



BARGE "DBL 103"

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	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 CENTER	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
3 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 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 160'-06"

March 21, 2014

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

<http://www.pmacorp.net>



BARGE "DBL 103"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00 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	144,315	0	134,905	0	125,458	0	116,012	0	106,263
1/4		1/4		1/4		1/4		1/4		1/4	144,120	1/4	134,708	1/4	125,262	1/4	115,815	1/4	106,039
1/2		1/2		1/2		1/2		1/2		1/2	143,925	1/2	134,511	1/2	125,065	1/2	115,618	1/2	105,816
3/4		3/4		3/4		3/4		3/4		3/4	143,730	3/4	134,315	3/4	124,868	3/4	115,422	3/4	105,592
1		1		1		1		1		1	143,535	1	134,118	1	124,671	1	115,225	1	105,368
1/4		1/4		1/4		1/4		1/4	151,685	1/4	143,340	1/4	133,921	1/4	124,474	1/4	115,028	1/4	105,144
1/2		1/2		1/2		1/2		1/2	151,640	1/2	143,144	1/2	133,724	1/2	124,278	1/2	114,831	1/2	104,920
3/4		3/4		3/4		3/4		3/4	151,595	3/4	142,949	3/4	133,527	3/4	124,081	3/4	114,634	3/4	104,696
2		2		2		2		2	151,550	2	142,754	2	133,331	2	123,884	2	114,438	2	104,472
1/4		1/4		1/4		1/4		1/4	151,505	1/4	142,559	1/4	133,134	1/4	123,687	1/4	114,241	1/4	104,249
1/2		1/2		1/2		1/2		1/2	151,403	1/2	142,364	1/2	132,937	1/2	123,490	1/2	114,044	1/2	104,025
3/4		3/4		3/4		3/4		3/4	151,301	3/4	142,169	3/4	132,740	3/4	123,294	3/4	113,847	3/4	103,801
3		3		3		3		3	151,198	3	141,974	3	132,543	3	123,097	3	113,650	3	103,577
1/4		1/4		1/4		1/4		1/4	151,096	1/4	141,779	1/4	132,347	1/4	122,900	1/4	113,454	1/4	103,353
1/2		1/2		1/2		1/2		1/2	150,904	1/2	141,584	1/2	132,150	1/2	122,703	1/2	113,257	1/2	103,129
3/4		3/4		3/4		3/4		3/4	150,711	3/4	141,389	3/4	131,953	3/4	122,506	3/4	113,060	3/4	102,905
4		4		4		4		4	150,519	4	141,194	4	131,756	4	122,310	4	112,863	4	102,682
1/4		1/4		1/4		1/4		1/4	150,327	1/4	140,999	1/4	131,559	1/4	122,113	1/4	112,666	1/4	102,458
1/2		1/2		1/2		1/2		1/2	150,135	1/2	140,804	1/2	131,363	1/2	121,916	1/2	112,470	1/2	102,234
3/4		3/4		3/4		3/4		3/4	149,943	3/4	140,609	3/4	131,166	3/4	121,719	3/4	112,273	3/4	102,010
5		5		5		5		5	149,751	5	140,414	5	130,969	5	121,522	5	112,076	5	101,786
1/4		1/4		1/4		1/4		1/4	149,558	1/4	140,219	1/4	130,772	1/4	121,326	1/4	111,879	1/4	101,562
1/2		1/2		1/2		1/2		1/2	149,366	1/2	140,022	1/2	130,575	1/2	121,129	1/2	111,682	1/2	101,338
3/4		3/4		3/4		3/4		3/4	149,174	3/4	139,825	3/4	130,379	3/4	120,932	3/4	111,486	3/4	101,115
6		6		6		6		6	148,982	6	139,628	6	130,182	6	120,735	6	111,289	6	100,891
1/4		1/4		1/4		1/4		1/4	148,790	1/4	139,431	1/4	129,985	1/4	120,538	1/4	111,092	1/4	100,667
1/2		1/2		1/2		1/2		1/2	148,597	1/2	139,235	1/2	129,788	1/2	120,342	1/2	110,895	1/2	100,443
3/4		3/4		3/4		3/4		3/4	148,405	3/4	139,038	3/4	129,591	3/4	120,145	3/4	110,698	3/4	100,219
7		7		7		7		7	148,213	7	138,841	7	129,395	7	119,948	7	110,502	7	99,995
1/4		1/4		1/4		1/4		1/4	148,021	1/4	138,644	1/4	129,198	1/4	119,751	1/4	110,305	1/4	99,771
1/2		1/2		1/2		1/2		1/2	147,826	1/2	138,447	1/2	129,001	1/2	119,554	1/2	110,108	1/2	99,548
3/4		3/4		3/4		3/4		3/4	147,631	3/4	138,251	3/4	128,804	3/4	119,358	3/4	109,911	3/4	99,324
8		8		8		8		8	147,436	8	138,054	8	128,607	8	119,161	8	109,714	8	99,100
1/4		1/4		1/4		1/4		1/4	147,241	1/4	137,857	1/4	128,410	1/4	118,964	1/4	109,517	1/4	98,876
1/2		1/2		1/2		1/2		1/2	147,046	1/2	137,660	1/2	128,214	1/2	118,767	1/2	109,321	1/2	98,652
3/4		3/4		3/4		3/4		3/4	146,851	3/4	137,463	3/4	128,017	3/4	118,570	3/4	109,124	3/4	98,428
9		9		9		9		9	146,655	9	137,267	9	127,820	9	118,374	9	108,927	9	98,204
1/4		1/4		1/4		1/4		1/4	146,460	1/4	137,070	1/4	127,623	1/4	118,177	1/4	108,730	1/4	97,981
1/2		1/2		1/2		1/2		1/2	146,265	1/2	136,873	1/2	127,426	1/2	117,980	1/2	108,506	1/2	97,757
3/4		3/4		3/4		3/4		3/4	146,070	3/4	136,676	3/4	127,230	3/4	117,783	3/4	108,281	3/4	97,533
10		10		10		10		10	145,875	10	136,479	10	127,033	10	117,586	10	108,057	10	97,309
1/4		1/4		1/4		1/4		1/4	145,680	1/4	136,283	1/4	126,836	1/4	117,390	1/4	107,833	1/4	97,085
1/2		1/2		1/2		1/2		1/2	145,485	1/2	136,086	1/2	126,639	1/2	117,193	1/2	107,608	1/2	96,861
3/4		3/4		3/4		3/4		3/4	145,290	3/4	135,889	3/4	126,442	3/4	116,996	3/4	107,384	3/4	96,637
11		11		11		11		11	145,095	11	135,692	11	126,246	11	116,799	11	107,159	11	96,414
1/4		1/4		1/4		1/4		1/4	144,900	1/4	135,495	1/4	126,049	1/4	116,602	1/4	106,935	1/4	96,190
1/2		1/2		1/2		1/2		1/2	144,705	1/2	135,299	1/2	125,852	1/2	116,406	1/2	106,711	1/2	95,966
3/4		3/4		3/4		3/4		3/4	144,510	3/4	135,102	3/4	125,655	3/4	116,209	3/4	106,487	3/4	95,742

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 26'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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 Pearland, Texas 77588
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BARGE "DBL 103"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00 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	95,518	0	84,773	0	74,024	0	63,274	0	52,525	0	41,883	0	31,141	0	20,396	0	9,889	0	72
1/4	95,294	1/4	84,549	1/4	73,800	1/4	63,050	1/4	52,301	1/4	41,662	1/4	30,917	1/4	20,172	1/4	9,665	1/4	27
1/2	95,070	1/2	84,325	1/2	73,576	1/2	62,826	1/2	52,077	1/2	41,438	1/2	30,693	1/2	19,948	1/2	9,441	1/2	
3/4	94,847	3/4	84,101	3/4	73,352	3/4	62,603	3/4	51,853	3/4	41,214	3/4	30,469	3/4	19,724	3/4	9,217	3/4	
1	94,623	1	83,877	1	73,128	1	62,379	1	51,629	1	40,990	1	30,245	1	19,500	1	8,993	1	
1/4	94,399	1/4	83,654	1/4	72,904	1/4	62,155	1/4	51,405	1/4	40,766	1/4	30,021	1/4	19,277	1/4	8,770	1/4	
1/2	94,175	1/2	83,430	1/2	72,680	1/2	61,931	1/2	51,181	1/2	40,543	1/2	29,798	1/2	19,059	1/2	8,546	1/2	
3/4	93,951	3/4	83,206	3/4	72,456	3/4	61,707	3/4	50,957	3/4	40,319	3/4	29,574	3/4	18,841	3/4	8,322	3/4	
2	93,727	2	82,982	2	72,232	2	61,483	2	50,733	2	40,095	2	29,350	2	18,623	2	8,098	2	
1/4	93,503	1/4	82,758	1/4	72,008	1/4	61,259	1/4	50,509	1/4	39,871	1/4	29,126	1/4	18,405	1/4	7,874	1/4	
1/2	93,280	1/2	82,534	1/2	71,785	1/2	61,035	1/2	50,287	1/2	39,647	1/2	28,902	1/2	18,187	1/2	7,650	1/2	
3/4	93,056	3/4	82,310	3/4	71,561	3/4	60,811	3/4	50,064	3/4	39,423	3/4	28,678	3/4	17,969	3/4	7,426	3/4	
3	92,832	3	82,086	3	71,337	3	60,587	3	49,842	3	39,199	3	28,454	3	17,751	3	7,203	3	
1/4	92,608	1/4	81,862	1/4	71,113	1/4	60,363	1/4	49,620	1/4	38,976	1/4	28,231	1/4	17,533	1/4	6,979	1/4	
1/2	92,384	1/2	81,638	1/2	70,889	1/2	60,139	1/2	49,397	1/2	38,752	1/2	28,007	1/2	17,315	1/2	6,755	1/2	
3/4	92,160	3/4	81,414	3/4	70,665	3/4	59,915	3/4	49,175	3/4	38,528	3/4	27,783	3/4	17,098	3/4	6,531	3/4	
4	91,936	4	81,190	4	70,441	4	59,691	4	48,953	4	38,304	4	27,559	4	16,880	4	6,307	4	
1/4	91,712	1/4	80,967	1/4	70,217	1/4	59,467	1/4	48,730	1/4	38,080	1/4	27,335	1/4	16,662	1/4	6,083	1/4	
1/2	91,489	1/2	80,743	1/2	69,993	1/2	59,243	1/2	48,509	1/2	37,856	1/2	27,111	1/2	16,444	1/2	5,859	1/2	
3/4	91,265	3/4	80,519	3/4	69,769	3/4	59,019	3/4	48,288	3/4	37,632	3/4	26,888	3/4	16,226	3/4	5,635	3/4	
5	91,041	5	80,295	5	69,545	5	58,795	5	48,067	5	37,409	5	26,664	5	16,008	5	5,411	5	
1/4	90,817	1/4	80,071	1/4	69,321	1/4	58,571	1/4	47,847	1/4	37,185	1/4	26,440	1/4	15,790	1/4	5,187	1/4	
1/2	90,593	1/2	79,847	1/2	69,097	1/2	58,347	1/2	47,626	1/2	36,961	1/2	26,216	1/2	15,572	1/2	4,963	1/2	
3/4	90,369	3/4	79,623	3/4	68,873	3/4	58,124	3/4	47,405	3/4	36,737	3/4	25,992	3/4	15,354	3/4	4,739	3/4	
6	90,145	6	79,399	6	68,649	6	57,900	6	47,184	6	36,513	6	25,768	6	15,136	6	4,515	6	
1/4	89,922	1/4	79,175	1/4	68,425	1/4	57,676	1/4	46,963	1/4	36,289	1/4	25,544	1/4	14,919	1/4	4,291	1/4	
1/2	89,698	1/2	78,951	1/2	68,201	1/2	57,452	1/2	46,742	1/2	36,065	1/2	25,321	1/2	14,701	1/2	4,067	1/2	
3/4	89,474	3/4	78,727	3/4	67,977	3/4	57,228	3/4	46,521	3/4	35,842	3/4	25,097	3/4	14,483	3/4	3,843	3/4	
7	89,250	7	78,503	7	67,753	7	57,004	7	46,300	7	35,618	7	24,873	7	14,265	7	3,619	7	
1/4	89,026	1/4	78,279	1/4	67,529	1/4	56,780	1/4	46,080	1/4	35,394	1/4	24,649	1/4	14,047	1/4	3,395	1/4	
1/2	88,802	1/2	78,055	1/2	67,305	1/2	56,556	1/2	45,859	1/2	35,170	1/2	24,425	1/2	13,829	1/2	3,171	1/2	
3/4	88,578	3/4	77,831	3/4	67,082	3/4	56,332	3/4	45,638	3/4	34,946	3/4	24,201	3/4	13,611	3/4	2,946	3/4	
8	88,355	8	77,607	8	66,858	8	56,108	8	45,417	8	34,722	8	23,977	8	13,393	8	2,722	8	
1/4	88,131	1/4	77,383	1/4	66,634	1/4	55,884	1/4	45,196	1/4	34,498	1/4	23,754	1/4	13,175	1/4	2,497	1/4	
1/2	87,907	1/2	77,159	1/2	66,410	1/2	55,660	1/2	44,975	1/2	34,275	1/2	23,530	1/2	12,958	1/2	2,273	1/2	
3/4	87,683	3/4	76,935	3/4	66,186	3/4	55,436	3/4	44,754	3/4	34,051	3/4	23,306	3/4	12,740	3/4	2,048	3/4	
9	87,459	9	76,711	9	65,962	9	55,212	9	44,533	9	33,827	9	23,082	9	12,522	9	1,824	9	
1/4	87,235	1/4	76,487	1/4	65,738	1/4	54,988	1/4	44,312	1/4	33,603	1/4	22,858	1/4	12,304	1/4	1,599	1/4	
1/2	87,011	1/2	76,264	1/2	65,514	1/2	54,764	1/2	44,092	1/2	33,379	1/2	22,634	1/2	12,086	1/2	1,386	1/2	
3/4	86,788	3/4	76,040	3/4	65,290	3/4	54,540	3/4	43,871	3/4	33,155	3/4	22,410	3/4	11,868	3/4	1,172	3/4	
10	86,564	10	75,816	10	65,066	10	54,316	10	43,650	10	32,932	10	22,187	10	11,650	10	959	10	
1/4	86,340	1/4	75,592	1/4	64,842	1/4	54,092	1/4	43,429	1/4	32,708	1/4	21,963	1/4	11,432	1/4	746	1/4	
1/2	86,116	1/2	75,368	1/2	64,618	1/2	53,868	1/2	43,208	1/2	32,484	1/2	21,739	1/2	11,214	1/2	611	1/2	
3/4	85,892	3/4	75,144	3/4	64,394	3/4	53,644	3/4	42,987	3/4	32,260	3/4	21,515	3/4	10,996	3/4	476	3/4	
11	85,668	11	74,920	11	64,170	11	53,421	11	42,766	11	32,036	11	21,291	11	10,779	11	342	11	
1/4	85,444	1/4	74,696	1/4	63,946	1/4	53,197	1/4	42,545	1/4	31,812	1/4	21,067	1/4	10,561	1/4	207	1/4	
1/2	85,221	1/2	74,472	1/2	63,722	1/2	52,973	1/2	42,324	1/2	31,588	1/2	20,844	1/2	10,337	1/2	162	1/2	
3/4	84,997	3/4	74,248	3/4	63,498	3/4	52,749	3/4	42,104	3/4	31,365	3/4	20,620	3/4	10,113	3/4	117	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/20/2014 SW
CALCULATED: 03/21/2014 CL
PRINTED: 03/21/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2014

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



BARGE "DBL 103"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00 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	167,357	0	155,378	0	143,349	0	131,319	0	119,289
1/4		1/4		1/4		1/4		1/4		1/4	167,108	1/4	155,128	1/4	143,098	1/4	131,068	1/4	119,039
1/2		1/2		1/2		1/2		1/2		1/2	166,860	1/2	154,877	1/2	142,847	1/2	130,818	1/2	118,788
3/4		3/4		3/4		3/4		3/4		3/4	166,612	3/4	154,626	3/4	142,597	3/4	130,567	3/4	118,537
1		1		1		1		1		1	166,364	1	154,376	1	142,346	1	130,316	1	118,287
1/4		1/4		1/4		1/4		1/4		1/4	166,115	1/4	154,125	1/4	142,096	1/4	130,066	1/4	118,036
1/2		1/2		1/2		1/2		1/2	176,527	1/2	165,867	1/2	153,875	1/2	141,845	1/2	129,815	1/2	117,786
3/4		3/4		3/4		3/4		3/4	176,477	3/4	165,619	3/4	153,624	3/4	141,594	3/4	129,565	3/4	117,535
2		2		2		2		2		2	176,427	2	165,370	2	153,373	2	141,344	2	129,314
1/4		1/4		1/4		1/4		1/4		1/4	176,327	1/4	165,122	1/4	153,123	1/4	141,093	1/4	129,063
1/2		1/2		1/2		1/2		1/2		1/2	176,327	1/2	164,874	1/2	152,872	1/2	140,842	1/2	128,813
3/4		3/4		3/4		3/4		3/4		3/4	176,182	3/4	164,626	3/4	152,621	3/4	140,592	3/4	128,562
3		3		3		3		3		3	176,037	3	164,377	3	152,371	3	140,341	3	128,312
1/4		1/4		1/4		1/4		1/4		1/4	175,892	1/4	164,129	1/4	152,120	1/4	140,091	1/4	128,061
1/2		1/2		1/2		1/2		1/2		1/2	175,747	1/2	163,881	1/2	151,870	1/2	139,840	1/2	127,810
3/4		3/4		3/4		3/4		3/4		3/4	175,502	3/4	163,632	3/4	151,619	3/4	139,589	3/4	127,560
4		4		4		4		4		4	175,257	4	163,384	4	151,368	4	139,339	4	127,309
1/4		1/4		1/4		1/4		1/4		1/4	175,012	1/4	163,136	1/4	151,118	1/4	139,088	1/4	127,058
1/2		1/2		1/2		1/2		1/2		1/2	174,767	1/2	162,888	1/2	150,867	1/2	138,837	1/2	126,808
3/4		3/4		3/4		3/4		3/4		3/4	174,522	3/4	162,639	3/4	150,617	3/4	138,587	3/4	126,557
5		5		5		5		5		5	174,277	5	162,391	5	150,366	5	138,336	5	126,307
1/4		1/4		1/4		1/4		1/4		1/4	174,032	1/4	162,143	1/4	150,115	1/4	138,086	1/4	126,056
1/2		1/2		1/2		1/2		1/2		1/2	173,787	1/2	161,894	1/2	149,865	1/2	137,835	1/2	125,805
3/4		3/4		3/4		3/4		3/4		3/4	173,542	3/4	161,644	3/4	149,614	3/4	137,584	3/4	125,555
6		6		6		6		6		6	173,296	6	161,393	6	149,363	6	137,334	6	125,304
1/4		1/4		1/4		1/4		1/4		1/4	173,051	1/4	161,142	1/4	149,113	1/4	137,083	1/4	125,054
1/2		1/2		1/2		1/2		1/2		1/2	172,806	1/2	160,892	1/2	148,862	1/2	136,833	1/2	124,803
3/4		3/4		3/4		3/4		3/4		3/4	172,561	3/4	160,641	3/4	148,612	3/4	136,582	3/4	124,552
7		7		7		7		7		7	172,316	7	160,391	7	148,361	7	136,331	7	124,302
1/4		1/4		1/4		1/4		1/4		1/4	172,071	1/4	160,140	1/4	148,110	1/4	136,081	1/4	124,051
1/2		1/2		1/2		1/2		1/2		1/2	171,826	1/2	159,889	1/2	147,860	1/2	135,830	1/2	123,800
3/4		3/4		3/4		3/4		3/4		3/4	171,578	3/4	159,639	3/4	147,609	3/4	135,579	3/4	123,550
8		8		8		8		8		8	171,329	8	159,388	8	147,359	8	135,329	8	123,299
1/4		1/4		1/4		1/4		1/4		1/4	171,081	1/4	159,138	1/4	147,108	1/4	135,078	1/4	123,049
1/2		1/2		1/2		1/2		1/2		1/2	170,833	1/2	158,887	1/2	146,857	1/2	134,828	1/2	122,798
3/4		3/4		3/4		3/4		3/4		3/4	170,584	3/4	158,636	3/4	146,607	3/4	134,577	3/4	122,547
9		9		9		9		9		9	170,336	9	158,386	9	146,356	9	134,326	9	122,297
1/4		1/4		1/4		1/4		1/4		1/4	170,088	1/4	158,135	1/4	146,105	1/4	134,076	1/4	122,046
1/2		1/2		1/2		1/2		1/2		1/2	169,840	1/2	157,884	1/2	145,855	1/2	133,825	1/2	121,795
3/4		3/4		3/4		3/4		3/4		3/4	169,591	3/4	157,634	3/4	145,604	3/4	133,575	3/4	121,545
10		10		10		10		10		10	169,343	10	157,383	10	145,354	10	133,324	10	121,294
1/4		1/4		1/4		1/4		1/4		1/4	169,095	1/4	157,133	1/4	145,103	1/4	133,073	1/4	121,044
1/2		1/2		1/2		1/2		1/2		1/2	168,846	1/2	156,882	1/2	144,852	1/2	132,823	1/2	120,793
3/4		3/4		3/4		3/4		3/4		3/4	168,598	3/4	156,631	3/4	144,602	3/4	132,572	3/4	120,542
11		11		11		11		11		11	168,350	11	156,381	11	144,351	11	132,321	11	120,292
1/4		1/4		1/4		1/4		1/4		1/4	168,102	1/4	156,130	1/4	144,100	1/4	132,071	1/4	120,041
1/2		1/2		1/2		1/2		1/2		1/2	167,853	1/2	155,880	1/2	143,850	1/2	131,820	1/2	119,791
3/4		3/4		3/4		3/4		3/4		3/4	167,605	3/4	155,629	3/4	143,599	3/4	131,570	3/4	119,540

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'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
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BARGE "DBL 103"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00 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	107,260	0	95,230	0	83,196	0	71,160	0	59,125	0	47,089	0	35,054	0	23,018	0	11,308	0	128
1/4	107,009	1/4	94,979	1/4	82,945	1/4	70,910	1/4	58,874	1/4	46,839	1/4	34,803	1/4	22,768	1/4	11,057	1/4	77
1/2	106,758	1/2	94,729	1/2	82,694	1/2	70,659	1/2	58,623	1/2	46,588	1/2	34,552	1/2	22,517	1/2	10,807	1/2	27
3/4	106,508	3/4	94,478	3/4	82,443	3/4	70,408	3/4	58,373	3/4	46,337	3/4	34,302	3/4	22,266	3/4	10,556	3/4	
1	106,257	1	94,227	1	82,193	1	70,157	1	58,122	1	46,086	1	34,051	1	22,015	1	10,305	1	
1/4	106,007	1/4	93,977	1/4	81,942	1/4	69,907	1/4	57,871	1/4	45,836	1/4	33,800	1/4	21,765	1/4	10,055	1/4	
1/2	105,756	1/2	93,726	1/2	81,691	1/2	69,656	1/2	57,620	1/2	45,585	1/2	33,549	1/2	21,514	1/2	9,804	1/2	
3/4	105,505	3/4	93,476	3/4	81,441	3/4	69,405	3/4	57,370	3/4	45,334	3/4	33,299	3/4	21,271	3/4	9,554	3/4	
2	105,255	2	93,225	2	81,190	2	69,154	2	57,119	2	45,083	2	33,048	2	21,029	2	9,303	2	
1/4	105,004	1/4	92,974	1/4	80,939	1/4	68,904	1/4	56,868	1/4	44,833	1/4	32,797	1/4	20,786	1/4	9,053	1/4	
1/2	104,753	1/2	92,724	1/2	80,688	1/2	68,653	1/2	56,617	1/2	44,582	1/2	32,546	1/2	20,544	1/2	8,802	1/2	
3/4	104,503	3/4	92,473	3/4	80,438	3/4	68,402	3/4	56,367	3/4	44,331	3/4	32,296	3/4	20,301	3/4	8,551	3/4	
3	104,252	3	92,222	3	80,187	3	68,151	3	56,116	3	44,080	3	32,045	3	20,059	3	8,301	3	
1/4	104,002	1/4	91,972	1/4	79,936	1/4	67,901	1/4	55,865	1/4	43,830	1/4	31,794	1/4	19,816	1/4	8,050	1/4	
1/2	103,751	1/2	91,721	1/2	79,685	1/2	67,650	1/2	55,614	1/2	43,579	1/2	31,544	1/2	19,574	1/2	7,800	1/2	
3/4	103,500	3/4	91,470	3/4	79,435	3/4	67,399	3/4	55,364	3/4	43,328	3/4	31,293	3/4	19,331	3/4	7,549	3/4	
4	103,250	4	91,219	4	79,184	4	67,148	4	55,113	4	43,078	4	31,042	4	19,089	4	7,298	4	
1/4	102,999	1/4	90,969	1/4	78,933	1/4	66,898	1/4	54,862	1/4	42,827	1/4	30,791	1/4	18,846	1/4	7,048	1/4	
1/2	102,748	1/2	90,718	1/2	78,682	1/2	66,647	1/2	54,611	1/2	42,576	1/2	30,541	1/2	18,604	1/2	6,797	1/2	
3/4	102,498	3/4	90,467	3/4	78,432	3/4	66,396	3/4	54,361	3/4	42,325	3/4	30,290	3/4	18,361	3/4	6,547	3/4	
5	102,247	5	90,216	5	78,181	5	66,145	5	54,110	5	42,075	5	30,039	5	18,118	5	6,296	5	
1/4	101,997	1/4	89,966	1/4	77,930	1/4	65,895	1/4	53,859	1/4	41,824	1/4	29,788	1/4	17,876	1/4	6,045	1/4	
1/2	101,746	1/2	89,715	1/2	77,679	1/2	65,644	1/2	53,609	1/2	41,573	1/2	29,538	1/2	17,633	1/2	5,794	1/2	
3/4	101,495	3/4	89,464	3/4	77,429	3/4	65,393	3/4	53,358	3/4	41,322	3/4	29,287	3/4	17,391	3/4	5,544	3/4	
6	101,245	6	89,213	6	77,178	6	65,143	6	53,107	6	41,072	6	29,036	6	17,148	6	5,293	6	
1/4	100,994	1/4	88,963	1/4	76,927	1/4	64,892	1/4	52,856	1/4	40,821	1/4	28,785	1/4	16,906	1/4	5,042	1/4	
1/2	100,744	1/2	88,712	1/2	76,677	1/2	64,641	1/2	52,606	1/2	40,570	1/2	28,535	1/2	16,663	1/2	4,791	1/2	
3/4	100,493	3/4	88,461	3/4	76,426	3/4	64,390	3/4	52,355	3/4	40,319	3/4	28,284	3/4	16,421	3/4	4,541	3/4	
7	100,242	7	88,210	7	76,175	7	64,140	7	52,104	7	40,069	7	28,033	7	16,178	7	4,290	7	
1/4	99,992	1/4	87,960	1/4	75,924	1/4	63,889	1/4	51,853	1/4	39,818	1/4	27,782	1/4	15,936	1/4	4,039	1/4	
1/2	99,741	1/2	87,709	1/2	75,674	1/2	63,638	1/2	51,603	1/2	39,567	1/2	27,532	1/2	15,693	1/2	3,788	1/2	
3/4	99,490	3/4	87,458	3/4	75,423	3/4	63,387	3/4	51,352	3/4	39,316	3/4	27,281	3/4	15,451	3/4	3,538	3/4	
8	99,240	8	87,208	8	75,172	8	63,137	8	51,101	8	39,066	8	27,030	8	15,208	8	3,287	8	
1/4	98,989	1/4	86,957	1/4	74,921	1/4	62,886	1/4	50,850	1/4	38,815	1/4	26,780	1/4	14,966	1/4	3,036	1/4	
1/2	98,739	1/2	86,706	1/2	74,671	1/2	62,635	1/2	50,600	1/2	38,564	1/2	26,529	1/2	14,723	1/2	2,786	1/2	
3/4	98,488	3/4	86,455	3/4	74,420	3/4	62,384	3/4	50,349	3/4	38,313	3/4	26,278	3/4	14,481	3/4	2,535	3/4	
9	98,237	9	86,205	9	74,169	9	62,134	9	50,098	9	38,063	9	26,027	9	14,238	9	2,284	9	
1/4	97,987	1/4	85,954	1/4	73,918	1/4	61,883	1/4	49,847	1/4	37,812	1/4	25,777	1/4	13,996	1/4	2,033	1/4	
1/2	97,736	1/2	85,703	1/2	73,668	1/2	61,632	1/2	49,597	1/2	37,561	1/2	25,526	1/2	13,753	1/2	1,783	1/2	
3/4	97,486	3/4	85,452	3/4	73,417	3/4	61,381	3/4	49,346	3/4	37,311	3/4	25,275	3/4	13,510	3/4	1,544	3/4	
10	97,235	10	85,202	10	73,166	10	61,131	10	49,095	10	37,060	10	25,024	10	13,267	10	1,306	10	
1/4	96,984	1/4	84,951	1/4	72,915	1/4	60,880	1/4	48,845	1/4	36,809	1/4	24,774	1/4	13,024	1/4	1,068	1/4	
1/2	96,734	1/2	84,700	1/2	72,665	1/2	60,629	1/2	48,594	1/2	36,558	1/2	24,523	1/2	12,781	1/2	830	1/2	
3/4	96,483	3/4	84,449	3/4	72,414	3/4	60,378	3/4	48,343	3/4	36,308	3/4	24,272	3/4	12,538	3/4	679	3/4	
11	96,232	11	84,199	11	72,163	11	60,128	11	48,092	11	36,057	11	24,021	11	12,295	11	529	11	
1/4	95,982	1/4	83,948	1/4	71,912	1/4	59,877	1/4	47,842	1/4	35,806	1/4	23,771	1/4	12,052	1/4	378	1/4	
1/2	95,731	1/2	83,697	1/2	71,662	1/2	59,626	1/2	47,591	1/2	35,555	1/2	23,520	1/2	11,809	1/2	228	1/2	
3/4	95,481	3/4	83,446	3/4	71,411	3/4	59,376	3/4	47,340	3/4	35,305	3/4	23,269	3/4	11,558	3/4	178	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/20/2014 SW
CALCULATED: 03/21/2014 CL
PRINTED: 03/21/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2014

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



BARGE "DBL 103"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00 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	147,773	0	137,198	0	126,579	0	115,961	0	105,343
1/4		1/4		1/4		1/4		1/4		1/4	147,554	1/4	136,977	1/4	126,358	1/4	115,740	1/4	105,121
1/2		1/2		1/2		1/2		1/2		1/2	147,335	1/2	136,755	1/2	126,137	1/2	115,519	1/2	104,900
3/4		3/4		3/4		3/4		3/4		3/4	147,116	3/4	136,534	3/4	125,916	3/4	115,297	3/4	104,679
1		1		1		1		1		1	146,897	1	136,313	1	125,695	1	115,076	1	104,458
1/4		1/4		1/4		1/4		1/4	156,088	1/4	146,678	1/4	136,092	1/4	125,473	1/4	114,855	1/4	104,237
1/2		1/2		1/2		1/2		1/2	156,044	1/2	146,458	1/2	135,871	1/2	125,252	1/2	114,634	1/2	104,015
3/4		3/4		3/4		3/4		3/4	156,000	3/4	146,239	3/4	135,649	3/4	125,031	3/4	114,413	3/4	103,794
2		2		2		2		2	155,955	2	146,020	2	135,428	2	124,810	2	114,191	2	103,573
1/4		1/4		1/4		1/4		1/4	155,911	1/4	145,801	1/4	135,207	1/4	124,588	1/4	113,970	1/4	103,352
1/2		1/2		1/2		1/2		1/2	155,783	1/2	145,582	1/2	134,986	1/2	124,367	1/2	113,749	1/2	103,130
3/4		3/4		3/4		3/4		3/4	155,655	3/4	145,362	3/4	134,764	3/4	124,146	3/4	113,528	3/4	102,909
3		3		3		3		3	155,527	3	145,143	3	134,543	3	123,925	3	113,306	3	102,688
1/4		1/4		1/4		1/4		1/4	155,400	1/4	144,924	1/4	134,322	1/4	123,704	1/4	113,085	1/4	102,467
1/2		1/2		1/2		1/2		1/2	155,183	1/2	144,705	1/2	134,101	1/2	123,482	1/2	112,864	1/2	102,246
3/4		3/4		3/4		3/4		3/4	154,967	3/4	144,486	3/4	133,880	3/4	123,261	3/4	112,643	3/4	102,024
4		4		4		4		4	154,750	4	144,267	4	133,658	4	123,040	4	112,422	4	101,803
1/4		1/4		1/4		1/4		1/4	154,534	1/4	144,047	1/4	133,437	1/4	122,819	1/4	112,200	1/4	101,582
1/2		1/2		1/2		1/2		1/2	154,318	1/2	143,828	1/2	133,216	1/2	122,598	1/2	111,979	1/2	101,361
3/4		3/4		3/4		3/4		3/4	154,101	3/4	143,609	3/4	132,995	3/4	122,376	3/4	111,758	3/4	101,140
5		5		5		5		5	153,885	5	143,390	5	132,773	5	122,155	5	111,537	5	100,918
1/4		1/4		1/4		1/4		1/4	153,669	1/4	143,171	1/4	132,552	1/4	121,934	1/4	111,315	1/4	100,697
1/2		1/2		1/2		1/2		1/2	153,452	1/2	142,949	1/2	132,331	1/2	121,713	1/2	111,094	1/2	100,476
3/4		3/4		3/4		3/4		3/4	153,236	3/4	142,728	3/4	132,110	3/4	121,491	3/4	110,873	3/4	100,255
6		6		6		6		6	153,020	6	142,507	6	131,889	6	121,270	6	110,652	6	100,033
1/4		1/4		1/4		1/4		1/4	152,803	1/4	142,286	1/4	131,667	1/4	121,049	1/4	110,431	1/4	99,812
1/2		1/2		1/2		1/2		1/2	152,587	1/2	142,065	1/2	131,446	1/2	120,828	1/2	110,209	1/2	99,591
3/4		3/4		3/4		3/4		3/4	152,370	3/4	141,843	3/4	131,225	3/4	120,607	3/4	109,988	3/4	99,370
7		7		7		7		7	152,154	7	141,622	7	131,004	7	120,385	7	109,767	7	99,149
1/4		1/4		1/4		1/4		1/4	151,938	1/4	141,401	1/4	130,783	1/4	120,164	1/4	109,546	1/4	98,927
1/2		1/2		1/2		1/2		1/2	151,719	1/2	141,180	1/2	130,561	1/2	119,943	1/2	109,325	1/2	98,706
3/4		3/4		3/4		3/4		3/4	151,499	3/4	140,958	3/4	130,340	3/4	119,722	3/4	109,103	3/4	98,485
8		8		8		8		8	151,280	8	140,737	8	130,119	8	119,500	8	108,882	8	98,264
1/4		1/4		1/4		1/4		1/4	151,061	1/4	140,516	1/4	129,898	1/4	119,279	1/4	108,661	1/4	98,042
1/2		1/2		1/2		1/2		1/2	150,842	1/2	140,295	1/2	129,676	1/2	119,058	1/2	108,440	1/2	97,821
3/4		3/4		3/4		3/4		3/4	150,623	3/4	140,074	3/4	129,455	3/4	118,837	3/4	108,218	3/4	97,600
9		9		9		9		9	150,404	9	139,852	9	129,234	9	118,616	9	107,997	9	97,379
1/4		1/4		1/4		1/4		1/4	150,184	1/4	139,631	1/4	129,013	1/4	118,394	1/4	107,776	1/4	97,158
1/2		1/2		1/2		1/2		1/2	149,965	1/2	139,410	1/2	128,792	1/2	118,173	1/2	107,555	1/2	96,936
3/4		3/4		3/4		3/4		3/4	149,746	3/4	139,189	3/4	128,570	3/4	117,952	3/4	107,334	3/4	96,715
10		10		10		10		10	149,527	10	138,968	10	128,349	10	117,731	10	107,112	10	96,494
1/4		1/4		1/4		1/4		1/4	149,308	1/4	138,746	1/4	128,128	1/4	117,510	1/4	106,891	1/4	96,273
1/2		1/2		1/2		1/2		1/2	149,088	1/2	138,525	1/2	127,907	1/2	117,288	1/2	106,670	1/2	96,052
3/4		3/4		3/4		3/4		3/4	148,869	3/4	138,304	3/4	127,685	3/4	117,067	3/4	106,449	3/4	95,830
11		11		11		11		11	148,650	11	138,083	11	127,464	11	116,846	11	106,227	11	95,609
1/4		1/4		1/4		1/4		1/4	148,431	1/4	137,861	1/4	127,243	1/4	116,625	1/4	106,006	1/4	95,388
1/2		1/2		1/2		1/2		1/2	148,212	1/2	137,640	1/2	127,022	1/2	116,403	1/2	105,785	1/2	95,167
3/4		3/4		3/4		3/4		3/4	147,993	3/4	137,419	3/4	126,801	3/4	116,182	3/4	105,564	3/4	94,945

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 103"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-00 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	94,724	0	84,106	0	73,483	0	62,860	0	52,236	0	41,613	0	30,989	0	20,366	0	9,765	0	71
1/4	94,503	1/4	83,885	1/4	73,262	1/4	62,639	1/4	52,015	1/4	41,392	1/4	30,768	1/4	20,145	1/4	9,544	1/4	27
1/2	94,282	1/2	83,663	1/2	73,041	1/2	62,417	1/2	51,794	1/2	41,170	1/2	30,547	1/2	19,924	1/2	9,323	1/2	---
3/4	94,061	3/4	83,442	3/4	72,819	3/4	62,196	3/4	51,572	3/4	40,949	3/4	30,325	3/4	19,703	3/4	9,101	3/4	---
1	93,839	1	83,221	1	72,598	1	61,975	1	51,351	1	40,728	1	30,104	1	19,482	1	8,880	1	---
1/4	93,618	1/4	83,000	1/4	72,377	1/4	61,753	1/4	51,130	1/4	40,506	1/4	29,883	1/4	19,261	1/4	8,659	1/4	---
1/2	93,397	1/2	82,779	1/2	72,155	1/2	61,532	1/2	50,908	1/2	40,285	1/2	29,661	1/2	19,040	1/2	8,437	1/2	---
3/4	93,176	3/4	82,557	3/4	71,934	3/4	61,311	3/4	50,687	3/4	40,064	3/4	29,440	3/4	18,819	3/4	8,216	3/4	---
2	92,955	2	82,336	2	71,713	2	61,089	2	50,466	2	39,842	2	29,219	2	18,599	2	7,995	2	---
1/4	92,733	1/4	82,115	1/4	71,491	1/4	60,868	1/4	50,244	1/4	39,621	1/4	28,998	1/4	18,378	1/4	7,773	1/4	---
1/2	92,512	1/2	81,894	1/2	71,270	1/2	60,647	1/2	50,023	1/2	39,400	1/2	28,776	1/2	18,157	1/2	7,552	1/2	---
3/4	92,291	3/4	81,672	3/4	71,049	3/4	60,425	3/4	49,802	3/4	39,178	3/4	28,555	3/4	17,937	3/4	7,331	3/4	---
3	92,070	3	81,451	3	70,827	3	60,204	3	49,581	3	38,957	3	28,334	3	17,716	3	7,110	3	---
1/4	91,848	1/4	81,230	1/4	70,606	1/4	59,983	1/4	49,359	1/4	38,736	1/4	28,112	1/4	17,495	1/4	6,888	1/4	---
1/2	91,627	1/2	81,008	1/2	70,385	1/2	59,761	1/2	49,138	1/2	38,514	1/2	27,891	1/2	17,274	1/2	6,667	1/2	---
3/4	91,406	3/4	80,787	3/4	70,163	3/4	59,540	3/4	48,917	3/4	38,293	3/4	27,670	3/4	17,054	3/4	6,446	3/4	---
4	91,185	4	80,566	4	69,942	4	59,319	4	48,695	4	38,072	4	27,448	4	16,833	4	6,224	4	---
1/4	90,964	1/4	80,344	1/4	69,721	1/4	59,097	1/4	48,474	1/4	37,850	1/4	27,227	1/4	16,612	1/4	6,003	1/4	---
1/2	90,742	1/2	80,123	1/2	69,500	1/2	58,876	1/2	48,253	1/2	37,629	1/2	27,006	1/2	16,392	1/2	5,782	1/2	---
3/4	90,521	3/4	79,902	3/4	69,278	3/4	58,655	3/4	48,031	3/4	37,408	3/4	26,784	3/4	16,171	3/4	5,560	3/4	---
5	90,300	5	79,680	5	69,057	5	58,433	5	47,810	5	37,186	5	26,563	5	15,950	5	5,339	5	---
1/4	90,079	1/4	79,459	1/4	68,836	1/4	58,212	1/4	47,589	1/4	36,965	1/4	26,342	1/4	15,730	1/4	5,118	1/4	---
1/2	89,857	1/2	79,238	1/2	68,614	1/2	57,991	1/2	47,367	1/2	36,744	1/2	26,120	1/2	15,509	1/2	4,896	1/2	---
3/4	89,636	3/4	79,016	3/4	68,393	3/4	57,769	3/4	47,146	3/4	36,522	3/4	25,899	3/4	15,288	3/4	4,675	3/4	---
6	89,415	6	78,795	6	68,172	6	57,548	6	46,925	6	36,301	6	25,678	6	15,067	6	4,454	6	---
1/4	89,194	1/4	78,574	1/4	67,950	1/4	57,327	1/4	46,703	1/4	36,080	1/4	25,456	1/4	14,847	1/4	4,232	1/4	---
1/2	88,973	1/2	78,352	1/2	67,729	1/2	57,105	1/2	46,482	1/2	35,859	1/2	25,235	1/2	14,626	1/2	4,011	1/2	---
3/4	88,751	3/4	78,131	3/4	67,508	3/4	56,884	3/4	46,261	3/4	35,637	3/4	25,014	3/4	14,405	3/4	3,790	3/4	---
7	88,530	7	77,910	7	67,286	7	56,663	7	46,039	7	35,416	7	24,792	7	14,185	7	3,569	7	---
1/4	88,309	1/4	77,688	1/4	67,065	1/4	56,442	1/4	45,818	1/4	35,195	1/4	24,571	1/4	13,964	1/4	3,347	1/4	---
1/2	88,088	1/2	77,467	1/2	66,844	1/2	56,220	1/2	45,597	1/2	34,973	1/2	24,350	1/2	13,743	1/2	3,126	1/2	---
3/4	87,867	3/4	77,246	3/4	66,622	3/4	55,999	3/4	45,375	3/4	34,752	3/4	24,128	3/4	13,522	3/4	2,905	3/4	---
8	87,645	8	77,024	8	66,401	8	55,778	8	45,154	8	34,531	8	23,907	8	13,302	8	2,683	8	---
1/4	87,424	1/4	76,803	1/4	66,180	1/4	55,556	1/4	44,933	1/4	34,309	1/4	23,686	1/4	13,081	1/4	2,462	1/4	---
1/2	87,203	1/2	76,582	1/2	65,958	1/2	55,335	1/2	44,711	1/2	34,088	1/2	23,464	1/2	12,860	1/2	2,241	1/2	---
3/4	86,982	3/4	76,361	3/4	65,737	3/4	55,114	3/4	44,490	3/4	33,867	3/4	23,243	3/4	12,640	3/4	2,019	3/4	---
9	86,760	9	76,139	9	65,516	9	54,892	9	44,269	9	33,645	9	23,022	9	12,419	9	1,798	9	---
1/4	86,539	1/4	75,918	1/4	65,294	1/4	54,671	1/4	44,047	1/4	33,424	1/4	22,800	1/4	12,198	1/4	1,577	1/4	---
1/2	86,318	1/2	75,697	1/2	65,073	1/2	54,450	1/2	43,826	1/2	33,203	1/2	22,579	1/2	11,977	1/2	1,366	1/2	---
3/4	86,097	3/4	75,475	3/4	64,852	3/4	54,228	3/4	43,605	3/4	32,981	3/4	22,358	3/4	11,756	3/4	1,156	3/4	---
10	85,876	10	75,254	10	64,630	10	54,007	10	43,383	10	32,760	10	22,137	10	11,535	10	946	10	---
1/4	85,654	1/4	75,033	1/4	64,409	1/4	53,786	1/4	43,162	1/4	32,539	1/4	21,915	1/4	11,314	1/4	735	1/4	---
1/2	85,433	1/2	74,811	1/2	64,188	1/2	53,564	1/2	42,941	1/2	32,317	1/2	21,694	1/2	11,093	1/2	603	1/2	---
3/4	85,212	3/4	74,590	3/4	63,966	3/4	53,343	3/4	42,720	3/4	32,096	3/4	21,473	3/4	10,872	3/4	470	3/4	---
11	84,991	11	74,369	11	63,745	11	53,122	11	42,498	11	31,875	11	21,251	11	10,651	11	337	11	---
1/4	84,769	1/4	74,147	1/4	63,524	1/4	52,900	1/4	42,277	1/4	31,653	1/4	21,030	1/4	10,429	1/4	204	1/4	---
1/2	84,548	1/2	73,926	1/2	63,302	1/2	52,679	1/2	42,056	1/2	31,432	1/2	20,809	1/2	10,208	1/2	160	1/2	---
3/4	84,327	3/4	73,705	3/4	63,081	3/4	52,458	3/4	41,834	3/4	31,211	3/4	20,587	3/4	9,987	3/4	116	3/4	---

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 03/21/2014 CL
PRINTED: 03/21/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2014

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