103,844	1/4	89,382
1/2	1/2	204,25		190,219	1/2	175,807	1/2	161,366	1/2	146,911	1/2	132,455	1/2	117,999	1/2	103,543	1/2	89,080
3/4	3/4	204,033		189,919	3/4	175,507	3/4	161,065	3/4	146,609	3/4	132,154	3/4	117,698	3/4	103,241	3/4	88,779
10	10	203,81		189,618	10	175,207	10	160,764	10	146,308	10	131,853	10	117,397	10	102,940	10	88,478
1/4	1/4	203,542		189,318	1/4	174,906	1/4	160,463	1/4	146,007	1/4	131,551	1/4	117,096	1/4	102,639	1/4	88,177
1/2	1/2	203,273		189,018	1/2	174,606	1/2	160,161	1/2	145,706	1/2	131,250	1/2	116,795	1/2	102,337	1/2	87,875
3/4	3/4	203,00		188,718	3/4	174,306	3/4	159,860	3/4	145,405	3/4	130,949	3/4	116,493	3/4	102,036	3/4	87,574
11	11	202,730		188,417	11	174,006	11	159,559	11	145,104	11	130,648	11	116,192	11	101,735	11	87,273
1/4	1/4	202,73		188,117	1/4	173,705	1/4	159,258	1/4	144,802	1/4	130,347	1/4	115,891	1/4	101,733	1/4	86,971
1/4	1/4	202,44		187,817	1/4	173,705	1/4	158,957	1/4	144,501	1/4	130,347	1/4	115,590	1/4	101,433	1/4	86,670
3/4	3/4	202,143		187,517	3/4	173,405	3/4	158,656	3/4	144,200	3/4	129,744	3/4	115,390	3/4	100,831	3/4	86,369
3/4	3/4	201,030	3/4	107,517	3/4	173,103	3/4	100,000	3/4	177,200	3/4	123,174	3/4			T FOR THE A		

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 12'-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"

APACI	TIES GIVEN IN WHO	OLE GALLO													GAUGE HEIGH	
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	86,067	0	71,605	0	57,195	0	42,786	0	28,324	0	13,863	0	0	0	0	
/4	85,766	1/4	71,304	1/4	56,897	1/4	42,485	1/4	28,023	1/4	13,561	1/4	1/4	1/4	1/4	
2	85,465	1/2	71,003	1/2	56,598	1/2	42,183	1/2	27,722	1/2	13,260	1/2	1/2	1/2	1/2	
4	85,164	3/4	70,701	3/4	56,299	3/4	41,882	3/4	27,420	3/4	12,959	3/4	3/4	3/4	3/4	
	84,862	1	70,400	1	56,000	1	41,581	1	27,119	1	12,657	1	1	1	1	
4	84,561	1/4	70,099	1/4	55,701	1/4	41,280	1/4	26,818	1/4	12,356	1/4	1/4	1/4	1/4	
2	84,260	1/2	69,798	1/2	55,402	1/2	40,978	1/2	26,517	1/2	12,055	1/2	1/2	1/2	1/2	
4	83,958	3/4	69,496	3/4	55,103	3/4	40,677	3/4	26,215	3/4	11,754	3/4	3/4	3/4	3/4	
	83,657	2	69,195	2	54,804	2	40,376	2	25,914	2	11,452	2	2	2	2	
4	83,356	1/4	68,894	1/4	54,505	1/4	40,074	1/4	25,613	1/4	11,151	1/4	1/4	1/4	1/4	
2	83,055	1/2	68,592	1/2	54,206	1/2	39,773	1/2	25,311	1/2	10,850	1/2	1/2	1/2	1/2	
4	82,753	3/4	68,291	3/4	53,907	3/4	39,472	3/4	25,010	3/4	10,548	3/4	3/4	3/4	3/4	
1	82,452	3/4	67,990	3/4	53,608	3/4	39,171	3/4	24,709	3/4	10,348	3/4	3/4	3/4	3/4	
_	82,151	-	67,689	-	53,309	-	38,869	\vdash	24,408	+	9.946	-			 	
1		1/4		1/4		1/4		1/4		1/4	-,	1/4	1/4	1/4	1/4	
2	81,849 81,548	1/2	67,387	1/2	53,010	1/2	38,568 38,267	1/2	24,106	1/2	9,645 9,343	1/2	1/2	1/2	1/2	
1		3/4	67,086	3/4	52,711	3/4		3/4	23,805	3/4		3/4	3/4	3/4	3/4	
_	81,247	4	66,785	4	52,412	4	37,965	4	23,504	4	9,042	4	4	4	4	
1	80,945	1/4	66,483	1/4	52,112	1/4	37,664	1/4	23,202	1/4	8,741	1/4	1/4	1/4	1/4	
?	80,644	1/2	66,182	1/2	51,813	1/2	37,363	1/2	22,901	1/2	8,439	1/2	1/2	1/2	1/2	
	80,343	3/4	65,881	3/4	51,513	3/4	37,062	3/4	22,600	3/4	8,138	3/4	3/4	3/4	3/4	
	80,042	5	65,579	5	51,213	5	36,760	5	22,299	5	7,837	5	5	5	5	
	79,740	1/4	65,278	1/4	50,913	1/4	36,459	1/4	21,997	1/4	7,536	1/4	1/4	1/4	1/4	
	79,439	1/2	64,977	1/2	50,614	1/2	36,158	1/2	21,696	1/2	7,234	1/2	1/2	1/2	1/2	
	79,138	3/4	64,676	3/4	50,314	3/4	35,856	3/4	21,395	3/4	6,933	3/4	3/4	3/4	3/4	
	78,836	6	64,375	6	50,014	6	35,555	6	21,093	6	6,632	6	6	6	6	
	78,535	1/4	64,075	1/4	49,713	1/4	35,254	1/4	20,792	1/4	6,331	1/4	1/4	1/4	1/4	
.	78,234	1/2	63,775	1/2	49,413	1/2	34,953	1/2	20,491	1/2	6,029	1/2	1/2	1/2	1/2	
ŀ	77,933	3/4	63,475	3/4	49,112	3/4	34,651	3/4	20,190	3/4	5,728	3/4	3/4	3/4	3/4	
	77,631	7	63,175	7	48,812	7	34,350	7	19,888	7	5,427	7	7	7	7	
ı	77,330	1/4	62,876	1/4	48,510	1/4	34,049	1/4	19,587	1/4	5,126	1/4	1/4	1/4	1/4	
	77,029	1/2	62,577	1/2	48,209	1/2	33,747	1/2	19,286	1/2	4,825	1/2	1/2	1/2	1/2	
	76,727	3/4	62,278	3/4	47,908	3/4	33,446	3/4	18,984	3/4	4,524	3/4	3/4	3/4	3/4	
	76,426	8	61,978	8	47,607	8	33,145	8	18,683	8	4,223	8	8	8	8	
_	76,125	1/4	61,679	1/4	47,305	1/4	32,844	1/4	18,382	1/4	3,922	1/4	1/4	1/4	1/4	
	75,823	1/2	61,381	1/2	47,004	1/2	32,542	1/2	18,081	1/2	3,622	1/2	1/2	1/2	1/2	
	75,522	3/4	61,082	3/4	46,703	3/4	32,241	3/4	17,779	3/4	3,322	3/4	3/4	3/4	3/4	
+	75,221	9	60,783	9	46,401	9	31,940	9	17,478	9	3,021	9	9	9	9	
:	74,920	1/4	60,484	1/4	46,100	1/4	31,638	1/4	17,177	1/4	2,740	1/4	1/4	1/4	1/4	
:	74,618	1/4	60,185	1/4	45,799	1/4	31,337	1/4	16,875	1/4	2,458	1/4	1/4	1/4	1/4	
:	74,616	3/4	59,886	3/4	45,799	3/4	31,036	3/4	16,574	3/4	2,436	3/4	3/4	3/4	3/4	
	74,016	10	59,587	10	45,496	10	30,735	10	16,273	10	1,894	10	10	3/4	3/4	
_		-		-				$\overline{}$		-					 	
	73,714	1/4	59,288	1/4	44,895	1/4	30,433	1/4	15,972	1/4	1,669	1/4	1/4	1/4	1/4	
2	73,413	1/2	58,989	1/2	44,594	1/2	30,132	1/2	15,670	1/2	1,443	1/2	1/2	1/2	1/2	
1	73,112	3/4	58,690	3/4	44,292	3/4	29,831	3/4	15,369	3/4	1,217	3/4	3/4	3/4	3/4	
Ц	72,811	11	58,391	11	43,991	11	29,529	11	15,068	11	991	11	11	11	11	
4	72,509	1/4	58,092	1/4	43,690	1/4	29,228	1/4	14,766	1/4		1/4	1/4	1/4	1/4	
2	72,208	1/2	57,793	1/2	43,389	1/2	28,927	1/2	14,465	1/2		1/2	1/2	1/2	1/2	
4	71,907	3/4	57,494	3/4	43,087	3/4	28,626	3/4	14,164	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 01/24/2012 CL - SW CALCULATED: 01/25/2012 CL PRINTED: 01/25/2012 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 01/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 1/2"

CAPAC	ITIES GIVEN IN WHOLE GA															GAUGE H		
IN	0 FT. 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	201,063	0	186,710	0	172,299	0	157,847	0	143,391	0	128,936	0	114,480	0	100,022
1/4	1/4		1/4	200,766	1/4	186,410	1/4	171,998	1/4	157,546	1/4	143,090	1/4	128,634	1/4	114,179	1/4	99,721
1/2	1/2		1/2	200,469	1/2	186,110	1/2	171,698	1/2	157,244	1/2	142,789	1/2	128,333	1/2	113,878	1/2	99,420
3/4	3/4		3/4	200,172	3/4	185,810	3/4	171,397	3/4	156,943	3/4	142,488	3/4	128,032	3/4	113,577	3/4	99,118
1	1		1	199,874	1	185,509	1	171,097	1	156,642	1	142,186	1	127,731	1	113,276	1	98,817
1/4	1/4		1/4	199,577	1/4	185,209	1/4	170,796	1/4	156,341	1/4	141,885	1/4	127,430	1/4	112,975	1/4	98,516
1/2	1/2		1/2	199,280	1/2	184,909	1/2	170,495	1/2	156,040	1/2	141,584	1/2	127,129	1/2	112,673	1/2	98,215
3/4	3/4		3/4	198,982	3/4	184,609	3/4	170,194	3/4	155,739	3/4	141,283	3/4	126,828	3/4	112,372	3/4	97,913
2	2		2	198,685	2	184,308	2	169,893	2	155,437	2	140,982	2	126,526	2	112,071	2	97,612
1/4	1/4		1/4	198,388	1/4	184,008	1/4	169,592	1/4	155,136	1/4	140,681	1/4	126,225	1/4	111,770	1/4	97,311
1/2	1/4		1/4	198,090	1/4	183,708	1/4	169,291	1/2	154,835	1/2	140,380	1/2	125,924	1/2	111,469	1/2	97,009
3/4	3/4		3/4	197,793	3/4	183,408	3/4	168,990	3/4	154,534	3/4	140,078	3/4	125,623	3/4	111,168	3/4	96,708
3/4	3/4		3/4		3/4	,	3/4		3/4	154,233	3/4		3/4		3/4		3/4	96,407
_			_	197,496	-	183,107	-	168,688	\leftarrow		-	139,777		125,322	-	110,866	-	
1/4	1/4		1/4	197,198	1/4	182,807	1/4	168,387	1/4	153,932	1/4	139,476	1/4	125,021	1/4	110,565	1/4	96,106
1/2	1/2		1/2	196,901	1/2	182,507	1/2	168,086	1/2	153,630	1/2	139,175	1/2	124,719	1/2	110,264	1/2	95,804
3/4	3/4		3/4	196,604	3/4	182,207	3/4	167,785	3/4	153,329	3/4	138,874	3/4	124,418	3/4	109,963	3/4	95,503
4	4		4	196,306	4	181,906	4	167,484	4	153,028	4	138,573	4	124,117	4	109,662	4	95,202
1/4	1/4		1/4	196,009	1/4	181,606	1/4	167,183	1/4	152,727	1/4	138,271	1/4	123,816	1/4	109,361	1/4	94,900
1/2	1/2		1/2	195,712	1/2	181,306	1/2	166,881	1/2	152,426	1/2	137,970	1/2	123,515	1/2	109,060	1/2	94,599
3/4	3/4		3/4	195,413	3/4	181,006	3/4	166,580	3/4	152,125	3/4	137,669	3/4	123,214	3/4	108,758	3/4	94,298
5	5		5	195,114	5	180,705	5	166,279	5	151,824	5	137,368	5	122,913	5	108,457	5	93,997
1/4	1/4		1/4	194,816	1/4	180,405	1/4	165,978	1/4	151,522	1/4	137,067	1/4	122,611	1/4	108,156	1/4	93,695
1/2	1/2		1/2	194,517	1/2	180,105	1/2	165,677	1/2	151,221	1/2	136,766	1/2	122,310	1/2	107,855	1/2	93,394
3/4	3/4		3/4	194,216	3/4	179,805	3/4	165,376	3/4	150,920	3/4	136,464	3/4	122,009	3/4	107,554	3/4	93,093
6	6		6	193,916	6	179,504	6	165,074	6	150,619	6	136,163	6	121,708	6	107,253	6	92,791
1/4	1/4		1/4	193,616	1/4	179,204	1/4	164,773	1/4	150,318	1/4	135,862	1/4	121,407	1/4	106,951	1/4	92,490
1/2	1/2		1/2	193,316	1/2	178,904	1/2	164,472	1/2	150,017	1/2	135,561	1/2	121,106	1/2	106,650	1/2	92,189
3/4	3/4		3/4	193,016	3/4	178,604	3/4	164,171	3/4	149,715	3/4	135,260	3/4	120,804	3/4	106,349	3/4	91,887
7	7		7	192,715	7	178,303	7	163,870	7	149,414	7	134,959	7	120,503	7	106,048	7	91,586
1/4	1/4		1/4	192,415	1/4	178,003	1/4	163,569	1/4	149,113	1/4	134,658	1/4	120,202	1/4	105,747	1/4	91,285
1/2	1/2	205,481	1/2	192,115	1/2	177,703	1/2	163,268	1/2	148,812	1/2	134,356	1/2	119,901	1/2	105,445	1/2	90,984
3/4	3/4	205,309	3/4	191,815	3/4	177,403	3/4	162,966	3/4	148,511	3/4	134,055	3/4	119,600	3/4	105,144	3/4	90,682
8	8	205,137	8	191,514	8	177,103	8	162,665	8	148,210	8	133,754	8	119,299	8	104,843	8	90,381
1/4	1/4	203,137	1/4	191,214	1/4	176,802	1/4	162,364	1/4	147,908	1/4	133,754	1/4	118,998	1/4	104,542	1/4	90,080
1/4	1/4	204,963	1/4	191,214	1/4	176,502	1/4	162,063	1/4	147,908	1/4	133,453	1/4	118,696	1/4	104,342	1/4	89,778
3/4	3/4	204,793	3/4	190,914	3/4	176,302	3/4	162,063	3/4	147,807	3/4	132,851	3/4	118,395	3/4	104,240	3/4	89,477
9	9	204,371	3/4 9	190,313	9	175,902	3/4 9	161,762	9	147,005	9	132,549	9	118,094	9	103,939	9	89,176
_		4	_		-		-		-		-		-		-		-	
1/4	1/4	204,127	1/4	190,013	1/4	175,601	1/4	161,159	1/4	146,704	1/4	132,248	1/4	117,793	1/4	103,336	1/4	88,875
1/2	1/2	203,905	1/2	189,713	1/2	175,301	1/2	160,858	1/2	146,403	1/2	131,947	1/2	117,492	1/2	103,035	1/2	88,573
3/4	3/4	203,636	3/4	189,413	3/4	175,001	3/4	160,557	3/4	146,102	3/4	131,646	3/4	117,191	3/4	102,734	3/4	88,272
10	10	203,368	10	189,112	10	174,701	10	160,256	10	145,800	10	131,345	10	116,890	10	102,433	10	87,971
1/4	1/4	203,099	1/4	188,812	1/4	174,400	1/4	159,955	1/4	145,499	1/4	131,044	1/4	116,588	1/4	102,131	1/4	87,669
1/2	1/2	202,830	1/2	188,512	1/2	174,100	1/2	159,654	1/2	145,198	1/2	130,743	1/2	116,287	1/2	101,830	1/2	87,368
3/4	3/4	202,537	3/4	188,212	3/4	173,800	3/4	159,352	3/4	144,897	3/4	130,441	3/4	115,986	3/4	101,529	3/4	87,067
11	11	202,244	11	187,911	11	173,500	11	159,051	11	144,596	11	130,140	11	115,685	11	101,227	11	86,766
1/4	1/4	201,950	1/4	187,611	1/4	173,199	1/4	158,750	1/4	144,295	1/4	129,839	1/4	115,384	1/4	100,926	1/4	86,464
1/2	1/2	201,657	1/2	187,311	1/2	172,899	1/2	158,449	1/2	143,993	1/2	129,538	1/2	115,083	1/2	100,625	1/2	86,163
3/4	3/4	201,360	3/4	187,011	3/4	172,599	3/4	158,148	3/4	143,692	3/4	129,237	3/4	114,781	3/4	100,324	3/4	85,862
	3/4	_0.,000	3/4	,	3/7	,000	- UT	,	∵ ₹	,	U/T	,,	5,7					MED TANK ONL

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 12'-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 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 1/2"

ACITI	ES GIVEN IN WHO	JLE GALLO	DNS												GAUGE HEIGHT	10-10 1/2
l	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.
)	85,560	0	71,099	0	56,641	0	42,183	0	27,721	0	13,260	0	0	0	0	
	85,259	1/4	70,797	1/4	56,340	1/4	41,881	1/4	27,420	1/4	12,959	1/4	1/4	1/4	1/4	
	84,958	1/2	70,496	1/2	56,039	1/2	41,580	1/2	27,119	1/2	12,657	1/2	1/2	1/2	1/2	
	84,657	3/4	70,195	3/4	55,738	3/4	41,279	3/4	26,817	3/4	12,356	3/4	3/4	3/4	3/4	
1	84,355	1	69,893	1	55,437	1	40,978	1	26,516	1	12,055	1	1	1	1	
-	84,054	1/4	69,592	1/4	55,136	1/4	40,676	1/4	26,215	1/4	11,754	1/4	1/4	1/4	1/4	<u> </u>
	83,753	1/2	69,291	1/2	54,835	1/2	40,375	1/2	25,914	1/2	11,452	1/2	1/2	1/4	1/2	
	83,451	3/4	68,990	3/4	54,534	3/4	40,074	3/4	25,612	3/4	11,151	3/4	3/4	3/4	3/4	
1	83,150	2	68,688	2	54,232	2	39,772	2	25,311	2	10,850	2	2	2	2	
+	82,849	\leftarrow	68,387	-	53,931	1/4	39,471	1/4	25,010	1/4	10,548	-			1/4	
		1/4	68,086	1/4	53,630						10,346	1/4	1/4	1/4		
	82,548	1/2		1/2		1/2	39,170	1/2	24,709	1/2		1/2	1/2	1/2	1/2	
	82,246	3/4	67,784	3/4	53,329	3/4	38,869	3/4	24,407	3/4	9,946	3/4	3/4	3/4	3/4	
4	81,945	3	67,483	3	53,028	3	38,567	3	24,106	3	9,645	3	3	3	3	
	81,644	1/4	67,182	1/4	52,727	1/4	38,266	1/4	23,805	1/4	9,343	1/4	1/4	1/4	1/4	
	81,342	1/2	66,881	1/2	52,426	1/2	37,965	1/2	23,503	1/2	9,042	1/2	1/2	1/2	1/2	
1	81,041	3/4	66,579	3/4	52,125	3/4	37,663	3/4	23,202	3/4	8,741	3/4	3/4	3/4	3/4	
1	80,740	4	66,278	4	51,823	4	37,362	4	22,901	4	8,439	4	4	4	4	
Ī	80,439	1/4	65,977	1/4	51,522	1/4	37,061	1/4	22,600	1/4	8,138	1/4	1/4	1/4	1/4	•
	80,137	1/2	65,675	1/2	51,221	1/2	36,760	1/2	22,298	1/2	7,837	1/2	1/2	1/2	1/2	
	79,836	3/4	65,374	3/4	50,920	3/4	36,458	3/4	21,997	3/4	7,536	3/4	3/4	3/4	3/4	
	79,535	5	65,073	5	50,618	5	36,157	5	21,696	5	7,234	5	5	5	5	
	79,233	1/4	64,772	1/4	50,317	1/4	35,856	1/4	21,394	1/4	6,933	1/4	1/4	1/4	1/4	
	78,932	1/2	64,470	1/2	50,016	1/2	35,555	1/2	21,093	1/2	6,632	1/2	1/2	1/2	1/2	
	78,631	3/4	64,169	3/4	49,715	3/4	35,253	3/4	20,792	3/4	6,331	3/4	3/4	3/4	3/4	
1	78,330	6	63,868	6	49,413	6	34,952	6	20,491	6	6,029	6	6	6	6	
1	78,028	1/4	63,566	1/4	49,112	1/4	34,651	1/4	20,189	1/4	5,728	1/4	1/4	1/4	1/4	
	77,727	1/2	63,265	1/2	48,811	1/2	34,349	1/2	19,888	1/2	5,427	1/2	1/2	1/4	1/2	
	77,426	3/4	62,964	3/4	48,510	3/4	34,048	3/4	19,587	3/4	5,126	3/4	3/4	3/4	3/4	
+	77,124	7	62,663	7	48,208	7	33,747	7	19,286	7	4,825	7	7	7	7	
+		\leftarrow		-		-				\vdash		-				
	76,823	1/4	62,361	1/4	47,907	1/4	33,446	1/4	18,984	1/4	4,524	1/4	1/4	1/4	1/4	
	76,522	1/2	62,060	1/2	47,606	1/2	33,144	1/2	18,683	1/2	4,223	1/2	1/2	1/2	1/2	
+	76,221	3/4	61,759	3/4	47,304	3/4	32,843	3/4	18,382	3/4	3,922	3/4	3/4	3/4	3/4	
1_	75,919	8	61,458	8	47,003	8	32,542	8	18,080	8	3,622	8	8	8	8	
	75,618	1/4	61,157	1/4	46,702	1/4	32,240	1/4	17,779	1/4	3,322	1/4	1/4	1/4	1/4	
	75,317	1/2	60,856	1/2	46,401	1/2	31,939	1/2	17,478	1/2	3,021	1/2	1/2	1/2	1/2	
1	75,015	3/4	60,555	3/4	46,099	3/4	31,638	3/4	17,177	3/4	2,740	3/4	3/4	3/4	3/4	
	74,714	9	60,254	9	45,798	9	31,337	9	16,875	9	2,458	9	9	9	9	
Ĺ	74,413	1/4	59,953	1/4	45,497	1/4	31,035	1/4	16,574	1/4	2,176	1/4	1/4	1/4	1/4	
L	74,112	1/2	59,652	1/2	45,195	1/2	30,734	1/2	16,273	1/2	1,895	1/2	1/2	1/2	1/2	
	73,810	3/4	59,350	3/4	44,894	3/4	30,433	3/4	15,971	3/4	1,669	3/4	3/4	3/4	3/4	
	73,509	10	59,049	10	44,593	10	30,132	10	15,670	10	1,443	10	10	10	10	
1	73,208	1/4	58,748	1/4	44,292	1/4	29,830	1/4	15,369	1/4	1,217	1/4	1/4	1/4	1/4	
1	72,906	1/2	58,447	1/2	43,990	1/2	29,529	1/2	15,068	1/2	991	1/2	1/2	1/2	1/2	
t	72,605	3/4	58,146	3/4	43,689	3/4	29,228	3/4	14,766	3/4		3/4	3/4	3/4	3/4	
t	72,304	11	57,845	11	43,388	11	28,926	11	14,465	11		11	11	11	11	
+	72,002	1/4	57,544	1/4	43,087	1/4	28,625	1/4	14,164	1/4		1/4	1/4	1/4	1/4	
	71,701	1/4	57,243	1/4	42,785	1/4	28,324	1/4	13,862	1/4		1/4			1/4	
1	71,701	1/2	56,942	1/2	42,785	3/4	28,023	3/4	13,561	1/2		3/4	1/2	1/2	1/2 3/4	

STRAPPED: 01/24/2012 CL - SW CALCULATED: 01/25/2012 CL PRINTED: 01/25/2012 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 01/2012 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'-10 1/2"

	TIES GIVEN IN WHO			, ,		-						1 .		, ,			GAUGE HE		
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	240,753	0	223,483	0	206,142	0	188,754	0	171,362	0	153,970	0	136,577	0	119,182
1/4		1/4		1/4	240,396	1/4	223,122	1/4	205,781	1/4	188,392	1/4	170,999	1/4	153,607	1/4	136,215	1/4	118,819
1/2		1/2		1/2	240,038	1/2	222,761	1/2	205,419	1/2	188,029	1/2	170,637	1/2	153,245	1/2	135,853	1/2	118,457
3/4		3/4		3/4	239,681	3/4	222,399	3/4	205,058	3/4	187,667	3/4	170,275	3/4	152,883	3/4	135,490	3/4	118,094
1		1		1	239,323	1	222,038	1	204,696	1	187,305	1	169,912	1	152,520	1	135,128	1	117,732
-				_	238,965	_	221,677	-	204,334	-	186,942	\vdash	169,550	-	152,158	-	134,766	\vdash	117,732
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	238,607	1/2	221,315	1/2	203,972	1/2	186,580	1/2	169,188	1/2	151,795	1/2	134,403	1/2	117,007
3/4		3/4		3/4	238,250	3/4	220,954	3/4	203,610	3/4	186,218	3/4	168,825	3/4	151,433	3/4	134,041	3/4	116,644
2		2		2	237,892	2	220,593	2	203,248	2	185,855	2	168,463	2	151,071	2	133,679	2	116,282
1/4		1/4		1/4	237,534	1/4	220,232	1/4	202,885	1/4	185,493	1/4	168,101	1/4	150,708	1/4	133,316	1/4	115,919
1/2		1/2		1/2	237,176	1/2	219,870	1/2	202,523	1/2	185,131	1/2	167,738	1/2	150,346	1/2	132,954	1/2	115,557
3/4		3/4		3/4	236,818	3/4	219,509	3/4	202,161	3/4	184,768	3/4	167,376	3/4	149,984	3/4	132,592	3/4	115,194
3		3		3	236,460	3	219,148	3	201,798	3	184,406	3	167,014	3	149,621	3	132,229	3	114,832
1/4		1/4		1/4	236,103	1/4	218,787	1/4	201,436	1/4	184,044	1/4	166,651	1/4	149,259	1/4	131,867	1/4	114,469
1/2		1/2		1/2	235,745	1/2	218,425	1/2	201,073	1/2	183,681	1/2	166,289	1/2	148,897	1/2	131,505	1/2	114,107
3/4		3/4		3/4	235,387	3/4	218,064	3/4	200,711	3/4	183,319	3/4	165,927	3/4	148,534	3/4	131,142	3/4	113,744
4		4		4	235,030	4	217,703	4	200,349	4	182,957	4	165,564	4	148,172	4	130,780	4	113,382
_				-	233,030	_	217,703	-	199,986	-	182,594	-	165,202	-	140,172	-	130,780	-	113,362
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	234,314	1/2	216,980	1/2	199,624	1/2	182,232	1/2	164,840	1/2	147,447	1/2	130,055	1/2	112,657
3/4		3/4		3/4	233,955	3/4	216,619	3/4	199,262	3/4	181,870	3/4	164,477	3/4	147,085	3/4	129,693	3/4	112,294
5		5		5	233,595	5	216,258	5	198,899	5	181,507	5	164,115	5	146,723	5	129,331	5	111,932
1/4		1/4		1/4	233,236	1/4	215,896	1/4	198,537	1/4	181,145	1/4	163,753	1/4	146,360	1/4	128,968	1/4	111,569
1/2		1/2		1/2	232,876	1/2	215,535	1/2	198,175	1/2	180,783	1/2	163,390	1/2	145,998	1/2	128,606	1/2	111,207
3/4		3/4		3/4	232,515	3/4	215,174	3/4	197,812	3/4	180,420	3/4	163,028	3/4	145,636	3/4	128,243	3/4	110,844
6		6		6	232,154	6	214,813	6	197,450	6	180,058	6	162,666	6	145,273	6	127,881	6	110,482
1/4		1/4		1/4	231,792	1/4	214,451	1/4	197,088	1/4	179,696	1/4	162,303	1/4	144,911	1/4	127,519	1/4	110,119
1/2		1/2		1/2	231,431	1/2	214,090	1/2	196,725	1/2	179,333	1/2	161,941	1/2	144,549	1/2	127,156	1/2	109,757
3/4		3/4		3/4	231,070	3/4	213,729	3/4	196,363	3/4	178,971	3/4	161,579	3/4	144,186	3/4	126,794	3/4	109,395
7		7		7	230,709	7	213,367	7	196,001	7	178,609	7	161,216	7	143,824	7	126,432	7	109,032
_		1/4		-	230,347		213,006	-	195,638	1/4	178,246	-	160,854	-	143,462	1/4	126,069	-	108,670
1/4			040.000	1/4		1/4		1/4				1/4		1/4				1/4	
1/2		1/2	246,069	1/2	229,986	1/2	212,645	1/2	195,276	1/2	177,884	1/2	160,492	1/2	143,099	1/2	125,707	1/2	108,307
3/4		3/4	245,862	3/4	229,625	3/4	212,284	3/4	194,914	3/4	177,522	3/4	160,129	3/4	142,737	3/4	125,344	3/4	107,945
8		8	245,655	8	229,263	8	211,922	8	194,551	8	177,159	8	159,767	8	142,375	8	124,982	8	107,582
1/4		1/4	245,448	1/4	228,902	1/4	211,561	1/4	194,189	1/4	176,797	1/4	159,405	1/4	142,012	1/4	124,619	1/4	107,220
1/2		1/2	245,241	1/2	228,541	1/2	211,200	1/2	193,827	1/2	176,434	1/2	159,042	1/2	141,650	1/2	124,257	1/2	106,857
3/4		3/4	244,974	3/4	228,180	3/4	210,839	3/4	193,464	3/4	176,072	3/4	158,680	3/4	141,288	3/4	123,894	3/4	106,495
9		9	244,707	9	227,818	9	210,477	9	193,102	9	175,710	9	158,318	9	140,925	9	123,532	9	106,132
1/4		1/4	244,440	1/4	227,457	1/4	210,116	1/4	192,740	1/4	175,347	1/4	157,955	1/4	140,563	1/4	123,169	1/4	105,770
1/2		1/2	244,172	1/2	227,096	1/2	209,755	1/2	192,377	1/2	174,985	1/2	157,593	1/2	140,201	1/2	122,807	1/2	105,407
3/4		3/4	243,849	3/4	226,735	3/4	209,393	3/4	192,015	3/4	174,623	3/4	157,231	3/4	139,838	3/4	122,444	3/4	105,045
10		10	243,526	10	226,373	10	209,032	10	191,653	10	174,260	10	156,868	10	139,476	10	122,082	10	104,682
_		1/4	243,203	1/4	226,012	1/4	208,671	1/4	191,290	1/4	173,898	1/4	156,506	1/4	139,114	1/4	121,719	1/4	104,320
1/4									· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·				
1/2		1/2	242,879	1/2	225,651	1/2	208,310	1/2	190,928	1/2	173,536	1/2	156,144	1/2	138,751	1/2	121,357	1/2	103,957
3/4		3/4	242,526	3/4	225,289	3/4	207,948	3/4	190,566	3/4	173,173	3/4	155,781	3/4	138,389	3/4	120,994	3/4	103,595
11		11	242,173	11	224,928	11	207,587	11	190,203	11	172,811	11	155,419	11	138,027	11	120,632	11	103,232
1/4		1/4	241,820	1/4	224,567	1/4	207,226	1/4	189,841	1/4	172,449	1/4	155,057	1/4	137,664	1/4	120,269	1/4	102,870
1/2		1/2	241,467	1/2	224,206	1/2	206,865	1/2	189,479	1/2	172,086	1/2	154,694	1/2	137,302	1/2	119,907	1/2	102,507
3/4		3/4	241,110	3/4	223,844	3/4	206,503	3/4	189,116	3/4	171,724	3/4	154,332	3/4	136,940	3/4	119,544	3/4	102,145
			•		•		•		•		•		-		OFFIT	IED OLIA	RT FOR THE ARC		

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 12'-09" OFF CENTERLINE AND 50'-00" 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'-10 1/2"

APACI	TIES 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	101,782	0	84,382	0	67,265	0	50,450	0	33,349	0	15,951	0	0	0	0	
/4	101,420	1/4	84,020	1/4	66,914	1/4	50,101	1/4	32,987	1/4	15,589	1/4	1/4	1/4	1/4	
2	101,057	1/2	83,657	1/2	66,563	1/2	49,751	1/2	32,625	1/2	15,226	1/2	1/2	1/2	1/2	
4	100,695	3/4	83,295	3/4	66,213	3/4	49,401	3/4	32,262	3/4	14,864	3/4	3/4	3/4	3/4	
	100,332	1	82,932	1	65,862	1	49,051	1	31,900	1	14,501	1	1	1	1	
4	99,970	1/4	82,570	1/4	65,511	1/4	48,701	1/4	31,538	1/4	14,139	1/4	1/4	1/4	1/4	
2	99,607	1/2	82,207	1/2	65,160	1/2	48,352	1/2	31,175	1/2	13,776	1/2	1/2	1/2	1/2	
/4	99,245	3/4	81,845	3/4	64,810	3/4	48,002	3/4	30,813	3/4	13,414	3/4	3/4	3/4	3/4	
: 1	98,882	2	81,482	2	64,459	2	47,652	2	30,451	2	13,051	2	2	2	2	
4	98,520	1/4	81,120	1/4	64,108	1/4	47,302	1/4	30,088	1/4	12,689	1/4	1/4	1/4	1/4	
2	98,157	1/2	80,757	1/2	63,758	1/2	46,953	1/2	29,726	1/2	12,326	1/2	1/2	1/2	1/2	
4	97,795	3/4	80,395	3/4	63,407	3/4	46,603	3/4	29,363	3/4	11,964	3/4	3/4	3/4	3/4	
	97,432	3	80,032	3	63,056	3	46,253	3	29,001	3	11,601	3	3	3	3	
4	97,070	1/4	79,670	1/4	62,705	1/4	45,903	1/4	28,638	1/4	11,239	1/4	1/4	1/4	1/4	
2	96,707	1/2	79,307	1/2	62,355	1/2	45,553	1/2	28,276	1/2	10,876	1/2	1/2	1/2	1/2	
1	96,345	3/4	78,945	3/4	62,004	3/4	45,203	3/4	27,913	3/4	10,514	3/4	3/4	3/4	3/4	
	95,982	4	78,582	4	61,653	4	44,853	4	27,551	4	10,152	4	4	4	4	
1	95,620	1/4	78,220	1/4	61,302	1/4	44,503	1/4	27,188	1/4	9,789	1/4	1/4	1/4	1/4	
2	95,257	1/2	77,857	1/2	60,952	1/2	44,152	1/2	26,826	1/2	9,427	1/2	1/2	1/2	1/2	
4	94,895	3/4	77,495	3/4	60,601	3/4	43,802	3/4	26,463	3/4	9,064	3/4	3/4	3/4	3/4	
T	94,532	5	77,132	5	60,250	5	43,451	5	26,101	5	8,702	5	5	5	5	
	94,170	1/4	76,770	1/4	59,900	1/4	43,100	1/4	25,738	1/4	8,339	1/4	1/4	1/4	1/4	
	93,807	1/2	76,407	1/2	59,549	1/2	42,749	1/2	25,376	1/2	7,977	1/2	1/2	1/2	1/2	
	93,445	3/4	76,051	3/4	59,198	3/4	42,393	3/4	25,013	3/4	7,614	3/4	3/4	3/4	3/4	
T	93,082	6	75,694	6	58,848	6	42,036	6	24,651	6	7,252	6	6	6	6	
	92,720	1/4	75,338	1/4	58,498	1/4	41,680	1/4	24,288	1/4	6,889	1/4	1/4	1/4	1/4	
2	92,357	1/2	74,981	1/2	58,147	1/2	41,323	1/2	23,926	1/2	6,527	1/2	1/2	1/2	1/2	
	91,995	3/4	74,630	3/4	57,797	3/4	40,961	3/4	23,563	3/4	6,165	3/4	3/4	3/4	3/4	
+	91,632	7	74,279	7	57,447	7	40,598	7	23,201	7	5,802	7	7	7	7	
	91,270	1/4	73,929	1/4	57,097	1/4	40,236	1/4	22,839	1/4	5,440	1/4	1/4	1/4	1/4	
2	90,907	1/2	73,578	1/2	56,747	1/2	39,873	1/2	22,476	1/2	5,078	1/2	1/2	1/2	1/4	
:	90,545	3/4	73,227	3/4	56,397	3/4	39,511	3/4	22,114	3/4	4,717	3/4	3/4	3/4	3/4	
1	90,182	8	72,877	8	56,047	8	39,148	8	21,751	8	4,355	8	8	8	8	
1	89,820	1/4	72,526	1/4	55,697	1/4	38,786	1/4	21,389	1/4	3,994	1/4	1/4	1/4	1/4	
2	89,457	1/4	72,320	1/4	55,348	1/4	38,423	1/4	21,026	1/4	3,633	1/4	1/4	1/4	1/4	
1	89,095	3/4	71,824	3/4	54,998	3/4	38,061	3/4	20,664	3/4	3,294	3/4	3/4	3/4	3/4	
1	88,732	9	71,474	9	54,648	9	37,698	9	20,301	9	2,955	9	9	9	9	
1	88,370	1/4	71,123	1/4	54,298	1/4	37,336	1/4	19,939	1/4	2,616	1/4	1/4	1/4	1/4	
	88,007	1/4	71,123	1/4	53,948	1/4	36,973	1/4	19,576	1/4	2,277	1/4	1/4	1/4	1/4	
1	87,645	3/4	70,772	3/4	53,599	3/4	36,611	3/4	19,214	3/4	2,005	3/4	3/4	3/4	3/4	
,	87,282	10	70,421	10	53,249	10	36,248	10	18,851	10	1,733	10	10	10	3/4	
_	86,920	_			52,899	$\overline{}$	35,886	-		-						
	86,920 86,557	1/4	69,720 69,369	1/4	52,899	1/4	35,523	1/4	18,489 18,126	1/4	1,461	1/4	1/4	1/4	1/4	
2	86,55 <i>7</i> 86,195	1/2	69,019	1/2 3/4	52,549 52,199	1/2	35,523 35,161	1/2	18,126	1/2	1,190	1/2 3/4	1/2	1/2	1/2	
1		3/4		3/4		3/4		_		3/4		3/4	3/4	3/4	3/4 11	
Ц	85,832	11	68,668	lacksquare	51,850	11	34,798	11	17,401	-						
4	85,470	1/4	68,317	1/4	51,500	1/4	34,436	1/4	17,039	1/4		1/4	1/4	1/4	1/4	
/2	85,107	1/2	67,966	1/2	51,150	1/2	34,074	1/2	16,676	1/2		1/2	1/2	1/2	1/2	
4	84,745	3/4	67,616	3/4	50,800	3/4	33,711	3/4	16,314	3/4		3/4	3/4	3/4	JART FOR THE ABOVE NA	

STRAPPED: 01/24/2012 CL - SW CALCULATED: 01/25/2012 CL PRINTED: 01/25/2012 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 01/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 1/2"

	ITIES GIVEN IN WHO															1	GAUGE HE		
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	241,884	0	224,614	0	207,273	0	189,885	0	172,493	0	155,100	0	137,708	0	120,313
1/4		1/4		1/4	241,527	1/4	224,253	1/4	206,912	1/4	189,523	1/4	172,130	1/4	154,738	1/4	137,346	1/4	119,950
1/2		1/2		1/2	241,169	1/2	223,892	1/2	206,550	1/2	189,160	1/2	171,768	1/2	154,376	1/2	136,984	1/2	119,588
3/4		3/4		3/4	240,812	3/4	223,530	3/4	206,189	3/4	188,798	3/4	171,406	3/4	154,013	3/4	136,621	3/4	119,225
1		1		1	240,454	1	223,169	1	205,827	1	188,436	1	171,043	1	153,651	1	136,259	1	118,863
1/4		1/4		1/4	240,096	1/4	222,808	1/4	205,465	1/4	188,073	1/4	170,681	1/4	153,289	1/4	135,897	1/4	118,500
1/2		1/2		1/2	239,738	1/2	222,446	1/2	205,103	1/2	187,711	1/2	170,319	1/2	152,926	1/2	135,534	1/2	118,138
3/4		3/4		3/4	239,380	3/4	222,085	3/4	204,741	3/4	187,349	3/4	169,956	3/4	152,564	3/4	135,172	3/4	117,775
2		2		2	239,023	2	221,724	2	204,378	2	186,986	2	169,594	2	152,202	2	134,810	2	117,413
1/4		1/4		1/4	238,665	1/4	221,363	1/4	204,016	1/4	186,624	1/4	169,232	1/4	151,839	1/4	134,447	1/4	117,050
1/2		1/2		1/2	238,307	1/2	221,001	1/2	203,654	1/2	186,262	1/2	168,869	1/2	151,477	1/2	134,085	1/2	116,688
3/4		3/4		3/4	237,949	3/4	220,640	3/4	203,291	3/4	185,899	3/4	168,507	3/4	151,115	3/4	133,723	3/4	116,325
3		3		3	237,591	3	220,279	3	202,929	3	185,537	3	168,145	3	150,752	3	133,360	3	115,963
1/4		1/4		1/4	237,234	1/4	219,918	1/4	202,567	1/4	185,175	1/4	167,782	1/4	150,390	1/4	132,998	1/4	115,600
1/2		1/2		1/2	236,876	1/2	219,556	1/2	202,204	1/2	184,812	1/2	167,420	1/2	150,028	1/4	132,636	1/2	115,238
3/4		3/4		3/4	236,518	3/4	219,195	3/4	201,842	3/4	184,450	3/4	167,058	3/4	149,665	3/4	132,273	3/4	114,875
4		4		4	236,160	4	218,834	4	201,480	4	184,088	4	166,695	4	149,303	4	131,911	4	114,513
_		\rightarrow		-			218,472			-		igspace		_		-		-	114,150
1/4		1/4		1/4	235,803	1/4		1/4	201,117	1/4	183,725	1/4	166,333	1/4	148,941	1/4	131,548	1/4	
1/2		1/2		1/2	235,445	1/2	218,111	1/2	200,755	1/2	183,363	1/2	165,971	1/2	148,578	1/2	131,186	1/2	113,788
3/4		3/4		3/4	235,086	3/4	217,750	3/4	200,393	3/4	183,001	3/4	165,608	3/4	148,216	3/4	130,824	3/4	113,425
5		5		5	234,726	5	217,389	5	200,030	5	182,638	5	165,246	5	147,854	5	130,461	5	113,063
1/4		1/4		1/4	234,367	1/4	217,027	1/4	199,668	1/4	182,276	1/4	164,884	1/4	147,491	1/4	130,099	1/4	112,700
1/2		1/2		1/2	234,007	1/2	216,666	1/2	199,306	1/2	181,914	1/2	164,521	1/2	147,129	1/2	129,737	1/2	112,338
3/4		3/4		3/4	233,646	3/4	216,305	3/4	198,943	3/4	181,551	3/4	164,159	3/4	146,767	3/4	129,374	3/4	111,975
6		6		6	233,285	6	215,944	6	198,581	6	181,189	6	163,797	6	146,404	6	129,012	6	111,613
1/4		1/4		1/4	232,923	1/4	215,582	1/4	198,219	1/4	180,826	1/4	163,434	1/4	146,042	1/4	128,650	1/4	111,250
1/2		1/2		1/2	232,562	1/2	215,221	1/2	197,856	1/2	180,464	1/2	163,072	1/2	145,680	1/2	128,287	1/2	110,888
3/4		3/4		3/4	232,201	3/4	214,860	3/4	197,494	3/4	180,102	3/4	162,710	3/4	145,317	3/4	127,925	3/4	110,525
7		7		7	231,840	7	214,498	7	197,132	7	179,739	7	162,347	7	144,955	7	127,563	7	110,163
1/4		1/4		1/4	231,478	1/4	214,137	1/4	196,769	1/4	179,377	1/4	161,985	1/4	144,593	1/4	127,200	1/4	109,800
1/2		1/2	247,200	1/2	231,117	1/2	213,776	1/2	196,407	1/2	179,015	1/2	161,623	1/2	144,230	1/2	126,838	1/2	109,438
3/4		3/4	246,993	3/4	230,756	3/4	213,415	3/4	196,045	3/4	178,652	3/4	161,260	3/4	143,868	3/4	126,475	3/4	109,075
8		8	246,786	8	230,394	8	213,053	8	195,682	8	178,290	8	160,898	8	143,506	8	126,113	8	108,713
1/4		1/4	246,579	1/4	230,033	1/4	212,692	1/4	195,320	1/4	177,928	1/4	160,536	1/4	143,143	1/4	125,750	1/4	108,350
1/2		1/2	246,372	1/2	229,672	1/2	212,331	1/2	194,958	1/2	177,565	1/2	160,173	1/2	142,781	1/2	125,388	1/2	107,988
3/4		3/4	246,105	3/4	229,311	3/4	211,969	3/4	194,595	3/4	177,203	3/4	159,811	3/4	142,419	3/4	125,025	3/4	107,625
9		9	245.838	9	228,949	9	211,608	9	194,233	9	176,841	9	159,449	9	142,056	9	124,663	9	107,263
1/4		1/4	245,571	1/4	228,588	1/4	211,247	1/4	193,871	1/4	176,478	1/4	159,086	1/4	141,694	1/4	124,300	1/4	106,901
1/2		1/2	245,303	1/2	228,227	1/2	210,886	1/2	193,508	1/2	176,116	1/2	158,724	1/2	141,332	1/2	123,938	1/2	106,538
3/4		3/4	244,980	3/4	227,866	3/4	210,524	3/4	193,146	3/4	175,754	3/4	158,362	3/4	140,969	3/4	123,575	3/4	106,176
10		10	244,657	10	227,504	10	210,163	10	192,784	10	175,391	10	157,999	10	140,607	10	123,213	10	105,813
1/4		1/4	244,334	1/4	227,143	1/4	209,802	1/4	192,764	1/4	175,029	1/4	157,637	1/4	140,007	1/4	123,213	1/4	105,451
			244,010		226,782		209,802		· ·		175,029		157,037			_			105,451
1/2		1/2	244,010	1/2	226,782	1/2	209,441	1/2	192,059 191,697	1/2	174,867	1/2	157,275	1/2	139,882 139,520	1/2	122,488 122,125	1/2	,
3/4		3/4		3/4		3/4	· · · · · · · · · · · · · · · · · · ·	3/4		3/4		3/4		3/4		3/4		3/4	104,726
11		11	243,304	11	226,059	11	208,718	11	191,334	11	173,942	11	156,550	11	139,158	11	121,763	11	104,363
1/4		1/4	242,951	1/4	225,698	1/4	208,357	1/4	190,972	1/4	173,580	1/4	156,187	1/4	138,795	1/4	121,400	1/4	104,001
1/2		1/2	242,598	1/2	225,337	1/2	207,995	1/2	190,610	1/2	173,217	1/2	155,825	1/2	138,433	1/2	121,038	1/2	103,638
3/4		3/4	242,241	3/4	224,975	3/4	207,634	3/4	190,247	3/4	172,855	3/4	155,463	3/4	138,071	3/4	120,675	3/4	103,276

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 12'-09" OFF CENTERLINE AND 50'-00" FORWARD OF AFT BULKHEAD.

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



2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 1/2"

CAPACI	TIES GIVEN IN WHO	OLE GALLO													GAUGE HEIGH	
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	102,913	0	85,513	0	68,113	0	50,734	0	33,350	0	15,952	0	0	0	0	
1/4	102,551	1/4	85,151	1/4	67,751	1/4	50,373	1/4	32,988	1/4	15,589	1/4	1/4	1/4	1/4	
1/2	102,188	1/2	84,788	1/2	67,388	1/2	50,011	1/2	32,625	1/2	15,227	1/2	1/2	1/2	1/2	
3/4	101,826	3/4	84,426	3/4	67,026	3/4	49,649	3/4	32,263	3/4	14,864	3/4	3/4	3/4	3/4	
1	101,463	1	84,063	1	66,663	1	49,288	1	31,901	1	14,502	1	1	1	1	
1/4	101,101	1/4	83,701	1/4	66,301	1/4	48,926	1/4	31,539	1/4	14,139	1/4	1/4	1/4	1/4	
1/2	100,738	1/2	83,338	1/2	65,938	1/2	48,565	1/2	31,176	1/2	13,777	1/2	1/2	1/2	1/2	
3/4	100,376	3/4	82,976	3/4	65,576	3/4	48,203	3/4	30,814	3/4	13,414	3/4	3/4	3/4	3/4	
2	100,013	2	82,613	2	65,213	2	47,842	2	30,451	2	13,052	2	2	2	2	
1/4	99,651	1/4	82,251	1/4	64,851	1/4	47,480	1/4	30,089	1/4	12,689	1/4	1/4	1/4	1/4	
1/2	99,288	1/2	81,888	1/2	64,488	1/2	47,119	1/2	29,727	1/2	12,327	1/2	1/2	1/2	1/2	
3/4	98,926	3/4	81,526	3/4	64,126	3/4	46,757	3/4	29,364	3/4	11,964	3/4	3/4	3/4	3/4	
3/4	98,563	3/4	81,163	3/4	63,764	3/4	46,395	3/4	29,002	3/4	11,602	3/4	3/4	3/4	3/4	
_	98,201	\leftarrow	80.801	-	63,401	-	46,034		28,639	_	11,239	-			-	
1/4	,	1/4	,	1/4	, .	1/4	-,	1/4	-,	1/4	,	1/4	1/4	1/4	1/4	
1/2	97,838	1/2	80,438	1/2	63,039	1/2	45,672	1/2	28,277	1/2	10,877	1/2	1/2	1/2	1/2	
3/4	97,476	3/4	80,076	3/4	62,676	3/4	45,310	3/4	27,914	3/4	10,514	3/4	3/4	3/4	3/4	
4	97,113	4	79,713	4	62,314	4	44,948	4	27,552	4	10,152	4	4	4	4	
1/4	96,751	1/4	79,351	1/4	61,951	1/4	44,586	1/4	27,189	1/4	9,789	1/4	1/4	1/4	1/4	
1/2	96,388	1/2	78,988	1/2	61,589	1/2	44,224	1/2	26,827	1/2	9,427	1/2	1/2	1/2	1/2	
3/4	96,026	3/4	78,626	3/4	61,226	3/4	43,862	3/4	26,464	3/4	9,064	3/4	3/4	3/4	3/4	
5	95,663	5	78,263	5	60,864	5	43,499	5	26,102	5	8,702	5	5	5	5	
1/4	95,301	1/4	77,901	1/4	60,501	1/4	43,137	1/4	25,739	1/4	8,339	1/4	1/4	1/4	1/4	
1/2	94,938	1/2	77,538	1/2	60,139	1/2	42,774	1/2	25,377	1/2	7,977	1/2	1/2	1/2	1/2	
3/4	94,576	3/4	77,176	3/4	59,776	3/4	42,412	3/4	25,014	3/4	7,614	3/4	3/4	3/4	3/4	
6	94,213	6	76,813	6	59,414	6	42,049	6	24,652	6	7,252	6	6	6	6	
1/4	93,851	1/4	76,451	1/4	59,052	1/4	41,687	1/4	24,289	1/4	6,890	1/4	1/4	1/4	1/4	
1/2	93,488	1/2	76,088	1/2	58,690	1/2	41,324	1/2	23,927	1/2	6,527	1/2	1/2	1/2	1/2	
3/4	93,126	3/4	75,726	3/4	58,328	3/4	40,962	3/4	23,564	3/4	6,165	3/4	3/4	3/4	3/4	
7	92,763	7	75,363	7	57,966	7	40,599	7	23,202	7	5,803	7	7	7	7	
1/4	92,401	1/4	75,001	1/4	57,605	1/4	40,237	1/4	22,839	1/4	5,440	1/4	1/4	1/4	1/4	
1/2	92,038	1/2	74,638	1/2	57,243	1/2	39,874	1/2	22,477	1/2	5,078	1/2	1/2	1/2	1/2	
3/4	91,676	3/4	74,276	3/4	56,881	3/4	39,512	3/4	22,114	3/4	4,717	3/4	3/4	3/4	3/4	
8	91,313	8	73,913	8	56,519	8	39,149	8	21,752	8	4,356	8	8	8	8	
1/4	90,951	1/4	73,551	1/4	56,158	1/4	38,787	1/4	21,389	1/4	3,994	1/4	1/4	1/4	1/4	
1/2	90,588	1/2	73,188	1/2	55,796	1/2	38,424	1/2	21,027	1/2	3,633	1/2	1/2	1/2	1/2	
3/4	90,226	3/4	72,826	3/4	55,435	3/4	38,062	3/4	20,664	3/4	3,294	3/4	3/4	3/4	3/4	
9	89,863	9	72,463	9	55,073	9	37,699	9	20,302	9	2,955	9	9	9	9	
1/4	89,501	1/4	72,101	1/4	54,711	1/4	37,337	1/4	19,939	1/4	2,616	1/4	1/4	1/4	1/4	
1/2	89,138	1/2	71,738	1/2	54,350	1/2	36,974	1/2	19,577	1/2	2,277	1/2	1/2	1/2	1/2	
3/4	88,776	3/4	71,376	3/4	53,988	3/4	36,612	3/4	19,214	3/4	2,005	3/4	3/4	3/4	3/4	
10	88,413	10	71,013	10	53,627	10	36,249	10	18,852	10	1,733	10	10	10	10	
1/4	88.051	1/4	70,651	1/4	53,027	1/4	35,887	1/4	18,489	1/4	1,753	1/4	1/4	1/4	1/4	
1/4	87,688	1/4	70,031	1/4	52,904	1/4	35,524	1/4	18,127	1/4	1,190	1/4	1/4	1/4	1/4	
-	87,326	3/4	69,926	3/4	52,542		35,162	3/4	17,764	3/4	1,130	3/4	3/4	3/4	3/4	
3/4		3/4		3/4	•	3/4 11	•	3/4		3/4		3/4	3/4	3/4	3/4	
\rightarrow	86,963	-	69,563	-	52,180	+	34,799	_	17,402	_						
1/4	86,601	1/4	69,201	1/4	51,819	1/4	34,437	1/4	17,039	1/4		1/4	1/4	1/4		
1/2	86,238	1/2	68,838	1/2	51,457	1/2	34,075	1/2	16,677	1/2		1/2	1/2	1/2	1/2	
3/4	85,876	3/4	68,476	3/4	51,096	3/4	33,712	3/4	16,314	3/4		3/4	3/4	3/4	3/4 HART FOR THE ABOVE N	

STRAPPED: 01/24/2012 CL - SW CALCULATED: 01/25/2012 CL PRINTED: 01/25/2012 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 01/2012 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'-10 3/4"

CAPACITIES	GIVEN IN WHO	DLE GALLO																	15-10 3/4"
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	221,389	0	208,736	0	196,082	0	183,396	0	170,601	0	153,924	0	136,637	0	119,344
1/4		1/4		1/4	221,126	1/4	208,472	1/4	195,819	1/4	183,132	1/4	170,305	1/4	153,564	1/4	136,277	1/4	118,983
1/2		1/2		1/2	220,863	1/2	208,209	1/2	195,555	1/2	182,867	1/2	170,009	1/2	153,204	1/2	135,916	1/2	118,623
3/4		3/4		3/4	220,599	3/4	207,945	3/4	195,292	3/4	182,603	3/4	169,714	3/4	152,844	3/4	135,556	3/4	118,262
1		1		1	220,336	1	207,681	1	195,028	1	182,339	1	169,403	1	152,483	1	135,196	1	117,902
1/4		1/4		1/4	220,072	1/4	207,418	1/4	194,764	1/4	182,074	1/4	169,091	1/4	152,123	1/4	134,836	1/4	117,541
1/2		1/2		1/2	219,808	1/2	207,154	1/2	194,500	1/2	181,810	1/2	168,780	1/2	151,763	1/2	134,476	1/2	117,181
3/4		3/4		3/4	219,545	3/4	206,891	3/4	194,236	3/4	181,546	3/4	168,469	3/4	151,403	3/4	134,116	3/4	116,820
2		2		2	219,281	2	206,627	2	193,971	2	181,281	2	168,142	2	151,043	2	133,756	2	116,459
1/4		1/4		1/4	219,017	1/4	206,363	1/4	193,707	1/4	181,017	1/4	167,815	1/4	150,683	1/4	133,395	1/4	116,099
1/2		1/2		1/2	218,753	1/2	206,100	1/2	193,442	1/2	180,752	1/2	167,488	1/2	150,323	1/2	133,035	1/2	115,738
3/4		3/4		3/4	218,490	3/4	205,836	3/4	193,178	3/4	180,488	3/4	167,161	3/4	149,962	3/4	132,675	3/4	115,378
3		3		3	218,226	3	205,572	3	192,914	3	180,224	3	166,818	3	149,602	3	132,315	3	115,017
1/4		1/4		1/4	217,962	1/4	205,309	1/4	192,649	1/4	179,959	1/4	166,475	1/4	149,242	1/4	131,955	1/4	114,657
1/2		1/4		1/2	217,699	1/4	205,045	1/2	192,385	1/2	179,695	1/4	166,132	1/2	148,882	1/2	131,595	1/2	114,296
3/4		3/4		3/4	217,033	3/4	204,782	3/4	192,303	3/4	179,093	3/4	165,789	3/4	148,522	3/4	131,235	3/4	113,936
4		4		4	217,171	4	204,518	4	191,856	4	179,166	4	165,433	4	148,162	4	130,874	4	113,575
_		$oldsymbol{}$		-		-				-				_		_		-	
1/4		1/4		1/4	216,908	1/4	204,254	1/4	191,592	1/4	178,902	1/4	165,078	1/4	147,801	1/4	130,514	1/4	113,215 112,854
1/2		1/2		1/2	216,644	1/2	203,991	1/2	191,327	1/2	178,637	1/2	164,722	1/2	147,441	1/2	130,154	1/2	
3/4		3/4		3/4	216,381	3/4	203,727	3/4	191,063	3/4	178,373	3/4	164,367	3/4	147,081	3/4	129,794	3/4	112,494
5		5		5	216,117	5	203,464	5	190,799	5	178,109	5	164,007	5	146,721	5	129,434	5	112,133
1/4		1/4		1/4	215,853	1/4	203,200	1/4	190,534	1/4	177,844	1/4	163,647	1/4	146,361	1/4	129,074	1/4	111,773
1/2		1/2		1/2	215,590	1/2	202,936	1/2	190,270	1/2	177,580	1/2	163,287	1/2	146,001	1/2	128,713	1/2	111,413
3/4		3/4		3/4	215,326	3/4	202,673	3/4	190,006	3/4	177,316	3/4	162,928	3/4	145,641	3/4	128,353	3/4	111,052
6		6		6	215,063	6	202,409	6	189,741	6	177,051	6	162,567	6	145,280	6	127,993	6	110,692
1/4		1/4		1/4	214,799	1/4	202,145	1/4	189,477	1/4	176,787	1/4	162,207	1/4	144,920	1/4	127,633	1/4	110,332
1/2		1/2		1/2	214,535	1/2	201,882	1/2	189,212	1/2	176,522	1/2	161,847	1/2	144,560	1/2	127,273	1/2	109,972
3/4		3/4		3/4	214,272	3/4	201,618	3/4	188,948	3/4	176,258	3/4	161,487	3/4	144,200	3/4	126,913	3/4	109,611
7		7		7	214,008	7	201,355	7	188,684	7	175,994	7	161,127	7	143,840	7	126,552	7	109,251
1/4		1/4		1/4	213,744	1/4	201,091	1/4	188,419	1/4	175,729	1/4	160,767	1/4	143,480	1/4	126,192	1/4	108,891
1/2		1/2		1/2	213,481	1/2	200,827	1/2	188,155	1/2	175,465	1/2	160,407	1/2	143,119	1/2	125,832	1/2	108,530
3/4		3/4	225,015	3/4	213,217	3/4	200,564	3/4	187,891	3/4	175,201	3/4	160,047	3/4	142,759	3/4	125,472	3/4	108,170
8		8	224,864	8	212,954	8	200,300	8	187,626	8	174,936	8	159,686	8	142,399	8	125,112	8	107,810
1/4		1/4	224,713	1/4	212,690	1/4	200,037	1/4	187,362	1/4	174,672	1/4	159,326	1/4	142,039	1/4	124,751	1/4	107,449
1/2		1/2	224,562	1/2	212,426	1/2	199,773	1/2	187,097	1/2	174,408	1/2	158,966	1/2	141,679	1/2	124,391	1/2	107,089
3/4		3/4	224,411	3/4	212,163	3/4	199,509	3/4	186,833	3/4	174,143	3/4	158,606	3/4	141,319	3/4	124,031	3/4	106,729
9		9	224,216	9	211,899	9	199,246	9	186,569	9	173,879	9	158,246	9	140,959	9	123,670	9	106,368
1/4		1/4	224,021	1/4	211,636	1/4	198,982	1/4	186,304	1/4	173,614	1/4	157,886	1/4	140,598	1/4	123,310	1/4	106,008
1/2		1/2	223,826	1/2	211,372	1/2	198,718	1/2	186,040	1/2	173,350	1/2	157,526	1/2	140,238	1/2	122,950	1/2	105,648
3/4		3/4	223,631	3/4	211,108	3/4	198,455	3/4	185,776	3/4	173,086	3/4	157,165	3/4	139,878	3/4	122,589	3/4	105,287
10		10	223,396	10	210,845	10	198,191	10	185,511	10	172,818	10	156,805	10	139,518	10	122,229	10	104,927
1/4		1/4	223,160	1/4	210,581	1/4	197,928	1/4	185,247	1/4	172,550	1/4	156,445	1/4	139,158	1/4	121,868	1/4	104,567
1/2		1/2	222,924	1/2	210,317	1/2	197,664	1/2	184,982	1/2	172,282	1/2	156,085	1/2	138,798	1/2	121,507	1/2	104,206
3/4		3/4	222,688	3/4	210,054	3/4	197,400	3/4	184,718	3/4	172,014	3/4	155,725	3/4	138,438	3/4	121,147	3/4	103,846
11		11	222,429	11	209,790	11	197,137	11	184,454	11	171,735	11	155,365	11	138,077	11	120,786	11	103,486
1/4		1/4	222,429	1/4	209,790	1/4	196,873	1/4	184,189	1/4	171,755	1/4	155,004	1/4	137,717	1/4	120,786	1/4	103,486
		1/4	221,911	1/4	209,327	1/4	196,610	1/4	183,925	1/4	171,435	1/4	154,644	1/4	137,357	1/4	120,426	1/4	103,126
1/2 3/4		3/4	221,911	3/4	209,263	3/4	196,346	3/4	183,661	3/4	171,176	3/4	154,644	3/4	136,997	3/4	119,705	3/4	102,765
3/4		3/4	221,002	3/4	200,333	3/4	130,340	3/4	103,001	3/4	110,090	3/4	134,204	3/4			I 19,705 IART FOR THE AB		

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 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

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'-10 3/4"

PACI	FIES GIVEN IN WHO	JLE GALLO	JNS												GAUGE HEIGHT	15-10 3/4
N	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	102,044	0	84,764	0	67,542	0	50,685	0	33,560	0	16,248	0	0	0	0	
4	101,684	1/4	84,405	1/4	67,188	1/4	50,332	1/4	33,199	1/4	15,887	1/4	1/4	1/4	1/4	
	101,323	1/2	84,047	1/2	66,834	1/2	49,978	1/2	32,839	1/2	15,526	1/2	1/2	1/2	1/2	
	100,963	3/4	83,688	3/4	66,480	3/4	49,625	3/4	32,478	3/4	15,166	3/4	3/4	3/4	3/4	
1	100,602	1	83,329	1	66,128	1	49,272	1	32,118	1	14,805	1	1	1	1	
_	100,242	1/4	82,971	1/4	65,775	1/4	48,918	1/4	31,757	1/4	14,444	1/4	1/4	1/4	1/4	<u> </u>
!	99,881	1/2	82,612	1/2	65,423	1/2	48,565	1/2	31,397	1/2	14,084	1/2	1/2	1/2	1/2	
	99,521	3/4	82,253	3/4	65,070	3/4	48,212	3/4	31,036	3/4	13,723	3/4	3/4	3/4	3/4	
T	99,160	2	81,895	2	64,720	2	47,858	2	30,675	2	13,362	2	2	2	2	
+	98,799	1/4	81,536	1/4	64,369	1/4	47,505	1/4	30,315	1/4	13,001	1/4	1/4	1/4	1/4	
_	98,439		81,177		64,018		47,151	_	29,954		12,640			1/4		
	98,078	1/2 3/4	80,819	1/2	63,667	1/2	46,798	1/2 3/4	29,594	1/2	12,040	1/2 3/4	1/2	3/4	1/2	
_				3/4		3/4		_		3/4		_	3/4	3/4		
4	97,717	3	80,460	-	63,316	3	46,445	3	29,233	3	11,918	3			3	
	97,357	1/4	80,101	1/4	62,965	1/4	46,091	1/4	28,872	1/4	11,557	1/4	1/4	1/4	1/4	
_	96,996	1/2	79,743	1/2	62,615	1/2	45,738	1/2	28,511	1/2	11,196	1/2	1/2	1/2	1/2	
4	96,635	3/4	79,384	3/4	62,264	3/4	45,385	3/4	28,151	3/4	10,834	3/4	3/4	3/4	3/4	
┸	96,275	4	79,025	4	61,913	4	45,031	4	27,790	4	10,473	4	4	4	4	
	95,914	1/4	78,667	1/4	61,562	1/4	44,678	1/4	27,429	1/4	10,112	1/4	1/4	1/4	1/4	
	95,554	1/2	78,308	1/2	61,211	1/2	44,325	1/2	27,069	1/2	9,751	1/2	1/2	1/2	1/2	
↓	95,193	3/4	77,949	3/4	60,860	3/4	43,971	3/4	26,708	3/4	9,390	3/4	3/4	3/4	3/4	
	94,832	5	77,591	5	60,510	5	43,618	5	26,347	5	9,029	5	5	5	5	
	94,472	1/4	77,232	1/4	60,159	1/4	43,264	1/4	25,987	1/4	8,668	1/4	1/4	1/4	1/4	
	94,111	1/2	76,873	1/2	59,808	1/2	42,911	1/2	25,626	1/2	8,307	1/2	1/2	1/2	1/2	
	93,750	3/4	76,515	3/4	59,457	3/4	42,558	3/4	25,265	3/4	7,947	3/4	3/4	3/4	3/4	
Τ	93,390	6	76,156	6	59,106	6	42,201	6	24,904	6	7,586	6	6	6	6	
Ī	93,029	1/4	75,797	1/4	58,756	1/4	41,845	1/4	24,544	1/4	7,225	1/4	1/4	1/4	1/4	
	92,669	1/2	75,439	1/2	58,405	1/2	41,488	1/2	24,183	1/2	6,864	1/2	1/2	1/2	1/2	
	92,308	3/4	75,080	3/4	58,054	3/4	41,132	3/4	23,822	3/4	6,503	3/4	3/4	3/4	3/4	
T	91,947	7	74,721	7	57,703	7	40,771	7	23,462	7	6,142	7	7	7	7	
†	91,587	1/4	74,363	1/4	57,352	1/4	40,411	1/4	23,101	1/4	5,781	1/4	1/4	1/4	1/4	
t	91,226	1/2	74,004	1/2	57,001	1/2	40,051	1/2	22,740	1/2	5,421	1/2	1/2	1/2	1/2	
t	90,865	3/4	73,645	3/4	56,651	3/4	39,691	3/4	22,380	3/4	5,060	3/4	3/4	3/4	3/4	
\dagger	90,506	8	73,286	8	56,300	8	39,330	8	22,019	8	4,700	8	8	8	8	
+	90,146	1/4	72,926	1/4	55,949	1/4	38,970	1/4	21,658	1/4	4,340	1/4	1/4	1/4	1/4	
+	89.786	1/4	72,567	1/4	55,598	1/4	38,609	1/4	21,298	1/4	3.980	1/4	1/4	1/4	1/4	
+	89,427	3/4	72,307	3/4	55,247	3/4	38,248	3/4	20,937	3/4	3,620	3/4	3/4	3/4	3/4	
$^{+}$	89.068	9	71,847	9	54,897	9	37,887	9	20,576	9	3,282	9	9	9	3/4	
╀	88,709		71,487	+	54,546	\rightarrow	37,527		20,215	\vdash	2,944	-				
+		1/4		1/4		1/4	37,527 37,166	1/4		1/4		1/4	1/4	1/4	1/4	
-	88,351	1/2	71,126	1/2	54,196	1/2		1/2	19,855	1/2	2,606	1/2	1/2	1/2	1/2	
╁	87,992	3/4	70,766	3/4	53,845	3/4	36,805	3/4	19,494	3/4	2,269	3/4	3/4	3/4	3/4	
Ļ	87,633	10	70,406	10	53,495	10	36,445	10	19,133	10	1,998	10	10	10		
L	87,275	1/4	70,046	1/4	53,145	1/4	36,084	1/4	18,773	1/4	1,727	1/4	1/4	1/4	1/4	
1	86,916	1/2	69,685	1/2	52,795	1/2	35,723	1/2	18,412	1/2	1,456	1/2	1/2	1/2	1/2	
↓	86,557	3/4	69,325	3/4	52,445	3/4	35,363	3/4	18,051	3/4	1,185	3/4	3/4	3/4	3/4	
⊥	86,199	11	68,968	11	52,094	11	35,002	11	17,691	11		11	11	11	11	
	85,840	1/4	68,611	1/4	51,742	1/4	34,641	1/4	17,330	1/4		1/4	1/4	1/4	1/4	
	85,481	1/2	68,253	1/2	51,390	1/2	34,281	1/2	16,969	1/2		1/2	1/2	1/2	1/2	
	85,123	3/4	67,896	3/4	51,038	3/4	33,920	3/4	16,609	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 01/24/2012 CL - SW CALCULATED: 01/25/2012 CL PRINTED: 01/25/2012 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 01/2012 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'-10 3/4"

IN 0 1/4 1/2 3/4 1 1/4 1/2	0 FT.	IN	1 FT.	IN	2 FT.		^ FT												
1/4 1/2 3/4 1				IIV	Z F1.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
1/2 3/4 1		0		0	222,397	0	209,744	0	197,090	0	184,403	0	171,606	0	154,902	0	137,585	0	120,262
3/4 1 1/4		1/4		1/4	222,134	1/4	209,480	1/4	196,826	1/4	184,139	1/4	171,311	1/4	154,542	1/4	137,224	1/4	119,901
1/4		1/2		1/2	221,871	1/2	209,216	1/2	196,562	1/2	183,874	1/2	171,015	1/2	154,181	1/2	136,863	1/2	119,540
1/4		3/4		3/4	221,607	3/4	208,953	3/4	196,299	3/4	183,610	3/4	170,719	3/4	153,820	3/4	136,503	3/4	119,178
_		1		1	221,344	1	208,689	1	196,035	1	183,345	1	170,408	1	153,459	1	136,142	1	118,817
_		1/4		1/4	221,080	1/4	208,425	1/4	195,771	1/4	183,081	1/4	170,096	1/4	153,099	1/4	135,781	1/4	118,456
		1/2		1/2	220,816	1/2	208,162	1/2	195,507	1/2	182,817	1/2	169,785	1/2	152,738	1/2	135,420	1/2	118,095
3/4		3/4		3/4	220,553	3/4	207,898	3/4	195,243	3/4	182,552	3/4	169,473	3/4	152,377	3/4	135,059	3/4	117,734
2		2		2	220,289	2	207,635	2	194,978	2	182,288	2	169,145	2	152,016	2	134,699	2	117,372
1/4		1/4		1/4	220,025	1/4	207,371	1/4	194,714	1/4	182,024	1/4	168,818	1/4	151,655	1/4	134,338	1/4	117,011
1/2		1/2		1/2	219,762	1/2	207,107	1/2	194,450	1/2	181,759	1/2	168,490	1/2	151,295	1/2	133,977	1/2	116,650
3/4		3/4		3/4	219,498	3/4	206,844	3/4	194,185	3/4	181,495	3/4	168,163	3/4	150,934	3/4	133,616	3/4	116,289
3		3		3	219,234	3	206,580	3	193,921	3	181,230	3	167,819	3	150,573	3	133,256	3	115,928
1/4		1/4		1/4	218,970	1/4	206,316	1/4	193,656	1/4	180,966	1/4	167,475	1/4	150,212	1/4	132,895	1/4	115,566
1/2		1/4		1/2	218,707	1/2	206,053	1/4	193,392	1/2	180,702	1/2	167,131	1/2	149,851	1/4	132,534	1/2	115,205
3/4		3/4		3/4	218,443	3/4	205,789	3/4	193,128	3/4	180,437	3/4	166,788	3/4	149,491	3/4	132,173	3/4	114,844
4		4		4	218,179	4	205,526	4	192,863	4	180,173	4	166,432	4	149,130	4	131,812	4	114,483
1/4		1/4		1/4	217,916	1/4	205,262	1/4	192,599	1/4	179,909	1/4	166,076	1/4	148,769	1/4	131,452	1/4	114,122
1/2		1/2		1/2	217,652	1/2	204,998	1/4	192,335	1/2	179,644	1/2	165,720	1/4	148,408	1/4	131,091	1/2	113,760
3/4		3/4		3/4	217,389	3/4	204,735	3/4	192,070	3/4	179,380	3/4	165,364	3/4	148,048	3/4	130,730	3/4	113,700
5		5		5	217,125	5	204,471	5	191,806	5	179,115	5	165,003	5	147,687	5	130,369	5	113,038
1/4		1/4		1/4	216,861	1/4	204,207	1/4	191,541	1/4	178,851	1/4	164,643	1/4	147,326	1/4	130,009	1/4	112,677
				1/4	216,598		203,944		191,277	1/2	178,587	1/4	164,282		146,965	1/4	129,648	1/4	112,316
1/2		1/2 3/4		3/4	216,334	1/2 3/4	203,680	1/2 3/4	191,277	3/4	178,322	3/4	163,922	1/2 3/4	146,604	3/4	129,046	3/4	111,954
6		6		6	216,070	6	203,417	6	190,748	6	178,058	6	163,561	6	146,244	6	128,926	6	111,593
_		_		_	215,807	-		-		-		-	163,200	-	145,883	$oldsymbol{}$		-	111,232
1/4		1/4		1/4		1/4	203,153	1/4	190,484	1/4	177,793	1/4	•	1/4		1/4	128,565	1/4	•
1/2		1/2		1/2	215,543 215,280	1/2	202,889 202,626	1/2	190,219 189,955	1/2	177,529 177,265	1/2	162,840 162,479	1/2 3/4	145,522 145,161	1/2	128,205 127,844	1/2	110,871 110,510
3/4 7		3/4 7		3/4 7		3/4		3/4		3/4 7		3/4		3/4 7	•	3/4 7		3/4	
_		_		-	215,016	7	202,362	7	189,691	-	177,000	7	162,118	\vdash	144,801	-	127,483	7	110,148
1/4		1/4		1/4	214,752	1/4	202,098	1/4	189,426	1/4	176,736	1/4	161,757	1/4	144,440	1/4	127,122	1/4	109,787
1/2		1/2	000 000	1/2	214,489	1/2	201,835	1/2	189,162	1/2	176,472	1/2	161,396	1/2	144,079	1/2	126,761	1/2	109,426
3/4	l l	3/4	226,023	3/4	214,225	3/4	201,571	3/4	188,898	3/4	176,207	3/4	161,036	3/4	143,718	3/4	126,400	3/4	109,065
8		8	225,872	8	213,961	8	201,308	8	188,633	8	175,943	8	160,675	8	143,357	8	126,040	8	108,704
1/4		1/4	225,722	1/4	213,698	1/4	201,044	1/4	188,369	1/4	175,678	1/4	160,314	1/4	142,997	1/4	125,679	1/4	108,342
1/2		1/2	225,571	1/2	213,434	1/2	200,780	1/2	188,104	1/2	175,414	1/2	159,953	1/2	142,636	1/2	125,318	1/2	107,981
3/4		3/4	225,420	3/4	213,171	3/4	200,517	3/4	187,840	3/4	175,150	3/4	159,593	3/4	142,275	3/4	124,957	3/4	107,620
9		9	225,225	9	212,907	9	200,253	9	187,576	9	174,885	9	159,232	9	141,914	9	124,596	9	107,259
1/4		1/4	225,030	1/4	212,643	1/4	199,989	1/4	187,311	1/4	174,621	1/4	158,871	1/4	141,554	1/4	124,235	1/4	106,898
1/2		1/2	224,835	1/2	212,380	1/2	199,726	1/2	187,047	1/2	174,356	1/2	158,510	1/2	141,193	1/2	123,874	1/2	106,536
3/4		3/4	224,640	3/4	212,116	3/4	199,462	3/4	186,782	3/4	174,092	3/4	158,149	3/4	140,832	3/4	123,513	3/4	106,175
10		10	224,404	10	211,853	10	199,199	10	186,518	10	173,824	10	157,789	10	140,471	10	123,152	10	105,814
1/4		1/4	224,168	1/4	211,589	1/4	198,935	1/4	186,254	1/4	173,556	1/4	157,428	1/4	140,110	1/4	122,790	1/4	105,453
1/2		1/2	223,932	1/2	211,325	1/2	198,671	1/2	185,989	1/2	173,288	1/2	157,067	1/2	139,750	1/2	122,429	1/2	105,092
3/4		3/4	223,696	3/4	211,062	3/4	198,408	3/4	185,725	3/4	173,020	3/4	156,706	3/4	139,389	3/4	122,068	3/4	104,730
11		11	223,437	11	210,798	11	198,144	11	185,461	11	172,741	11	156,346	11	139,028	11	121,707	11	104,369
1/4		1/4	223,178	1/4	210,534	1/4	197,880	1/4	185,196	1/4	172,461	1/4	155,985	1/4	138,667	1/4	121,346	1/4	104,008
1/2		1/2	222,919	1/2	210,271	1/2	197,617	1/2	184,932	1/2	172,182	1/2	155,624	1/2	138,306	1/2	120,984	1/2	103,647
3/4		3/4	222,661	3/4	210,007	3/4	197,353	3/4	184,667	3/4	171,902	3/4	155,263	3/4	137,946	3/4	120,623	3/4	103,286

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 12'-09" OFF CENTERLINE AND 49'-09" FORWARD OF AFT BULKHEAD.

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

The Seams



3 STBD **ULLAGE TABLE**

CAPACI	TIES GIVEN IN WE	HOLE GALI															GAUGE HEIGHT	
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. ℕ	19 FT.
0	102,924	0	85,587	0	68,249	0	50,916	0	33,593	0	16,256	0		0		0	0	
1/4	102,563	1/4	85,226	1/4	67,888	1/4	50,555	1/4	33,231	1/4	15,894	1/4		1/4	•	1/4	1/4	
1/2	102,202	1/2	84,865	1/2	67,527	1/2	50,194	1/2	32,870	1/2	15,533	1/2		1/2		1/2	1/2	
3/4	101,841	3/4	84,503	3/4	67,166	3/4	49,833	3/4	32,509	3/4	15,172	3/4		3/4		3/4	3/4	
1	101,480	1	84,142	1	66,805	1	49,473	1	32,148	1	14,811	1		1		1	1	
1/4	101,118	1/4	83,781	1/4	66,443	1/4	49,112	1/4	31,787	1/4	14,450	1/4		1/4		1/4	1/4	
1/2	100,757	1/2	83,420	1/2	66,082	1/2	48,751	1/2	31,425	1/2	14,088	1/2		1/2		1/2	1/2	
3/4	100,396	3/4	83,059	3/4	65,721	3/4	48,391	3/4	31,064	3/4	13,727	3/4		3/4		3/4	3/4	
2	100,035	2	82,697	2	65,360	2	48,030	2	30,703	2	13,366	2		2		2	2	
1/4	99,674	1/4	82,336	1/4	64,999	1/4	47,669	1/4	30,342	1/4	13,005	1/4		1/4		1/4	1/4	
1/2	99,312	1/2	81,975	1/2	64,637	1/2	47,308	1/2	29,981	1/2	12,644	1/2		1/2		1/2	1/2	
3/4	98,951	3/4	81,614	3/4	64,276	3/4	46,948	3/4	29,619	3/4	12,282	3/4		3/4		3/4	3/4	
3	98,590	3	81,253	3	63,915	3	46,587	3	29,258	3	11,921	3		3		3	3	
1/4	98,229	1/4	80,891	1/4	63,554	1/4	46,226	1/4	28,897	1/4	11,560	1/4		1/4		1/4	1/4	
1/2	97,868	1/2	80,530	1/2	63,193	1/2	45,866	1/2	28,536	1/2	11,199	1/2		1/2		1/2	1/2	
3/4	97,506	3/4	80,169	3/4	62,831	3/4	45,505	3/4	28,175	3/4	10,838	3/4		3/4		3/4	3/4	
4	97,145	4	79,808	4	62,470	4	45,144	4	27,814	4	10,476	4		4		4	4	
1/4	96,784	1/4	79,447	1/4	62,109	1/4	44,784	1/4	27,452	1/4	10,115	1/4		1/4		1/4	1/4	
1/2	96,423	1/2	79,085	1/2	61,748	1/2	44,423	1/2	27,091	1/2	9,754	1/2		1/2		1/2	1/2	
3/4	96,062	3/4	78,724	3/4	61,387	3/4	44,062	3/4	26,730	3/4	9,393	3/4		3/4		3/4	3/4	
5	95,700	5	78,363	5	61,025	5	43,701	5	26,369	5	9,032	5		5		5	5	
1/4	95,339	1/4	78,002	1/4	60,664	1/4	43,341	1/4	26,008	1/4	8,671	1/4		1/4		1/4	1/4	
1/2	94,978	1/2	77,641	1/2	60,303	1/2	42,980	1/2	25,646	1/2	8,309	1/2		1/2		1/2	1/2	
3/4	94,617	3/4	77,279	3/4	59,942	3/4	42,619	3/4	25,285	3/4	7,948	3/4		3/4		3/4	3/4	
6	94,256	6	76,918	6	59,581	6	42,259	6	24,924	6	7,587	6		6		6	6	
1/4	93,894	1/4	76,557	1/4	59,219	1/4	41,898	1/4	24,563	1/4	7,226	1/4		1/4		1/4	1/4	
1/2	93,533	1/2	76,196	1/2	58,858	1/2	41,537	1/2	24,202	1/2	6,865	1/2		1/2		1/2	1/2	
3/4	93,172	3/4	75,835	3/4	58,497	3/4	41,177	3/4	23,840	3/4	6,504	3/4		3/4		3/4	3/4	
7	92,811	7	75,473	7	58,136	7	40,816	7	23,479	7	6,143	7		7		7	7	
1/4	92,450	1/4	75,112	1/4	57,775	1/4	40,455	1/4	23,118	1/4	5,782	1/4		1/4		1/4	1/4	
1/2	92,088	1/2	74,751	1/2	57,413	1/2	40,094	1/2	22,757	1/2	5,421	1/2		1/2		1/2	1/2	
3/4	91,727	3/4	74,390	3/4	57,052	3/4	39,733	3/4	22,396	3/4	5,060	3/4		3/4		3/4	3/4	
8	91,366	8	74,029	8	56,691	8	39,372	8	22,035	8	4,700	8		8		8	8	
1/4	91,005	1/4	73,667	1/4	56,330	1/4	39,010	1/4	21,673	1/4	4,340	1/4		1/4		1/4	1/4	
1/2	90,644	1/2	73,306	1/2	55,969	1/2	38,649	1/2	21,312	1/2	3,980	1/2		1/2		1/2	1/2	
3/4	90,282	3/4	72,945	3/4	55,607	3/4	38,288	3/4	20,951	3/4	3,620	3/4		3/4		3/4	3/4	
9	89,921	9	72,584	9	55,246	9	37,927	9	20,590	9	3,282	9		9		9	9	
1/4	89,560	1/4	72,223	1/4	54,885	1/4	37,566	1/4	20,229	1/4	2,944	1/4		1/4		1/4	1/4	
1/2	89,199	1/2	71,861	1/2	54,524	1/2	37,204	1/2	19,867	1/2	2,607	1/2		1/2		1/2	1/2	
3/4	88,838	3/4	71,500	3/4	54,163	3/4	36,843	3/4	19,506	3/4	2,269	3/4		3/4		3/4	3/4	
10	88,477	10	71,139	10	53,802	10	36,482	10	19,145	10	1,998	10		10		10	10	
1/4	88,115	1/4	70,778	1/4	53,441	1/4	36,121	1/4	18,784	1/4	1,727	1/4		1/4		1/4	1/4	
1/2	87,754	1/2	70,417	1/2	53,080	1/2	35,760	1/2	18,423	1/2	1,456	1/2		1/2		1/2	1/2	
3/4	87,393	3/4	70,055	3/4	52,719	3/4	35,399	3/4	18,061	3/4	1,185	3/4		3/4		3/4	3/4	
11	87,032	11	69,694	11	52,359	11	35,037	11	17,700	11		11		11	_	11	11	
1/4	86,671	1/4	69,333	1/4	51,998	1/4	34,676	1/4	17,339	1/4		1/4		1/4		1/4	1/4	
1/2	86,309	1/2	68,972	1/2	51,637	1/2	34,315	1/2	16,978	1/2		1/2		1/2		1/2	1/2	
	85,948	3/4	68,611	3/4	51,276	3/4	33,954	3/4	16,617	3/4		3/4		3/4		3/4	3/4	

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CANCELS AND SUPERCEDES **ALL PRIOR TO 01/2012**

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-00 3/4"

CAPACI	TIES GIVEN IN WHOLE G	SALLON	IS														GAUGE HEI	GHI	6'-00 3/4"
IN	0 FT.	l	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	4,777	0	3,626	0	2,473	0	1,321	0	168	0		0		0	
1/4	1/4	4		1/4	4,754	1/4	3,602	1/4	2,449	1/4	1,297	1/4	144	1/4		1/4		1/4	
1/2	1/2	2		1/2	4,730	1/2	3,578	1/2	2,426	1/2	1,273	1/2	120	1/2		1/2		1/2	
3/4	3/4	4		3/4	4,706	3/4	3,553	3/4	2,402	3/4	1,249	3/4	96	3/4		3/4		3/4	
1	1			1	4,682	1	3,529	1	2,378	1	1,225	1		1		1		1	
1/4	1/4	4		1/4	4,658	1/4	3,505	1/4	2,354	1/4	1,201	1/4		1/4		1/4		1/4	
1/2	1/2	2		1/2	4,634	1/2	3,481	1/2	2,330	1/2	1,177	1/2		1/2		1/2		1/2	
3/4	3/4			3/4	4,610	3/4	3,457	3/4	2,306	3/4	1,153	3/4		3/4		3/4		3/4	
2	2	:		2	4,586	2	3,433	2	2,282	2	1,129	2		2		2		2	
1/4	1/4	4		1/4	4,562	1/4	3,409	1/4	2,258	1/4	1,105	1/4		1/4		1/4		1/4	
1/2	1/2			1/2	4,538	1/2	3,385	1/2	2,234	1/2	1,081	1/2		1/2		1/2		1/2	
3/4	3/4			3/4	4,514	3/4	3,361	3/4	2,210	3/4	1,057	3/4		3/4		3/4		3/4	
3	3	_		3	4,490	3	3,337	3	2,186	3	1,033	3		3		3		3	
1/4	1/4	4		1/4	4,466	1/4	3,313	1/4	2,162	1/4	1,009	1/4		1/4		1/4		1/4	
1/2	1/2			1/2	4,442	1/2	3,289	1/2	2,138	1/2	985	1/2		1/2		1/2		1/2	
3/4	3/4	_		3/4	4,418	3/4	3,265	3/4	2,114	3/4	961	3/4		3/4		3/4		3/4	
4	4	_		4	4,394	4	3,241	4	2,090	4	937	4		4		4		4	
1/4	1/4	_		1/4	4,370	1/4	3,217	1/4	2,066	1/4	913	1/4		1/4		1/4		1/4	
1/2	1/2			1/2	4,346	1/2	3,193	1/2	2,042	1/2	889	1/2		1/2		1/2		1/2	
3/4	3/4	_		3/4	4,322	3/4	3,169	3/4	2.017	3/4	865	3/4		3/4		3/4		3/4	
5	5	_		5	4,298	5	3,145	5	1,993	5	841	5		5		5		5	
1/4	1/4	_		1/4	4,274	1/4	3,121	1/4	1,969	1/4	817	1/4		1/4		1/4		1/4	
1/2	1/2			1/2	4,250	1/2	3,097	1/2	1,945	1/2	793	1/2		1/2		1/2		1/2	
3/4	3/4			3/4	4,226	3/4	3,073	3/4	1,921	3/4	769	3/4		3/4		3/4		3/4	
6	6	_		6	4,202	6	3,049	6	1,897	6	745	6		6		6		6	
1/4	1/4	_		1/4	4,202	1/4	3,025	1/4	1,873	1/4	721	1/4		1/4		1/4		1/4	
1/4	1/2			1/4	4,174	1/4	3,023	1/4	1,849	1/4	697	1/4		1/4		1/4		1/2	
3/4	3/4			3/4	4,130	3/4	2,977	3/4	1,825	3/4	673	3/4		3/4		3/4		3/4	
7	7	_		7	4,106	7	2,953	3/4 7	1,823	7	649	7		7		7		7	
\rightarrow		_		_		-			•	-	625	-						-	
1/4	1/4			1/4	4,082 4.058	1/4	2,929	1/4	1,777	1/4	625	1/4		1/4		1/4		1/4	
1/2	1/2		5,131	1/2	4,034	1/2	2,905 2,881	1/2 3/4	1,753 1,729	1/2	577	1/2 3/4		1/2		1/2 3/4		1/2 3/4	
3/4 8	3/4	_		3/4		3/4 8		3/4		3/4 8	552	3/4 8		3/4 8		3/4 8		3/4 8	
_		_	5,119		4,010		2,857	-	1,705	-						_		_	
1/4	1/4		5,108	1/4	3,986	1/4	2,833	1/4	1,681	1/4	528	1/4		1/4		1/4		1/4	
1/2	1/2	_	5,096	1/2	3,962 3,938	1/2	2,809 2,785	1/2	1,657 1,633	1/2	504 480	1/2		1/2		1/2		1/2	
3/4	3/4	_	5,084	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	9	_	5,061	9	3,914	9	2,761	9	1,609	9	456	9		9		9		9	
1/4	1/4		5,037	1/4	3,890	1/4	2,737	1/4	1,585	1/4	432	1/4		1/4		1/4		1/4	
1/2	1/2		5,014	1/2	3,866	1/2	2,713	1/2	1,561	1/2	408	1/2		1/2		1/2		1/2	
3/4	3/4	_	4,990	3/4	3,842	3/4	2,689	3/4	1,537	3/4	384	3/4		3/4		3/4		3/4	
10	10	_	4,967	10	3,818	10	2,665	10	1,513	10	360	10		10		10		10	
1/4	1/4		4,943	1/4	3,794	1/4	2,641	1/4	1,489	1/4	336	1/4		1/4		1/4		1/4	
1/2	1/2		4,919	1/2	3,770	1/2	2,617	1/2	1,465	1/2	312	1/2		1/2		1/2		1/2	
3/4	3/4	_	4,896	3/4	3,746	3/4	2,593	3/4	1,441	3/4	288	3/4		3/4		3/4		3/4	
11	11	1	4,872	11	3,722	11	2,569	11	1,417	11	264	11		11		11		11	
1/4	1/4	4	4,848	1/4	3,698	1/4	2,545	1/4	1,393	1/4	240	1/4		1/4		1/4		1/4	
1/2	1/2		4,825	1/2	3,674	1/2	2,521	1/2	1,369	1/2	216	1/2		1/2		1/2		1/2	
3/4	3/4	4	4,801	3/4	3,650	3/4	2,497	3/4	1,345	3/4	192	3/4		3/4	OFFICI	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.

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CANCELS AND SUPERCEDES ALL PRIOR TO 01/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 1/4"

	IES 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. N	9 FT.
0		0		0	4,825	0	3,674	0	2,521	0	1,369	0	216	0		0	0	
1/4		1/4		1/4	4,801	1/4	3,650	1/4	2,497	1/4	1,345	1/4	192	1/4		1/4	1/4	
1/2		1/2		1/2	4,777	1/2	3,626	1/2	2,473	1/2	1,321	1/2	168	1/2		1/2	1/2	
3/4		3/4		3/4	4,754	3/4	3,602	3/4	2,449	3/4	1,297	3/4	144	3/4		3/4	3/4	
1		1		1	4,730	1	3,578	1	2,426	1	1,273	1	120	1		1	1	
1/4		1/4		1/4	4,706	1/4	3,553	1/4	2,402	1/4	1,249	1/4	96	1/4		1/4	1/4	
1/2		1/2		1/2	4,682	1/2	3,529	1/2	2,378	1/2	1,225	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,658	3/4	3,505	3/4	2,354	3/4	1,201	3/4		3/4		3/4	3/4	
2		2		2	4,634	2	3,481	2	2,330	2	1,177	2		2		2	2	
1/4		1/4		1/4	4,610	1/4	3,457	1/4	2,306	1/4	1,153	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,586	1/2	3,433	1/2	2,282	1/2	1,129	1/4		1/2		1/2	1/2	
3/4		3/4		3/4	4,562	3/4	3,409	3/4	2,258	3/4	1,105	3/4		3/4		3/4	3/4	
3		3		3	4,538	3	3,385	3	2,234	3	1,081	3		3		3	3/4	
_		\rightarrow		-	4,514		3,361		2,210	_	1,057	\rightarrow						
1/4		1/4		1/4	4,514	1/4		1/4		1/4	1,037	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,490	1/2	3,337 3,313	1/2	2,186 2,162	1/2	1,033	1/2		1/2		1/2	1/2	-
3/4		3/4		3/4	,	3/4	,	3/4		3/4		3/4		3/4	•	3/4 4	3/4	
4		4		4	4,442	4	3,289	4	2,138	4	985	4		4			4	
1/4		1/4		1/4	4,418	1/4	3,265	1/4	2,114	1/4	961	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,394	1/2	3,241	1/2	2,090	1/2	937	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,370	3/4	3,217	3/4	2,066	3/4	913	3/4		3/4		3/4	3/4	
5		5		5	4,346	5	3,193	5	2,042	5	889	5		5		5	5	
/4		1/4		1/4	4,322	1/4	3,169	1/4	2,017	1/4	865	1/4		1/4		1/4	1/4	
/2		1/2		1/2	4,298	1/2	3,145	1/2	1,993	1/2	841	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,274	3/4	3,121	3/4	1,969	3/4	817	3/4		3/4		3/4	3/4	
6		6		6	4,250	6	3,097	6	1,945	6	793	6		6		6	6	
1/4		1/4		1/4	4,226	1/4	3,073	1/4	1,921	1/4	769	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,202	1/2	3,049	1/2	1,897	1/2	745	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,178	3/4	3,025	3/4	1,873	3/4	721	3/4		3/4		3/4	3/4	
7		7		7	4,154	7	3,001	7	1,849	7	697	7		7		7	7	
1/4		1/4		1/4	4,130	1/4	2.977	1/4	1.825	1/4	673	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,106	1/2	2,953	1/2	1,801	1/2	649	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,082	3/4	2,929	3/4	1,777	3/4	625	3/4		3/4		3/4	3/4	
8		8		8	4,058	8	2,905	8	1,753	8	601	8		8		8	8	
/4		1/4	5,131	1/4	4,034	1/4	2,881	1/4	1,729	1/4	577	1/4		1/4		1/4	1/4	1
1/2		1/4	5,119	1/4	4,010	1/4	2,857	1/4	1,705	1/4	552	1/4		1/4		1/4	1/4	
3/4		3/4	5,119	3/4	3,986	3/4	2,833	3/4	1,681	3/4	528	3/4		3/4		3/4	3/4	
9		9	5,096	9	3,962	9	2,809	9	1,657	9	504	9		9		9	3/4	
_		_										_				_		_
1/4		1/4	5,084	1/4	3,938	1/4	2,785	1/4	1,633	1/4	480	1/4		1/4		1/4	1/4	
/2		1/2	5,061	1/2	3,914	1/2	2,761	1/2	1,609	1/2	456	1/2		1/2		1/2	1/2	-
/4		3/4	5,037	3/4	3,890	3/4	2,737	3/4	1,585	3/4	432	3/4		3/4	ı	3/4	3/4	
0		10	5,014	10	3,866	10	2,713	10	1,561	10	408	10		10		10	10	<u> </u>
/4		1/4	4,990	1/4	3,842	1/4	2,689	1/4	1,537	1/4	384	1/4		1/4		1/4	1/4	
/2		1/2	4,967	1/2	3,818	1/2	2,665	1/2	1,513	1/2	360	1/2		1/2		1/2	1/2	
3/4		3/4	4,943	3/4	3,794	3/4	2,641	3/4	1,489	3/4	336	3/4		3/4		3/4	3/4	
11		11	4,919	11	3,770	11	2,617	11	1,465	11	312	11		11		11	11	
1/4		1/4	4,896	1/4	3,746	1/4	2,593	1/4	1,441	1/4	288	1/4		1/4		1/4	1/4	
1/2		1/2	4,872	1/2	3,722	1/2	2,569	1/2	1,417	1/2	264	1/2		1/2		1/2	1/2	
3/4		3/4	4,848	3/4	3,698	3/4	2,545	3/4	1,393	3/4	240	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.

STRAPPED: 01/30/2012 CL - SW CALCULATED: 01/30/2012 CL PRINTED: 01/30/2012 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 01/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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