



BARGE "DBL 109"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
2 CENTER	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	00-1/8	- 00-1/8
3 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8

(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 CENTER IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 160'-06"

April 24, 2015

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "DBL 109"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 1/2"

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		0		0		0	148,463	0	137,926	0	127,337	0	116,748	0	106,158
1/4		1/4		1/4		1/4		1/4		1/4	148,244	1/4	137,706	1/4	127,116	1/4	116,527	1/4	105,938
1/2		1/2		1/2		1/2		1/2		1/2	148,026	1/2	137,485	1/2	126,896	1/2	116,306	1/2	105,717
3/4		3/4		3/4		3/4		3/4		3/4	147,807	3/4	137,264	3/4	126,675	3/4	116,086	3/4	105,496
1		1		1		1		1		1	147,588	1	137,044	1	126,454	1	115,865	1	105,276
1/4		1/4		1/4		1/4		1/4		1/4	147,370	1/4	136,823	1/4	126,234	1/4	115,644	1/4	105,055
1/2		1/2		1/2		1/2		1/2		1/2	147,151	1/2	136,603	1/2	126,013	1/2	115,424	1/2	104,834
3/4		3/4		3/4		3/4		3/4		3/4	146,933	3/4	136,382	3/4	125,793	3/4	115,203	3/4	104,614
2		2		2		2		2		2	146,714	2	136,161	2	125,572	2	114,983	2	104,393
1/4		1/4		1/4		1/4		1/4		1/4	146,496	1/4	135,941	1/4	125,351	1/4	114,762	1/4	104,173
1/2		1/2		1/2		1/2		1/2	155,661	1/2	146,277	1/2	135,720	1/2	125,131	1/2	114,541	1/2	103,952
3/4		3/4		3/4		3/4		3/4	155,617	3/4	146,058	3/4	135,500	3/4	124,910	3/4	114,321	3/4	103,731
3		3		3		3		3	155,573	3	145,840	3	135,279	3	124,690	3	114,100	3	103,511
1/4		1/4		1/4		1/4		1/4	155,529	1/4	145,621	1/4	135,058	1/4	124,469	1/4	113,880	1/4	103,290
1/2		1/2		1/2		1/2		1/2	155,485	1/2	145,403	1/2	134,838	1/2	124,248	1/2	113,659	1/2	103,070
3/4		3/4		3/4		3/4		3/4	155,357	3/4	145,184	3/4	134,617	3/4	124,028	3/4	113,438	3/4	102,849
4		4		4		4		4	155,230	4	144,966	4	134,397	4	123,807	4	113,218	4	102,628
1/4		1/4		1/4		1/4		1/4	155,102	1/4	144,747	1/4	134,176	1/4	123,587	1/4	112,997	1/4	102,408
1/2		1/2		1/2		1/2		1/2	154,975	1/2	144,528	1/2	133,955	1/2	123,366	1/2	112,777	1/2	102,187
3/4		3/4		3/4		3/4		3/4	154,759	3/4	144,310	3/4	133,735	3/4	123,145	3/4	112,556	3/4	101,967
5		5		5		5		5	154,543	5	144,091	5	133,514	5	122,925	5	112,335	5	101,746
1/4		1/4		1/4		1/4		1/4	154,328	1/4	143,873	1/4	133,293	1/4	122,704	1/4	112,115	1/4	101,525
1/2		1/2		1/2		1/2		1/2	154,112	1/2	143,654	1/2	133,073	1/2	122,483	1/2	111,894	1/2	101,305
3/4		3/4		3/4		3/4		3/4	153,896	3/4	143,436	3/4	132,852	3/4	122,263	3/4	111,673	3/4	101,084
6		6		6		6		6	153,680	6	143,217	6	132,632	6	122,042	6	111,453	6	100,863
1/4		1/4		1/4		1/4		1/4	153,465	1/4	142,998	1/4	132,411	1/4	121,822	1/4	111,232	1/4	100,643
1/2		1/2		1/2		1/2		1/2	153,249	1/2	142,780	1/2	132,190	1/2	121,601	1/2	111,012	1/2	100,422
3/4		3/4		3/4		3/4		3/4	153,033	3/4	142,559	3/4	131,970	3/4	121,380	3/4	110,791	3/4	100,202
7		7		7		7		7	152,817	7	142,339	7	131,749	7	121,160	7	110,570	7	99,981
1/4		1/4		1/4		1/4		1/4	152,602	1/4	142,118	1/4	131,529	1/4	120,939	1/4	110,350	1/4	99,760
1/2		1/2		1/2		1/2		1/2	152,386	1/2	141,897	1/2	131,308	1/2	120,719	1/2	110,129	1/2	99,540
3/4		3/4		3/4		3/4		3/4	152,170	3/4	141,677	3/4	131,087	3/4	120,498	3/4	109,909	3/4	99,319
8		8		8		8		8	151,954	8	141,456	8	130,867	8	120,277	8	109,688	8	99,099
1/4		1/4		1/4		1/4		1/4	151,739	1/4	141,236	1/4	130,646	1/4	120,057	1/4	109,467	1/4	98,878
1/2		1/2		1/2		1/2		1/2	151,523	1/2	141,015	1/2	130,426	1/2	119,836	1/2	109,247	1/2	98,657
3/4		3/4		3/4		3/4		3/4	151,304	3/4	140,794	3/4	130,205	3/4	119,616	3/4	109,026	3/4	98,437
9		9		9		9		9	151,086	9	140,574	9	129,984	9	119,395	9	108,806	9	98,216
1/4		1/4		1/4		1/4		1/4	150,867	1/4	140,353	1/4	129,764	1/4	119,174	1/4	108,585	1/4	97,996
1/2		1/2		1/2		1/2		1/2	150,648	1/2	140,132	1/2	129,543	1/2	118,954	1/2	108,364	1/2	97,775
3/4		3/4		3/4		3/4		3/4	150,430	3/4	139,912	3/4	129,322	3/4	118,733	3/4	108,144	3/4	97,554
10		10		10		10		10	150,211	10	139,691	10	129,102	10	118,512	10	107,923	10	97,334
1/4		1/4		1/4		1/4		1/4	149,993	1/4	139,471	1/4	128,881	1/4	118,292	1/4	107,702	1/4	97,113
1/2		1/2		1/2		1/2		1/2	149,774	1/2	139,250	1/2	128,661	1/2	118,071	1/2	107,482	1/2	96,892
3/4		3/4		3/4		3/4		3/4	149,556	3/4	139,029	3/4	128,440	3/4	117,851	3/4	107,261	3/4	96,672
11		11		11		11		11	149,337	11	138,809	11	128,219	11	117,630	11	107,041	11	96,451
1/4		1/4		1/4		1/4		1/4	149,118	1/4	138,588	1/4	127,999	1/4	117,409	1/4	106,820	1/4	96,231
1/2		1/2		1/2		1/2		1/2	148,900	1/2	138,368	1/2	127,778	1/2	117,189	1/2	106,599	1/2	96,010
3/4		3/4		3/4		3/4		3/4	148,681	3/4	138,147	3/4	127,558	3/4	116,968	3/4	106,379	3/4	95,789

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "DBL 109"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 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	95,569	0	84,979	0	74,386	0	63,792	0	53,197	0	42,603	0	32,008	0	21,414	0	10,842	0	469
1/4	95,348	1/4	84,759	1/4	74,166	1/4	63,571	1/4	52,977	1/4	42,382	1/4	31,788	1/4	21,193	1/4	10,622	1/4	336
1/2	95,128	1/2	84,538	1/2	73,945	1/2	63,350	1/2	52,756	1/2	42,161	1/2	31,567	1/2	20,973	1/2	10,401	1/2	204
3/4	94,907	3/4	84,318	3/4	73,724	3/4	63,130	3/4	52,535	3/4	41,941	3/4	31,346	3/4	20,752	3/4	10,180	3/4	160
1	94,686	1	84,097	1	73,504	1	62,909	1	52,315	1	41,720	1	31,126	1	20,531	1	9,959	1	116
1/4	94,466	1/4	83,876	1/4	73,283	1/4	62,688	1/4	52,094	1/4	41,499	1/4	30,905	1/4	20,310	1/4	9,739	1/4	71
1/2	94,245	1/2	83,656	1/2	73,062	1/2	62,468	1/2	51,873	1/2	41,279	1/2	30,684	1/2	20,090	1/2	9,518	1/2	27
3/4	94,024	3/4	83,435	3/4	72,841	3/4	62,247	3/4	51,652	3/4	41,058	3/4	30,463	3/4	19,869	3/4	9,297	3/4	
2	93,804	2	83,214	2	72,621	2	62,026	2	51,432	2	40,837	2	30,243	2	19,649	2	9,077	2	
1/4	93,583	1/4	82,994	1/4	72,400	1/4	61,805	1/4	51,211	1/4	40,616	1/4	30,022	1/4	19,429	1/4	8,856	1/4	
1/2	93,363	1/2	82,773	1/2	72,179	1/2	61,585	1/2	50,990	1/2	40,396	1/2	29,801	1/2	19,208	1/2	8,635	1/2	
3/4	93,142	3/4	82,553	3/4	71,958	3/4	61,364	3/4	50,770	3/4	40,175	3/4	29,581	3/4	18,988	3/4	8,414	3/4	
3	92,921	3	82,332	3	71,738	3	61,143	3	50,549	3	39,954	3	29,360	3	18,768	3	8,194	3	
1/4	92,701	1/4	82,111	1/4	71,517	1/4	60,923	1/4	50,328	1/4	39,734	1/4	29,139	1/4	18,548	1/4	7,973	1/4	
1/2	92,480	1/2	81,891	1/2	71,296	1/2	60,702	1/2	50,107	1/2	39,513	1/2	28,918	1/2	18,328	1/2	7,752	1/2	
3/4	92,260	3/4	81,670	3/4	71,076	3/4	60,481	3/4	49,887	3/4	39,292	3/4	28,698	3/4	18,108	3/4	7,532	3/4	
4	92,039	4	81,449	4	70,855	4	60,260	4	49,666	4	39,071	4	28,477	4	17,888	4	7,311	4	
1/4	91,818	1/4	81,229	1/4	70,634	1/4	60,040	1/4	49,445	1/4	38,851	1/4	28,256	1/4	17,668	1/4	7,090	1/4	
1/2	91,598	1/2	81,008	1/2	70,413	1/2	59,819	1/2	49,224	1/2	38,630	1/2	28,036	1/2	17,447	1/2	6,869	1/2	
3/4	91,377	3/4	80,787	3/4	70,193	3/4	59,598	3/4	49,004	3/4	38,409	3/4	27,815	3/4	17,227	3/4	6,649	3/4	
5	91,157	5	80,566	5	69,972	5	59,378	5	48,783	5	38,189	5	27,594	5	17,007	5	6,428	5	
1/4	90,936	1/4	80,346	1/4	69,751	1/4	59,157	1/4	48,562	1/4	37,968	1/4	27,373	1/4	16,787	1/4	6,207	1/4	
1/2	90,715	1/2	80,125	1/2	69,531	1/2	58,936	1/2	48,342	1/2	37,747	1/2	27,153	1/2	16,567	1/2	5,987	1/2	
3/4	90,495	3/4	79,904	3/4	69,310	3/4	58,715	3/4	48,121	3/4	37,526	3/4	26,932	3/4	16,347	3/4	5,766	3/4	
6	90,274	6	79,684	6	69,089	6	58,495	6	47,900	6	37,306	6	26,711	6	16,127	6	5,545	6	
1/4	90,053	1/4	79,463	1/4	68,868	1/4	58,274	1/4	47,679	1/4	37,085	1/4	26,490	1/4	15,907	1/4	5,325	1/4	
1/2	89,833	1/2	79,242	1/2	68,648	1/2	58,053	1/2	47,459	1/2	36,864	1/2	26,270	1/2	15,687	1/2	5,104	1/2	
3/4	89,612	3/4	79,021	3/4	68,427	3/4	57,833	3/4	47,238	3/4	36,644	3/4	26,049	3/4	15,467	3/4	4,883	3/4	
7	89,392	7	78,801	7	68,206	7	57,612	7	47,017	7	36,423	7	25,828	7	15,246	7	4,662	7	
1/4	89,171	1/4	78,580	1/4	67,986	1/4	57,391	1/4	46,797	1/4	36,202	1/4	25,608	1/4	15,026	1/4	4,442	1/4	
1/2	88,950	1/2	78,359	1/2	67,765	1/2	57,170	1/2	46,576	1/2	35,981	1/2	25,387	1/2	14,806	1/2	4,221	1/2	
3/4	88,730	3/4	78,139	3/4	67,544	3/4	56,950	3/4	46,355	3/4	35,761	3/4	25,166	3/4	14,586	3/4	4,000	3/4	
8	88,509	8	77,918	8	67,323	8	56,729	8	46,134	8	35,540	8	24,945	8	14,366	8	3,780	8	
1/4	88,289	1/4	77,697	1/4	67,103	1/4	56,508	1/4	45,914	1/4	35,319	1/4	24,725	1/4	14,146	1/4	3,559	1/4	
1/2	88,068	1/2	77,476	1/2	66,882	1/2	56,287	1/2	45,693	1/2	35,099	1/2	24,504	1/2	13,926	1/2	3,338	1/2	
3/4	87,847	3/4	77,256	3/4	66,661	3/4	56,067	3/4	45,472	3/4	34,878	3/4	24,283	3/4	13,706	3/4	3,117	3/4	
9	87,627	9	77,035	9	66,441	9	55,846	9	45,252	9	34,657	9	24,063	9	13,486	9	2,897	9	
1/4	87,406	1/4	76,814	1/4	66,220	1/4	55,625	1/4	45,031	1/4	34,436	1/4	23,842	1/4	13,266	1/4	2,676	1/4	
1/2	87,186	1/2	76,594	1/2	65,999	1/2	55,405	1/2	44,810	1/2	34,216	1/2	23,621	1/2	13,045	1/2	2,455	1/2	
3/4	86,965	3/4	76,373	3/4	65,778	3/4	55,184	3/4	44,589	3/4	33,995	3/4	23,400	3/4	12,825	3/4	2,235	3/4	
10	86,744	10	76,152	10	65,558	10	54,963	10	44,369	10	33,774	10	23,180	10	12,605	10	2,014	10	
1/4	86,524	1/4	75,931	1/4	65,337	1/4	54,742	1/4	44,148	1/4	33,553	1/4	22,959	1/4	12,385	1/4	1,793	1/4	
1/2	86,303	1/2	75,711	1/2	65,116	1/2	54,522	1/2	43,927	1/2	33,333	1/2	22,738	1/2	12,165	1/2	1,572	1/2	
3/4	86,082	3/4	75,490	3/4	64,895	3/4	54,301	3/4	43,707	3/4	33,112	3/4	22,518	3/4	11,945	3/4	1,363	3/4	
11	85,862	11	75,269	11	64,675	11	54,080	11	43,486	11	32,891	11	22,297	11	11,724	11	1,153	11	
1/4	85,641	1/4	75,049	1/4	64,454	1/4	53,860	1/4	43,265	1/4	32,671	1/4	22,076	1/4	11,504	1/4	943	1/4	
1/2	85,421	1/2	74,828	1/2	64,233	1/2	53,639	1/2	43,044	1/2	32,450	1/2	21,855	1/2	11,284	1/2	734	1/2	
3/4	85,200	3/4	74,607	3/4	64,013	3/4	53,418	3/4	42,824	3/4	32,229	3/4	21,635	3/4	11,063	3/4	601	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2015 SW
CALCULATED: 04/23/2015 CL
PRINTED: 04/24/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 109"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 1/2"

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		0		0		0	168,337	0	156,368	0	144,340	0	132,311	0	120,282
1/4		1/4		1/4		1/4		1/4		1/4	168,088	1/4	156,118	1/4	144,089	1/4	132,060	1/4	120,032
1/2		1/2		1/2		1/2		1/2		1/2	167,840	1/2	155,867	1/2	143,838	1/2	131,810	1/2	119,781
3/4		3/4		3/4		3/4		3/4		3/4	167,592	3/4	155,617	3/4	143,588	3/4	131,559	3/4	119,530
1		1		1		1		1		1	167,343	1	155,366	1	143,337	1	131,309	1	119,280
1/4		1/4		1/4		1/4		1/4		1/4	167,095	1/4	155,115	1/4	143,087	1/4	131,058	1/4	119,029
1/2		1/2		1/2		1/2		1/2		1/2	166,847	1/2	154,865	1/2	142,836	1/2	130,807	1/2	118,779
3/4		3/4		3/4		3/4		3/4		3/4	166,599	3/4	154,614	3/4	142,585	3/4	130,557	3/4	118,528
2		2		2		2		2		2	166,350	2	154,364	2	142,335	2	130,306	2	118,277
1/4		1/4		1/4		1/4		1/4		1/4	166,102	1/4	154,113	1/4	142,084	1/4	130,056	1/4	118,027
1/2		1/2		1/2		1/2		1/2	176,513	1/2	165,854	1/2	153,862	1/2	141,834	1/2	129,805	1/2	117,776
3/4		3/4		3/4		3/4		3/4	176,463	3/4	165,606	3/4	153,612	3/4	141,583	3/4	129,554	3/4	117,526
3		3		3		3		3	176,413	3	165,357	3	153,361	3	141,333	3	129,304	3	117,275
1/4		1/4		1/4		1/4		1/4	176,362	1/4	165,109	1/4	153,111	1/4	141,082	1/4	129,053	1/4	117,024
1/2		1/2		1/2		1/2		1/2	176,312	1/2	164,861	1/2	152,860	1/2	140,831	1/2	128,803	1/2	116,774
3/4		3/4		3/4		3/4		3/4	176,168	3/4	164,613	3/4	152,609	3/4	140,581	3/4	128,552	3/4	116,523
4		4		4		4		4	176,023	4	164,364	4	152,359	4	140,330	4	128,301	4	116,273
1/4		1/4		1/4		1/4		1/4	175,878	1/4	164,116	1/4	152,108	1/4	140,080	1/4	128,051	1/4	116,022
1/2		1/2		1/2		1/2		1/2	175,733	1/2	163,868	1/2	151,858	1/2	139,829	1/2	127,800	1/2	115,771
3/4		3/4		3/4		3/4		3/4	175,488	3/4	163,619	3/4	151,607	3/4	139,578	3/4	127,550	3/4	115,521
5		5		5		5		5	175,243	5	163,371	5	151,356	5	139,328	5	127,299	5	115,270
1/4		1/4		1/4		1/4		1/4	174,998	1/4	163,123	1/4	151,106	1/4	139,077	1/4	127,048	1/4	115,020
1/2		1/2		1/2		1/2		1/2	174,753	1/2	162,875	1/2	150,855	1/2	138,827	1/2	126,798	1/2	114,769
3/4		3/4		3/4		3/4		3/4	174,508	3/4	162,626	3/4	150,605	3/4	138,576	3/4	126,547	3/4	114,519
6		6		6		6		6	174,263	6	162,378	6	150,354	6	138,325	6	126,297	6	114,268
1/4		1/4		1/4		1/4		1/4	174,018	1/4	162,130	1/4	150,103	1/4	138,075	1/4	126,046	1/4	114,017
1/2		1/2		1/2		1/2		1/2	173,773	1/2	161,882	1/2	149,853	1/2	137,824	1/2	125,795	1/2	113,767
3/4		3/4		3/4		3/4		3/4	173,528	3/4	161,631	3/4	149,602	3/4	137,574	3/4	125,545	3/4	113,516
7		7		7		7		7	173,283	7	161,380	7	149,352	7	137,323	7	125,294	7	113,266
1/4		1/4		1/4		1/4		1/4	173,038	1/4	161,130	1/4	149,101	1/4	137,072	1/4	125,044	1/4	113,015
1/2		1/2		1/2		1/2		1/2	172,793	1/2	160,879	1/2	148,850	1/2	136,822	1/2	124,793	1/2	112,764
3/4		3/4		3/4		3/4		3/4	172,548	3/4	160,629	3/4	148,600	3/4	136,571	3/4	124,542	3/4	112,514
8		8		8		8		8	172,302	8	160,378	8	148,349	8	136,321	8	124,292	8	112,263
1/4		1/4		1/4		1/4		1/4	172,057	1/4	160,127	1/4	148,099	1/4	136,070	1/4	124,041	1/4	112,013
1/2		1/2		1/2		1/2		1/2	171,812	1/2	159,877	1/2	147,848	1/2	135,819	1/2	123,791	1/2	111,762
3/4		3/4		3/4		3/4		3/4	171,564	3/4	159,626	3/4	147,597	3/4	135,569	3/4	123,540	3/4	111,511
9		9		9		9		9	171,316	9	159,376	9	147,347	9	135,318	9	123,289	9	111,261
1/4		1/4		1/4		1/4		1/4	171,068	1/4	159,125	1/4	147,096	1/4	135,068	1/4	123,039	1/4	111,010
1/2		1/2		1/2		1/2		1/2	170,819	1/2	158,874	1/2	146,846	1/2	134,817	1/2	122,788	1/2	110,760
3/4		3/4		3/4		3/4		3/4	170,571	3/4	158,624	3/4	146,595	3/4	134,566	3/4	122,538	3/4	110,509
10		10		10		10		10	170,323	10	158,373	10	146,344	10	134,316	10	122,287	10	110,258
1/4		1/4		1/4		1/4		1/4	170,074	1/4	158,123	1/4	146,094	1/4	134,065	1/4	122,036	1/4	110,008
1/2		1/2		1/2		1/2		1/2	169,826	1/2	157,872	1/2	145,843	1/2	133,815	1/2	121,786	1/2	109,757
3/4		3/4		3/4		3/4		3/4	169,578	3/4	157,621	3/4	145,593	3/4	133,564	3/4	121,535	3/4	109,507
11		11		11		11		11	169,330	11	157,371	11	145,342	11	133,313	11	121,285	11	109,256
1/4		1/4		1/4		1/4		1/4	169,081	1/4	157,120	1/4	145,091	1/4	133,063	1/4	121,034	1/4	109,005
1/2		1/2		1/2		1/2		1/2	168,833	1/2	156,870	1/2	144,841	1/2	132,812	1/2	120,783	1/2	108,755
3/4		3/4		3/4		3/4		3/4	168,585	3/4	156,619	3/4	144,590	3/4	132,562	3/4	120,533	3/4	108,504

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "DBL 109"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 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	108,254	0	96,225	0	84,192	0	72,157	0	60,123	0	48,088	0	36,054	0	24,019	0	12,294	0	529
1/4	108,003	1/4	95,974	1/4	83,941	1/4	71,907	1/4	59,872	1/4	47,838	1/4	35,803	1/4	23,769	1/4	12,051	1/4	378
1/2	107,752	1/2	95,724	1/2	83,691	1/2	71,656	1/2	59,622	1/2	47,587	1/2	35,553	1/2	23,518	1/2	11,808	1/2	228
3/4	107,502	3/4	95,473	3/4	83,440	3/4	71,405	3/4	59,371	3/4	47,336	3/4	35,302	3/4	23,267	3/4	11,557	3/4	178
1	107,251	1	95,222	1	83,189	1	71,155	1	59,120	1	47,086	1	35,051	1	23,017	1	11,307	1	128
1/4	107,001	1/4	94,972	1/4	82,938	1/4	70,904	1/4	58,869	1/4	46,835	1/4	34,800	1/4	22,766	1/4	11,056	1/4	77
1/2	106,750	1/2	94,721	1/2	82,688	1/2	70,653	1/2	58,619	1/2	46,584	1/2	34,550	1/2	22,515	1/2	10,806	1/2	27
3/4	106,499	3/4	94,471	3/4	82,437	3/4	70,402	3/4	58,368	3/4	46,333	3/4	34,299	3/4	22,264	3/4	10,555	3/4	
2	106,249	2	94,220	2	82,186	2	70,152	2	58,117	2	46,083	2	34,048	2	22,014	2	10,305	2	
1/4	105,998	1/4	93,969	1/4	81,936	1/4	69,901	1/4	57,867	1/4	45,832	1/4	33,797	1/4	21,763	1/4	10,054	1/4	
1/2	105,748	1/2	93,719	1/2	81,685	1/2	69,650	1/2	57,616	1/2	45,581	1/2	33,547	1/2	21,512	1/2	9,804	1/2	
3/4	105,497	3/4	93,468	3/4	81,434	3/4	69,400	3/4	57,365	3/4	45,331	3/4	33,296	3/4	21,270	3/4	9,553	3/4	
3	105,246	3	93,218	3	81,183	3	69,149	3	57,114	3	45,080	3	33,045	3	21,027	3	9,302	3	
1/4	104,996	1/4	92,967	1/4	80,933	1/4	68,898	1/4	56,864	1/4	44,829	1/4	32,795	1/4	20,785	1/4	9,052	1/4	
1/2	104,745	1/2	92,716	1/2	80,682	1/2	68,647	1/2	56,613	1/2	44,578	1/2	32,544	1/2	20,542	1/2	8,801	1/2	
3/4	104,495	3/4	92,466	3/4	80,431	3/4	68,397	3/4	56,362	3/4	44,328	3/4	32,293	3/4	20,300	3/4	8,551	3/4	
4	104,244	4	92,215	4	80,181	4	68,146	4	56,111	4	44,077	4	32,042	4	20,057	4	8,300	4	
1/4	103,993	1/4	91,964	1/4	79,930	1/4	67,895	1/4	55,861	1/4	43,826	1/4	31,792	1/4	19,815	1/4	8,050	1/4	
1/2	103,743	1/2	91,714	1/2	79,679	1/2	67,645	1/2	55,610	1/2	43,576	1/2	31,541	1/2	19,572	1/2	7,799	1/2	
3/4	103,492	3/4	91,463	3/4	79,428	3/4	67,394	3/4	55,359	3/4	43,325	3/4	31,290	3/4	19,330	3/4	7,548	3/4	
5	103,242	5	91,212	5	79,178	5	67,143	5	55,109	5	43,074	5	31,040	5	19,087	5	7,298	5	
1/4	102,991	1/4	90,961	1/4	78,927	1/4	66,892	1/4	54,858	1/4	42,823	1/4	30,789	1/4	18,845	1/4	7,047	1/4	
1/2	102,740	1/2	90,711	1/2	78,676	1/2	66,642	1/2	54,607	1/2	42,573	1/2	30,538	1/2	18,602	1/2	6,797	1/2	
3/4	102,490	3/4	90,460	3/4	78,425	3/4	66,391	3/4	54,356	3/4	42,322	3/4	30,287	3/4	18,360	3/4	6,546	3/4	
6	102,239	6	90,209	6	78,175	6	66,140	6	54,106	6	42,071	6	30,037	6	18,117	6	6,295	6	
1/4	101,989	1/4	89,959	1/4	77,924	1/4	65,890	1/4	53,855	1/4	41,821	1/4	29,786	1/4	17,875	1/4	6,045	1/4	
1/2	101,738	1/2	89,708	1/2	77,673	1/2	65,639	1/2	53,604	1/2	41,570	1/2	29,535	1/2	17,632	1/2	5,794	1/2	
3/4	101,487	3/4	89,457	3/4	77,423	3/4	65,388	3/4	53,354	3/4	41,319	3/4	29,285	3/4	17,389	3/4	5,543	3/4	
7	101,237	7	89,206	7	77,172	7	65,137	7	53,103	7	41,068	7	29,034	7	17,147	7	5,292	7	
1/4	100,986	1/4	88,956	1/4	76,921	1/4	64,887	1/4	52,852	1/4	40,818	1/4	28,783	1/4	16,904	1/4	5,042	1/4	
1/2	100,736	1/2	88,705	1/2	76,670	1/2	64,636	1/2	52,601	1/2	40,567	1/2	28,532	1/2	16,662	1/2	4,791	1/2	
3/4	100,485	3/4	88,454	3/4	76,420	3/4	64,385	3/4	52,351	3/4	40,316	3/4	28,282	3/4	16,419	3/4	4,540	3/4	
8	100,234	8	88,204	8	76,169	8	64,134	8	52,100	8	40,065	8	28,031	8	16,177	8	4,290	8	
1/4	99,984	1/4	87,953	1/4	75,918	1/4	63,884	1/4	51,849	1/4	39,815	1/4	27,780	1/4	15,934	1/4	4,039	1/4	
1/2	99,733	1/2	87,702	1/2	75,668	1/2	63,633	1/2	51,599	1/2	39,564	1/2	27,530	1/2	15,692	1/2	3,788	1/2	
3/4	99,483	3/4	87,451	3/4	75,417	3/4	63,382	3/4	51,348	3/4	39,313	3/4	27,279	3/4	15,449	3/4	3,537	3/4	
9	99,232	9	87,201	9	75,166	9	63,132	9	51,097	9	39,063	9	27,028	9	15,207	9	3,287	9	
1/4	98,981	1/4	86,950	1/4	74,915	1/4	62,881	1/4	50,846	1/4	38,812	1/4	26,777	1/4	14,964	1/4	3,036	1/4	
1/2	98,731	1/2	86,699	1/2	74,665	1/2	62,630	1/2	50,596	1/2	38,561	1/2	26,527	1/2	14,722	1/2	2,785	1/2	
3/4	98,480	3/4	86,448	3/4	74,414	3/4	62,379	3/4	50,345	3/4	38,310	3/4	26,276	3/4	14,479	3/4	2,535	3/4	
10	98,230	10	86,198	10	74,163	10	62,129	10	50,094	10	38,060	10	26,025	10	14,237	10	2,284	10	
1/4	97,979	1/4	85,947	1/4	73,913	1/4	61,878	1/4	49,844	1/4	37,809	1/4	25,774	1/4	13,995	1/4	2,033	1/4	
1/2	97,728	1/2	85,696	1/2	73,662	1/2	61,627	1/2	49,593	1/2	37,558	1/2	25,524	1/2	13,752	1/2	1,783	1/2	
3/4	97,478	3/4	85,446	3/4	73,411	3/4	61,377	3/4	49,342	3/4	37,308	3/4	25,273	3/4	13,509	3/4	1,544	3/4	
11	97,227	11	85,195	11	73,160	11	61,126	11	49,091	11	37,057	11	25,022	11	13,266	11	1,306	11	
1/4	96,977	1/4	84,944	1/4	72,910	1/4	60,875	1/4	48,841	1/4	36,806	1/4	24,772	1/4	13,023	1/4	1,068	1/4	
1/2	96,726	1/2	84,693	1/2	72,659	1/2	60,624	1/2	48,590	1/2	36,555	1/2	24,521	1/2	12,780	1/2	830	1/2	
3/4	96,475	3/4	84,443	3/4	72,408	3/4	60,374	3/4	48,339	3/4	36,305	3/4	24,270	3/4	12,537	3/4	679	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2015 SW
CALCULATED: 04/23/2015 CL
PRINTED: 04/24/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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



BARGE "DBL 109"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0		0	144,721	0	135,355	0	125,945	0	116,535	0	106,930
1/4		1/4		1/4		1/4		1/4		1/4	144,527	1/4	135,159	1/4	125,749	1/4	116,339	1/4	106,706
1/2		1/2		1/2		1/2		1/2		1/2	144,332	1/2	134,963	1/2	125,553	1/2	116,143	1/2	106,482
3/4		3/4		3/4		3/4		3/4		3/4	144,138	3/4	134,767	3/4	125,357	3/4	115,947	3/4	106,259
1		1		1		1		1		1	143,944	1	134,571	1	125,161	1	115,751	1	106,036
1/4		1/4		1/4		1/4		1/4		1/4	143,749	1/4	134,375	1/4	124,965	1/4	115,555	1/4	105,812
1/2		1/2		1/2		1/2		1/2		1/2	143,555	1/2	134,178	1/2	124,769	1/2	115,359	1/2	105,589
3/4		3/4		3/4		3/4		3/4		3/4	143,361	3/4	133,982	3/4	124,573	3/4	115,163	3/4	105,366
2		2		2		2		2		2	143,167	2	133,786	2	124,377	2	114,967	2	105,142
1/4		1/4		1/4		1/4		1/4	151,284	1/4	142,972	1/4	133,590	1/4	124,180	1/4	114,771	1/4	104,919
1/2		1/2		1/2		1/2		1/2	151,240	1/2	142,778	1/2	133,394	1/2	123,984	1/2	114,575	1/2	104,695
3/4		3/4		3/4		3/4		3/4	151,195	3/4	142,584	3/4	133,198	3/4	123,788	3/4	114,379	3/4	104,472
3		3		3		3		3	151,150	3	142,389	3	133,002	3	123,592	3	114,182	3	104,249
1/4		1/4		1/4		1/4		1/4	151,105	1/4	142,195	1/4	132,806	1/4	123,396	1/4	113,986	1/4	104,025
1/2		1/2		1/2		1/2		1/2	151,003	1/2	142,001	1/2	132,610	1/2	123,200	1/2	113,790	1/2	103,802
3/4		3/4		3/4		3/4		3/4	150,902	3/4	141,807	3/4	132,414	3/4	123,004	3/4	113,594	3/4	103,578
4		4		4		4		4	150,800	4	141,612	4	132,218	4	122,808	4	113,398	4	103,355
1/4		1/4		1/4		1/4		1/4	150,698	1/4	141,418	1/4	132,022	1/4	122,612	1/4	113,202	1/4	103,132
1/2		1/2		1/2		1/2		1/2	150,507	1/2	141,224	1/2	131,826	1/2	122,416	1/2	113,006	1/2	102,908
3/4		3/4		3/4		3/4		3/4	150,315	3/4	141,029	3/4	131,630	3/4	122,220	3/4	112,810	3/4	102,685
5		5		5		5		5	150,124	5	140,835	5	131,434	5	122,024	5	112,614	5	102,462
1/4		1/4		1/4		1/4		1/4	149,932	1/4	140,641	1/4	131,238	1/4	121,828	1/4	112,418	1/4	102,238
1/2		1/2		1/2		1/2		1/2	149,741	1/2	140,446	1/2	131,042	1/2	121,632	1/2	112,222	1/2	102,015
3/4		3/4		3/4		3/4		3/4	149,550	3/4	140,252	3/4	130,846	3/4	121,436	3/4	112,026	3/4	101,791
6		6		6		6		6	149,358	6	140,058	6	130,650	6	121,240	6	111,830	6	101,568
1/4		1/4		1/4		1/4		1/4	149,167	1/4	139,864	1/4	130,454	1/4	121,044	1/4	111,634	1/4	101,345
1/2		1/2		1/2		1/2		1/2	148,975	1/2	139,668	1/2	130,258	1/2	120,848	1/2	111,438	1/2	101,121
3/4		3/4		3/4		3/4		3/4	148,784	3/4	139,472	3/4	130,062	3/4	120,652	3/4	111,242	3/4	100,898
7		7		7		7		7	148,592	7	139,275	7	129,866	7	120,456	7	111,046	7	100,675
1/4		1/4		1/4		1/4		1/4	148,401	1/4	139,079	1/4	129,670	1/4	120,260	1/4	110,850	1/4	100,451
1/2		1/2		1/2		1/2		1/2	148,210	1/2	138,883	1/2	129,474	1/2	120,064	1/2	110,654	1/2	100,228
3/4		3/4		3/4		3/4		3/4	148,018	3/4	138,687	3/4	129,277	3/4	119,868	3/4	110,458	3/4	100,004
8		8		8		8		8	147,827	8	138,491	8	129,081	8	119,672	8	110,262	8	99,781
1/4		1/4		1/4		1/4		1/4	147,635	1/4	138,295	1/4	128,885	1/4	119,476	1/4	110,066	1/4	99,558
1/2		1/2		1/2		1/2		1/2	147,441	1/2	138,099	1/2	128,689	1/2	119,279	1/2	109,870	1/2	99,334
3/4		3/4		3/4		3/4		3/4	147,247	3/4	137,903	3/4	128,493	3/4	119,083	3/4	109,674	3/4	99,111
9		9		9		9		9	147,052	9	137,707	9	128,297	9	118,887	9	109,478	9	98,887
1/4		1/4		1/4		1/4		1/4	146,858	1/4	137,511	1/4	128,101	1/4	118,691	1/4	109,281	1/4	98,664
1/2		1/2		1/2		1/2		1/2	146,664	1/2	137,315	1/2	127,905	1/2	118,495	1/2	109,085	1/2	98,441
3/4		3/4		3/4		3/4		3/4	146,470	3/4	137,119	3/4	127,709	3/4	118,299	3/4	108,889	3/4	98,217
10		10		10		10		10	146,275	10	136,923	10	127,513	10	118,103	10	108,693	10	97,994
1/4		1/4		1/4		1/4		1/4	146,081	1/4	136,727	1/4	127,317	1/4	117,907	1/4	108,497	1/4	97,771
1/2		1/2		1/2		1/2		1/2	145,887	1/2	136,531	1/2	127,121	1/2	117,711	1/2	108,273	1/2	97,547
3/4		3/4		3/4		3/4		3/4	145,692	3/4	136,335	3/4	126,925	3/4	117,515	3/4	108,049	3/4	97,324
11		11		11		11		11	145,498	11	136,139	11	126,729	11	117,319	11	107,826	11	97,100
1/4		1/4		1/4		1/4		1/4	145,304	1/4	135,943	1/4	126,533	1/4	117,123	1/4	107,602	1/4	96,877
1/2		1/2		1/2		1/2		1/2	145,110	1/2	135,747	1/2	126,337	1/2	116,927	1/2	107,378	1/2	96,654
3/4		3/4		3/4		3/4		3/4	144,915	3/4	135,551	3/4	126,141	3/4	116,731	3/4	107,154	3/4	96,430

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE

GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "DBL 109"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	96,207	0	85,485	0	74,759	0	64,032	0	53,306	0	42,674	0	31,967	0	21,245	0	10,756	0	341
1/4	95,984	1/4	85,261	1/4	74,536	1/4	63,809	1/4	53,082	1/4	42,454	1/4	31,744	1/4	21,022	1/4	10,538	1/4	206
1/2	95,760	1/2	85,038	1/2	74,312	1/2	63,585	1/2	52,859	1/2	42,234	1/2	31,520	1/2	20,799	1/2	10,315	1/2	162
3/4	95,537	3/4	84,814	3/4	74,089	3/4	63,362	3/4	52,635	3/4	42,013	3/4	31,297	3/4	20,575	3/4	10,091	3/4	117
1	95,313	1	84,591	1	73,865	1	63,139	1	52,412	1	41,793	1	31,074	1	20,352	1	9,868	1	72
1/4	95,090	1/4	84,368	1/4	73,642	1/4	62,915	1/4	52,188	1/4	41,572	1/4	30,850	1/4	20,128	1/4	9,644	1/4	27
1/2	94,867	1/2	84,144	1/2	73,418	1/2	62,692	1/2	51,965	1/2	41,349	1/2	30,627	1/2	19,905	1/2	9,421	1/2	
3/4	94,643	3/4	83,921	3/4	73,195	3/4	62,468	3/4	51,741	3/4	41,126	3/4	30,404	3/4	19,682	3/4	9,198	3/4	
2	94,420	2	83,698	2	72,971	2	62,245	2	51,518	2	40,902	2	30,180	2	19,458	2	8,974	2	
1/4	94,196	1/4	83,474	1/4	72,748	1/4	62,021	1/4	51,294	1/4	40,679	1/4	29,957	1/4	19,235	1/4	8,751	1/4	
1/2	93,973	1/2	83,251	1/2	72,524	1/2	61,798	1/2	51,071	1/2	40,455	1/2	29,733	1/2	19,018	1/2	8,528	1/2	
3/4	93,750	3/4	83,027	3/4	72,301	3/4	61,574	3/4	50,848	3/4	40,232	3/4	29,510	3/4	18,800	3/4	8,304	3/4	
3	93,526	3	82,804	3	72,077	3	61,351	3	50,624	3	40,009	3	29,287	3	18,583	3	8,081	3	
1/4	93,303	1/4	82,581	1/4	71,854	1/4	61,127	1/4	50,401	1/4	39,785	1/4	29,063	1/4	18,365	1/4	7,857	1/4	
1/2	93,080	1/2	82,357	1/2	71,630	1/2	60,904	1/2	50,179	1/2	39,562	1/2	28,840	1/2	18,148	1/2	7,634	1/2	
3/4	92,856	3/4	82,134	3/4	71,407	3/4	60,680	3/4	49,957	3/4	39,339	3/4	28,617	3/4	17,930	3/4	7,411	3/4	
4	92,633	4	81,910	4	71,184	4	60,457	4	49,735	4	39,115	4	28,393	4	17,713	4	7,187	4	
1/4	92,409	1/4	81,687	1/4	70,960	1/4	60,233	1/4	49,513	1/4	38,892	1/4	28,170	1/4	17,496	1/4	6,964	1/4	
1/2	92,186	1/2	81,463	1/2	70,737	1/2	60,010	1/2	49,291	1/2	38,668	1/2	27,947	1/2	17,278	1/2	6,740	1/2	
3/4	91,963	3/4	81,240	3/4	70,513	3/4	59,786	3/4	49,069	3/4	38,445	3/4	27,723	3/4	17,061	3/4	6,517	3/4	
5	91,739	5	81,016	5	70,290	5	59,563	5	48,847	5	38,222	5	27,500	5	16,843	5	6,294	5	
1/4	91,516	1/4	80,793	1/4	70,066	1/4	59,339	1/4	48,625	1/4	37,998	1/4	27,276	1/4	16,626	1/4	6,070	1/4	
1/2	91,293	1/2	80,569	1/2	69,843	1/2	59,116	1/2	48,405	1/2	37,775	1/2	27,053	1/2	16,408	1/2	5,847	1/2	
3/4	91,069	3/4	80,346	3/4	69,619	3/4	58,893	3/4	48,185	3/4	37,552	3/4	26,830	3/4	16,191	3/4	5,623	3/4	
6	90,846	6	80,122	6	69,396	6	58,669	6	47,964	6	37,328	6	26,606	6	15,974	6	5,400	6	
1/4	90,622	1/4	79,899	1/4	69,172	1/4	58,446	1/4	47,744	1/4	37,105	1/4	26,383	1/4	15,756	1/4	5,176	1/4	
1/2	90,399	1/2	79,675	1/2	68,949	1/2	58,222	1/2	47,523	1/2	36,881	1/2	26,160	1/2	15,539	1/2	4,953	1/2	
3/4	90,176	3/4	79,452	3/4	68,725	3/4	57,999	3/4	47,303	3/4	36,658	3/4	25,936	3/4	15,321	3/4	4,729	3/4	
7	89,952	7	79,229	7	68,502	7	57,775	7	47,083	7	36,435	7	25,713	7	15,104	7	4,506	7	
1/4	89,729	1/4	79,005	1/4	68,278	1/4	57,552	1/4	46,862	1/4	36,211	1/4	25,489	1/4	14,886	1/4	4,282	1/4	
1/2	89,505	1/2	78,782	1/2	68,055	1/2	57,328	1/2	46,642	1/2	35,988	1/2	25,266	1/2	14,669	1/2	4,058	1/2	
3/4	89,282	3/4	78,558	3/4	67,831	3/4	57,105	3/4	46,421	3/4	35,765	3/4	25,043	3/4	14,452	3/4	3,835	3/4	
8	89,059	8	78,335	8	67,608	8	56,881	8	46,201	8	35,541	8	24,819	8	14,234	8	3,611	8	
1/4	88,835	1/4	78,111	1/4	67,385	1/4	56,658	1/4	45,980	1/4	35,318	1/4	24,596	1/4	14,017	1/4	3,388	1/4	
1/2	88,612	1/2	77,888	1/2	67,161	1/2	56,434	1/2	45,760	1/2	35,094	1/2	24,373	1/2	13,799	1/2	3,164	1/2	
3/4	88,389	3/4	77,664	3/4	66,938	3/4	56,211	3/4	45,540	3/4	34,871	3/4	24,149	3/4	13,582	3/4	2,940	3/4	
9	88,165	9	77,441	9	66,714	9	55,987	9	45,319	9	34,648	9	23,926	9	13,365	9	2,716	9	
1/4	87,942	1/4	77,217	1/4	66,491	1/4	55,764	1/4	45,099	1/4	34,424	1/4	23,702	1/4	13,147	1/4	2,492	1/4	
1/2	87,718	1/2	76,994	1/2	66,267	1/2	55,540	1/2	44,878	1/2	34,201	1/2	23,479	1/2	12,930	1/2	2,268	1/2	
3/4	87,495	3/4	76,770	3/4	66,044	3/4	55,317	3/4	44,658	3/4	33,978	3/4	23,256	3/4	12,713	3/4	2,044	3/4	
10	87,272	10	76,547	10	65,820	10	55,094	10	44,438	10	33,754	10	23,032	10	12,495	10	1,820	10	
1/4	87,048	1/4	76,323	1/4	65,597	1/4	54,870	1/4	44,217	1/4	33,531	1/4	22,809	1/4	12,278	1/4	1,596	1/4	
1/2	86,825	1/2	76,100	1/2	65,373	1/2	54,647	1/2	43,997	1/2	33,307	1/2	22,586	1/2	12,061	1/2	1,383	1/2	
3/4	86,601	3/4	75,876	3/4	65,150	3/4	54,423	3/4	43,776	3/4	33,084	3/4	22,362	3/4	11,843	3/4	1,170	3/4	
11	86,378	11	75,653	11	64,926	11	54,200	11	43,556	11	32,861	11	22,139	11	11,626	11	957	11	
1/4	86,155	1/4	75,430	1/4	64,703	1/4	53,976	1/4	43,336	1/4	32,637	1/4	21,915	1/4	11,408	1/4	744	1/4	
1/2	85,931	1/2	75,206	1/2	64,479	1/2	53,753	1/2	43,115	1/2	32,414	1/2	21,692	1/2	11,191	1/2	610	1/2	
3/4	85,708	3/4	74,983	3/4	64,256	3/4	53,529	3/4	42,895	3/4	32,191	3/4	21,469	3/4	10,973	3/4	475	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/23/2015 SW
CALCULATED: 04/23/2015 CL
PRINTED: 04/24/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2015

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