



# BARGE "DCBL 80"

## 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	00-1/4	- 00-1/4
2 CENTER	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
3 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	00-1/4	- 00-1/4

(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 INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 159'-06"

August 2, 2007

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

<http://www.pmacorp.net>



# BARGE "DCBL 80"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	146,431	0	138,076	0	129,212	0	120,346	0	111,481	0	102,069	0	91,886	0	81,699	0	71,517
1/4	1/4	1/4	146,346	1/4	137,892	1/4	129,027	1/4	120,162	1/4	111,296	1/4	101,857	1/4	91,674	1/4	81,487	1/4	71,305
1/2	1/2	1/2	146,261	1/2	137,707	1/2	128,842	1/2	119,977	1/2	111,112	1/2	101,645	1/2	91,462	1/2	81,275	1/2	71,093
3/4	3/4	3/4	146,176	3/4	137,522	3/4	128,658	3/4	119,792	3/4	110,927	3/4	101,433	3/4	91,250	3/4	81,062	3/4	70,881
1		1	146,091	1	137,338	1	128,473	1	119,608	1	110,742	1	101,220	1	91,037	1	80,850	1	70,670
1/4	1/4	1/4	145,963	1/4	137,153	1/4	128,288	1/4	119,423	1/4	110,557	1/4	101,008	1/4	90,825	1/4	80,638	1/4	70,458
1/2	1/2	1/2	145,835	1/2	136,968	1/2	128,103	1/2	119,238	1/2	110,373	1/2	100,796	1/2	90,613	1/2	80,426	1/2	70,246
3/4	3/4	3/4	145,708	3/4	136,784	3/4	127,919	3/4	119,053	3/4	110,188	3/4	100,584	3/4	90,401	3/4	80,213	3/4	70,034
2		2	145,580	2	136,599	2	127,734	2	118,869	2	110,003	2	100,371	2	90,189	2	80,001	2	69,822
1/4	1/4	1/4	145,410	1/4	136,414	1/4	127,549	1/4	118,684	1/4	109,819	1/4	100,159	1/4	89,976	1/4	79,789	1/4	69,610
1/2	1/2	1/2	145,240	1/2	136,230	1/2	127,365	1/2	118,499	1/2	109,634	1/2	99,947	1/2	89,764	1/2	79,577	1/2	69,398
3/4	3/4	3/4	145,070	3/4	136,045	3/4	127,180	3/4	118,315	3/4	109,449	3/4	99,735	3/4	89,552	3/4	79,365	3/4	69,186
3		3	144,899	3	135,860	3	126,995	3	118,130	3	109,265	3	99,522	3	89,340	3	79,152	3	68,974
1/4	1/4	1/4	144,692	1/4	135,676	1/4	126,811	1/4	117,945	1/4	109,080	1/4	99,310	1/4	89,127	1/4	78,940	1/4	68,762
1/2	1/2	1/2	144,485	1/2	135,491	1/2	126,626	1/2	117,761	1/2	108,895	1/2	99,098	1/2	88,915	1/2	78,728	1/2	68,551
3/4	3/4	3/4	144,277	3/4	135,306	3/4	126,441	3/4	117,576	3/4	108,711	3/4	98,886	3/4	88,703	3/4	78,516	3/4	68,339
4		4	144,070	4	135,122	4	126,257	4	117,391	4	108,526	4	98,673	4	88,491	4	78,303	4	68,127
1/4	1/4	1/4	143,864	1/4	134,937	1/4	126,072	1/4	117,206	1/4	108,341	1/4	98,461	1/4	88,278	1/4	78,091	1/4	67,915
1/2	1/2	1/2	143,658	1/2	134,752	1/2	125,887	1/2	117,022	1/2	108,156	1/2	98,249	1/2	88,066	1/2	77,879	1/2	67,703
3/4	3/4	3/4	143,453	3/4	134,568	3/4	125,702	3/4	116,837	3/4	107,972	3/4	98,037	3/4	87,854	3/4	77,667	3/4	67,491
5		5	143,247	5	134,383	5	125,518	5	116,652	5	107,787	5	97,825	5	87,642	5	77,454	5	67,279
1/4	1/4	1/4	143,062	1/4	134,198	1/4	125,333	1/4	116,468	1/4	107,603	1/4	97,613	1/4	87,429	1/4	77,242	1/4	67,067
1/2	1/2	1/2	142,877	1/2	134,014	1/2	125,148	1/2	116,283	1/2	107,419	1/2	97,400	1/2	87,217	1/2	77,030	1/2	66,855
3/4	3/4	3/4	142,693	3/4	133,829	3/4	124,964	3/4	116,098	3/4	107,235	3/4	97,188	3/4	87,005	3/4	76,818	3/4	66,643
6		6	142,508	6	133,644	6	124,779	6	115,914	6	107,051	6	96,976	6	86,793	6	76,605	6	66,431
1/4	1/4	1/4	142,323	1/4	133,460	1/4	124,594	1/4	115,729	1/4	106,866	1/4	96,764	1/4	86,581	1/4	76,393	1/4	66,219
1/2	1/2	1/2	142,139	1/2	133,275	1/2	124,410	1/2	115,544	1/2	106,682	1/2	96,552	1/2	86,368	1/2	76,181	1/2	66,007
3/4	3/4	3/4	141,954	3/4	133,090	3/4	124,225	3/4	115,360	3/4	106,498	3/4	96,340	3/4	86,156	3/4	75,969	3/4	65,795
7		7	141,769	7	132,906	7	124,040	7	115,175	7	106,314	7	96,128	7	85,944	7	75,757	7	65,583
1/4	1/4	1/4	141,585	1/4	132,721	1/4	123,856	1/4	114,990	1/4	106,102	1/4	95,916	1/4	85,732	1/4	75,544	1/4	65,371
1/2	1/2	1/2	141,400	1/2	132,536	1/2	123,671	1/2	114,805	1/2	105,890	1/2	95,704	1/2	85,519	1/2	75,332	1/2	65,159
3/4	3/4	3/4	141,216	3/4	132,351	3/4	123,486	3/4	114,621	3/4	105,677	3/4	95,492	3/4	85,307	3/4	75,120	3/4	64,947
8		8	141,031	8	132,167	8	123,301	8	114,436	8	105,465	8	95,280	8	85,095	8	74,908	8	64,734
1/4	1/4	1/4	140,846	1/4	131,982	1/4	123,117	1/4	114,251	1/4	105,253	1/4	95,068	1/4	84,883	1/4	74,696	1/4	64,522
1/2	1/2	1/2	140,662	1/2	131,797	1/2	122,932	1/2	114,067	1/2	105,041	1/2	94,856	1/2	84,670	1/2	74,484	1/2	64,310
3/4	3/4	3/4	140,477	3/4	131,613	3/4	122,747	3/4	113,882	3/4	104,828	3/4	94,644	3/4	84,458	3/4	74,272	3/4	64,098
9		9	140,292	9	131,428	9	122,563	9	113,697	9	104,616	9	94,432	9	84,246	9	74,060	9	63,886
1/4	1/4	1/4	140,108	1/4	131,243	1/4	122,378	1/4	113,513	1/4	104,404	1/4	94,220	1/4	84,034	1/4	73,848	1/4	63,674
1/2	1/2	1/2	139,923	1/2	131,059	1/2	122,193	1/2	113,328	1/2	104,192	1/2	94,008	1/2	83,821	1/2	73,636	1/2	63,462
3/4	3/4	3/4	139,738	3/4	130,874	3/4	122,009	3/4	113,143	3/4	103,979	3/4	93,796	3/4	83,609	3/4	73,424	3/4	63,249
10		10	139,554	10	130,689	10	121,824	10	112,959	10	103,767	10	93,584	10	83,397	10	73,212	10	63,037
1/4	1/4	1/4	139,369	1/4	130,505	1/4	121,639	1/4	112,774	1/4	103,555	1/4	93,372	1/4	83,185	1/4	73,000	1/4	62,825
1/2	1/2	1/2	146,622	1/2	139,184	1/2	130,320	1/2	121,454	1/2	112,589	1/2	93,159	1/2	82,973	1/2	72,789	1/2	62,613
3/4	3/4	3/4	146,612	3/4	139,000	3/4	130,135	3/4	121,270	3/4	112,404	3/4	92,947	3/4	82,760	3/4	72,577	3/4	62,401
11		11	146,601	11	138,815	11	129,950	11	121,085	11	112,220	11	92,918	11	82,735	11	72,365	11	62,189
1/4	1/4	1/4	146,558	1/4	138,630	1/4	129,766	1/4	120,900	1/4	112,035	1/4	92,523	1/4	82,336	1/4	72,153	1/4	61,977
1/2	1/2	1/2	146,516	1/2	138,446	1/2	129,581	1/2	120,716	1/2	111,850	1/2	92,311	1/2	82,124	1/2	71,941	1/2	61,764
3/4	3/4	3/4	146,473	3/4	138,261	3/4	129,396	3/4	120,531	3/4	111,666	3/4	92,099	3/4	81,911	3/4	71,729	3/4	61,552

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 ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "DCBL 80"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01"

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	61,340	0	51,158	0	40,975	0	30,792	0	20,691	0	10,681	0	737	0		0		0	
1/4	61,128	1/4	50,945	1/4	40,763	1/4	30,580	1/4	20,486	1/4	10,468	1/4	558	1/4	1/4	1/4		1/4	
1/2	60,916	1/2	50,733	1/2	40,551	1/2	30,368	1/2	20,280	1/2	10,255	1/2	379	1/2	1/2	1/2		1/2	
3/4	60,704	3/4	50,521	3/4	40,339	3/4	30,156	3/4	20,075	3/4	10,042	3/4	200	3/4	3/4	3/4		3/4	
1	60,492	1	50,309	1	40,126	1	29,944	1	19,870	1	9,830	1	22	1		1		1	
1/4	60,279	1/4	50,097	1/4	39,914	1/4	29,732	1/4	19,664	1/4	9,617	1/4		1/4	1/4	1/4		1/4	
1/2	60,067	1/2	49,885	1/2	39,702	1/2	29,520	1/2	19,459	1/2	9,404	1/2		1/2	1/2	1/2		1/2	
3/4	59,855	3/4	49,673	3/4	39,490	3/4	29,307	3/4	19,254	3/4	9,191	3/4		3/4	3/4	3/4		3/4	
2	59,643	2	49,460	2	39,278	2	29,095	2	19,048	2	8,979	2		2		2		2	
1/4	59,431	1/4	49,248	1/4	39,066	1/4	28,883	1/4	18,843	1/4	8,766	1/4		1/4	1/4	1/4		1/4	
1/2	59,219	1/2	49,036	1/2	38,854	1/2	28,671	1/2	18,638	1/2	8,553	1/2		1/2	1/2	1/2		1/2	
3/4	59,007	3/4	48,824	3/4	38,641	3/4	28,459	3/4	18,432	3/4	8,340	3/4		3/4	3/4	3/4		3/4	
3	58,795	3	48,612	3	38,429	3	28,247	3	18,227	3	8,128	3		3		3		3	
1/4	58,582	1/4	48,400	1/4	38,217	1/4	28,035	1/4	18,022	1/4	7,915	1/4		1/4	1/4	1/4		1/4	
1/2	58,370	1/2	48,188	1/2	38,005	1/2	27,822	1/2	17,816	1/2	7,702	1/2		1/2	1/2	1/2		1/2	
3/4	58,158	3/4	47,976	3/4	37,793	3/4	27,610	3/4	17,611	3/4	7,489	3/4		3/4	3/4	3/4		3/4	
4	57,946	4	47,763	4	37,581	4	27,398	4	17,406	4	7,277	4		4		4		4	
1/4	57,734	1/4	47,551	1/4	37,369	1/4	27,186	1/4	17,200	1/4	7,064	1/4		1/4	1/4	1/4		1/4	
1/2	57,522	1/2	47,339	1/2	37,156	1/2	26,974	1/2	16,995	1/2	6,851	1/2		1/2	1/2	1/2		1/2	
3/4	57,310	3/4	47,127	3/4	36,944	3/4	26,762	3/4	16,790	3/4	6,638	3/4		3/4	3/4	3/4		3/4	
5	57,097	5	46,915	5	36,732	5	26,550	5	16,584	5	6,426	5		5		5		5	
1/4	56,885	1/4	46,703	1/4	36,520	1/4	26,337	1/4	16,378	1/4	6,213	1/4		1/4	1/4	1/4		1/4	
1/2	56,673	1/2	46,491	1/2	36,308	1/2	26,125	1/2	16,172	1/2	6,001	1/2		1/2	1/2	1/2		1/2	
3/4	56,461	3/4	46,278	3/4	36,096	3/4	25,913	3/4	15,966	3/4	5,788	3/4		3/4	3/4	3/4		3/4	
6	56,249	6	46,066	6	35,884	6	25,701	6	15,760	6	5,575	6		6		6		6	
1/4	56,037	1/4	45,854	1/4	35,672	1/4	25,489	1/4	15,554	1/4	5,363	1/4		1/4	1/4	1/4		1/4	
1/2	55,825	1/2	45,642	1/2	35,459	1/2	25,277	1/2	15,348	1/2	5,151	1/2		1/2	1/2	1/2		1/2	
3/4	55,612	3/4	45,430	3/4	35,247	3/4	25,065	3/4	15,141	3/4	4,939	3/4		3/4	3/4	3/4		3/4	
7	55,400	7	45,218	7	35,035	7	24,852	7	14,935	7	4,726	7		7		7		7	
1/4	55,188	1/4	45,006	1/4	34,823	1/4	24,640	1/4	14,723	1/4	4,515	1/4		1/4	1/4	1/4		1/4	
1/2	54,976	1/2	44,793	1/2	34,611	1/2	24,428	1/2	14,510	1/2	4,304	1/2		1/2	1/2	1/2		1/2	
3/4	54,764	3/4	44,581	3/4	34,399	3/4	24,216	3/4	14,297	3/4	4,093	3/4		3/4	3/4	3/4		3/4	
8	54,552	8	44,369	8	34,187	8	24,004	8	14,084	8	3,882	8		8		8		8	
1/4	54,340	1/4	44,157	1/4	33,974	1/4	23,792	1/4	13,872	1/4	3,676	1/4		1/4	1/4	1/4		1/4	
1/2	54,128	1/2	43,945	1/2	33,762	1/2	23,580	1/2	13,659	1/2	3,470	1/2		1/2	1/2	1/2		1/2	
3/4	53,915	3/4	43,733	3/4	33,550	3/4	23,368	3/4	13,446	3/4	3,264	3/4		3/4	3/4	3/4		3/4	
9	53,703	9	43,521	9	33,338	9	23,155	9	13,233	9	3,058	9		9		9		9	
1/4	53,491	1/4	43,308	1/4	33,126	1/4	22,950	1/4	13,021	1/4	2,858	1/4		1/4	1/4	1/4		1/4	
1/2	53,279	1/2	43,096	1/2	32,914	1/2	22,745	1/2	12,808	1/2	2,658	1/2		1/2	1/2	1/2		1/2	
3/4	53,067	3/4	42,884	3/4	32,702	3/4	22,539	3/4	12,595	3/4	2,458	3/4		3/4	3/4	3/4		3/4	
10	52,855	10	42,672	10	32,489	10	22,334	10	12,382	10	2,258	10		10		10		10	
1/4	52,643	1/4	42,460	1/4	32,277	1/4	22,129	1/4	12,170	1/4	2,065	1/4		1/4	1/4	1/4		1/4	
1/2	52,430	1/2	42,248	1/2	32,065	1/2	21,923	1/2	11,957	1/2	1,871	1/2		1/2	1/2	1/2		1/2	
3/4	52,218	3/4	42,036	3/4	31,853	3/4	21,718	3/4	11,744	3/4	1,678	3/4		3/4	3/4	3/4		3/4	
11	52,006	11	41,824	11	31,641	11	21,513	11	11,531	11	1,484	11		11		11		11	
1/4	51,794	1/4	41,611	1/4	31,429	1/4	21,307	1/4	11,319	1/4	1,297	1/4		1/4	1/4	1/4		1/4	
1/2	51,582	1/2	41,399	1/2	31,217	1/2	21,102	1/2	11,106	1/2	1,110	1/2		1/2	1/2	1/2		1/2	
3/4	51,370	3/4	41,187	3/4	31,004	3/4	20,897	3/4	10,893	3/4	923	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/02/2007 CL - SW  
CALCULATED: 08/02/2007 CL  
PRINTED: 08/02/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2007

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "DCBL 80"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-00 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN			
0		0	173,659	0	163,078	0	151,454	0	139,829	0	128,204	0	116,580	0	104,955	0	93,330	0	81,705		
1/4	1/4	1/4	173,562	1/4	162,836	1/4	151,212	1/4	139,587	1/4	127,962	1/4	116,337	1/4	104,712	1/4	93,088	1/4	81,463		
1/2	1/2	1/2	173,466	1/2	162,594	1/2	150,970	1/2	139,345	1/2	127,720	1/2	116,095	1/2	104,470	1/2	92,845	1/2	81,221		
3/4	3/4	3/4	173,369	3/4	162,352	3/4	150,728	3/4	139,103	3/4	127,478	3/4	115,853	3/4	104,228	3/4	92,603	3/4	80,978		
1		1	173,224	1	162,110	1	150,485	1	138,861	1	127,236	1	115,611	1	103,986	1	92,361	1	80,736		
1/4	1/4	1/4	173,078	1/4	161,868	1/4	150,243	1/4	138,618	1/4	126,993	1/4	115,369	1/4	103,744	1/4	92,119	1/4	80,494		
1/2	1/2	1/2	172,933	1/2	161,625	1/2	150,001	1/2	138,376	1/2	126,751	1/2	115,126	1/2	103,502	1/2	91,877	1/2	80,252		
3/4	3/4	3/4	172,788	3/4	161,383	3/4	149,759	3/4	138,134	3/4	126,509	3/4	114,884	3/4	103,259	3/4	91,634	3/4	80,010		
2		2	172,594	2	161,141	2	149,517	2	137,892	2	126,267	2	114,642	2	103,017	2	91,392	2	79,767		
1/4	1/4	1/4	172,401	1/4	160,899	1/4	149,275	1/4	137,650	1/4	126,025	1/4	114,400	1/4	102,775	1/4	91,150	1/4	79,525		
1/2	1/2	1/2	172,207	1/2	160,657	1/2	149,032	1/2	137,407	1/2	125,783	1/2	114,158	1/2	102,533	1/2	90,908	1/2	79,283		
3/4	3/4	3/4	172,013	3/4	160,415	3/4	148,790	3/4	137,165	3/4	125,540	3/4	113,915	3/4	102,291	3/4	90,666	3/4	79,041		
3		3	171,777	3	160,173	3	148,548	3	136,923	3	125,298	3	113,673	3	102,048	3	90,424	3	78,799		
1/4	1/4	1/4	171,541	1/4	159,930	1/4	148,306	1/4	136,681	1/4	125,056	1/4	113,431	1/4	101,806	1/4	90,181	1/4	78,556		
1/2	1/2	1/2	171,305	1/2	159,688	1/2	148,064	1/2	136,439	1/2	124,814	1/2	113,189	1/2	101,564	1/2	89,939	1/2	78,314		
3/4	3/4	3/4	171,069	3/4	159,446	3/4	147,821	3/4	136,197	3/4	124,572	3/4	112,947	3/4	101,322	3/4	89,697	3/4	78,072		
4		4	170,827	4	159,204	4	147,579	4	135,954	4	124,329	4	112,705	4	101,080	4	89,455	4	77,830		
1/4	1/4	1/4	170,585	1/4	158,962	1/4	147,337	1/4	135,712	1/4	124,087	1/4	112,462	1/4	100,838	1/4	89,213	1/4	77,588		
1/2	1/2	1/2	170,342	1/2	158,720	1/2	147,095	1/2	135,470	1/2	123,845	1/2	112,220	1/2	100,595	1/2	88,970	1/2	77,346		
3/4	3/4	3/4	170,100	3/4	158,478	3/4	146,853	3/4	135,228	3/4	123,603	3/4	111,978	3/4	100,353	3/4	88,728	3/4	77,103		
5		5	169,858	5	158,235	5	146,610	5	134,986	5	123,361	5	111,736	5	100,111	5	88,486	5	76,861		
1/4	1/4	1/4	169,616	1/4	157,993	1/4	146,368	1/4	134,743	1/4	123,119	1/4	111,494	1/4	99,869	1/4	88,244	1/4	76,619		
1/2	1/2	1/2	169,374	1/2	157,751	1/2	146,126	1/2	134,501	1/2	122,876	1/2	111,251	1/2	99,627	1/2	88,002	1/2	76,377		
3/4	3/4	3/4	169,132	3/4	157,509	3/4	145,884	3/4	134,259	3/4	122,634	3/4	111,009	3/4	99,384	3/4	87,760	3/4	76,135		
6		6	168,890	6	157,267	6	145,642	6	134,017	6	122,392	6	110,767	6	99,142	6	87,517	6	75,892		
1/4	1/4	1/4	168,647	1/4	157,024	1/4	145,400	1/4	133,775	1/4	122,150	1/4	110,525	1/4	98,900	1/4	87,275	1/4	75,650		
1/2	1/2	1/2	168,405	1/2	156,782	1/2	145,157	1/2	133,532	1/2	121,908	1/2	110,283	1/2	98,658	1/2	87,033	1/2	75,408		
3/4	3/4	3/4	168,163	3/4	156,540	3/4	144,915	3/4	133,290	3/4	121,665	3/4	110,041	3/4	98,416	3/4	86,791	3/4	75,166		
7		7	167,921	7	156,298	7	144,673	7	133,048	7	121,423	7	109,798	7	98,173	7	86,549	7	74,924		
1/4	1/4	1/4	167,679	1/4	156,056	1/4	144,431	1/4	132,806	1/4	121,181	1/4	109,556	1/4	97,931	1/4	86,306	1/4	74,682		
1/2	1/2	1/2	167,437	1/2	155,814	1/2	144,189	1/2	132,564	1/2	120,939	1/2	109,314	1/2	97,689	1/2	86,064	1/2	74,439		
3/4	3/4	3/4	167,195	3/4	155,571	3/4	143,946	3/4	132,322	3/4	120,697	3/4	109,072	3/4	97,447	3/4	85,822	3/4	74,197		
8		8	166,952	8	155,329	8	143,704	8	132,079	8	120,454	8	108,830	8	97,205	8	85,580	8	73,955		
1/4	1/4	1/4	166,710	1/4	155,087	1/4	143,462	1/4	131,837	1/4	120,212	1/4	108,587	1/4	96,963	1/4	85,338	1/4	73,713		
1/2	1/2	1/2	166,468	1/2	154,845	1/2	143,220	1/2	131,595	1/2	119,970	1/2	108,345	1/2	96,720	1/2	85,095	1/2	73,471		
3/4	3/4	3/4	166,226	3/4	154,603	3/4	142,978	3/4	131,353	3/4	119,728	3/4	108,103	3/4	96,478	3/4	84,853	3/4	73,228		
9		9	165,984	9	154,360	9	142,736	9	131,111	9	119,486	9	107,861	9	96,236	9	84,611	9	72,986		
1/4	1/4	1/4	165,742	1/4	154,118	1/4	142,493	1/4	130,868	1/4	119,244	1/4	107,619	1/4	95,994	1/4	84,369	1/4	72,744		
1/2	1/2	1/2	165,500	1/2	153,876	1/2	142,251	1/2	130,626	1/2	119,001	1/2	107,377	1/2	95,752	1/2	84,127	1/2	72,502		
3/4	3/4	3/4	165,257	3/4	153,634	3/4	142,009	3/4	130,384	3/4	118,759	3/4	107,134	3/4	95,509	3/4	83,885	3/4	72,260		
10		10	165,015	10	153,392	10	141,767	10	130,142	10	118,517	10	106,892	10	95,267	10	83,642	10	72,017		
1/4	1/4	1/4	173,974	1/4	164,773	1/4	153,149	1/4	141,525	1/4	129,900	1/4	118,275	1/4	106,650	1/4	95,025	1/4	83,400	1/4	71,775
1/2	1/2	1/2	173,961	1/2	164,531	1/2	152,907	1/2	141,282	1/2	129,658	1/2	118,033	1/2	106,408	1/2	94,783	1/2	83,158	1/2	71,533
3/4	3/4	3/4	173,949	3/4	164,289	3/4	152,665	3/4	141,040	3/4	129,415	3/4	117,790	3/4	106,166	3/4	94,541	3/4	82,916	3/4	71,291
11		11	173,901	11	164,047	11	152,423	11	140,798	11	129,173	11	117,548	11	105,923	11	94,299	11	82,674	11	71,049
1/4	1/4	1/4	173,853	1/4	163,805	1/4	152,181	1/4	140,556	1/4	128,931	1/4	117,306	1/4	105,681	1/4	94,056	1/4	82,431	1/4	70,807
1/2	1/2	1/2	173,804	1/2	163,563	1/2	151,939	1/2	140,314	1/2	128,689	1/2	117,064	1/2	105,439	1/2	93,814	1/2	82,189	1/2	70,564
3/4	3/4	3/4	173,756	3/4	163,320	3/4	151,696	3/4	140,071	3/4	128,447	3/4	116,822	3/4	105,197	3/4	93,572	3/4	81,947	3/4	70,322

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 ON CENTERLINE AND 27'-00" FORWARD OF AFT BULKHEAD.

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



# BARGE "DCBL 80"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-00 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	70,080	0	58,455	0	46,830	0	35,205	0	23,681	0	12,262	0	719	0		0		0	
1/4	69,838	1/4	58,213	1/4	46,588	1/4	34,963	1/4	23,446	1/4	12,020	1/4	487	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,596	1/2	57,971	1/2	46,346	1/2	34,721	1/2	23,212	1/2	11,778	1/2	254	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,353	3/4	57,729	3/4	46,104	3/4	34,479	3/4	22,977	3/4	11,536	3/4	22	3/4	3/4	3/4	3/4	3/4	3/4
1	69,111	1	57,486	1	45,861	1	34,237	1	22,743	1	11,294	1		1		1		1	
1/4	68,869	1/4	57,244	1/4	45,619	1/4	33,994	1/4	22,508	1/4	11,052	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,627	1/2	57,002	1/2	45,377	1/2	33,752	1/2	22,274	1/2	10,810	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,385	3/4	56,760	3/4	45,135	3/4	33,510	3/4	22,039	3/4	10,567	3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	68,143	2	56,518	2	44,893	2	33,268	2	21,805	2	10,325	2		2		2		2	
1/4	67,900	1/4	56,275	1/4	44,651	1/4	33,026	1/4	21,570	1/4	10,083	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,658	1/2	56,033	1/2	44,408	1/2	32,783	1/2	21,336	1/2	9,841	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,416	3/4	55,791	3/4	44,166	3/4	32,541	3/4	21,101	3/4	9,599	3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	67,174	3	55,549	3	43,924	3	32,299	3	20,867	3	9,357	3		3		3		3	
1/4	66,932	1/4	55,307	1/4	43,682	1/4	32,057	1/4	20,633	1/4	9,115	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,689	1/2	55,065	1/2	43,440	1/2	31,815	1/2	20,398	1/2	8,873	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,447	3/4	54,822	3/4	43,197	3/4	31,573	3/4	20,164	3/4	8,630	3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	66,205	4	54,580	4	42,955	4	31,330	4	19,929	4	8,388	4		4		4		4	
1/4	65,963	1/4	54,338	1/4	42,713	1/4	31,088	1/4	19,695	1/4	8,146	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,721	1/2	54,096	1/2	42,471	1/2	30,846	1/2	19,460	1/2	7,904	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,478	3/4	53,854	3/4	42,229	3/4	30,604	3/4	19,226	3/4	7,662	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	65,236	5	53,611	5	41,987	5	30,362	5	18,991	5	7,420	5		5		5		5	
1/4	64,994	1/4	53,369	1/4	41,744	1/4	30,119	1/4	18,756	1/4	7,178	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,752	1/2	53,127	1/2	41,502	1/2	29,877	1/2	18,521	1/2	6,936	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,510	3/4	52,885	3/4	41,260	3/4	29,635	3/4	18,286	3/4	6,694	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	64,268	6	52,643	6	41,018	6	29,393	6	18,051	6	6,453	6		6		6		6	
1/4	64,025	1/4	52,400	1/4	40,776	1/4	29,151	1/4	17,817	1/4	6,211	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,783	1/2	52,158	1/2	40,533	1/2	28,909	1/2	17,582	1/2	5,970	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,541	3/4	51,916	3/4	40,291	3/4	28,666	3/4	17,347	3/4	5,728	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	63,299	7	51,674	7	40,049	7	28,424	7	17,105	7	5,487	7		7		7		7	
1/4	63,057	1/4	51,432	1/4	39,807	1/4	28,182	1/4	16,863	1/4	5,246	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,814	1/2	51,190	1/2	39,565	1/2	27,940	1/2	16,621	1/2	5,005	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,572	3/4	50,947	3/4	39,322	3/4	27,698	3/4	16,378	3/4	4,764	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	62,330	8	50,705	8	39,080	8	27,455	8	16,136	8	4,524	8		8		8		8	
1/4	62,088	1/4	50,463	1/4	38,838	1/4	27,213	1/4	15,894	1/4	4,284	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,846	1/2	50,221	1/2	38,596	1/2	26,971	1/2	15,652	1/2	4,043	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,604	3/4	49,979	3/4	38,354	3/4	26,729	3/4	15,410	3/4	3,803	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	61,361	9	49,736	9	38,112	9	26,494	9	15,168	9	3,564	9		9		9		9	
1/4	61,119	1/4	49,494	1/4	37,869	1/4	26,260	1/4	14,926	1/4	3,325	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,877	1/2	49,252	1/2	37,627	1/2	26,025	1/2	14,684	1/2	3,086	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,635	3/4	49,010	3/4	37,385	3/4	25,791	3/4	14,441	3/4	2,846	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	60,393	10	48,768	10	37,143	10	25,556	10	14,199	10	2,609	10		10		10		10	
1/4	60,150	1/4	48,526	1/4	36,901	1/4	25,322	1/4	13,957	1/4	2,371	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,908	1/2	48,283	1/2	36,658	1/2	25,088	1/2	13,715	1/2	2,133	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,666	3/4	48,041	3/4	36,416	3/4	24,853	3/4	13,473	3/4	1,895	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	59,424	11	47,799	11	36,174	11	24,619	11	13,231	11	1,659	11		11		11		11	
1/4	59,182	1/4	47,557	1/4	35,932	1/4	24,384	1/4	12,989	1/4	1,424	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,939	1/2	47,315	1/2	35,690	1/2	24,150	1/2	12,747	1/2	1,188	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,697	3/4	47,072	3/4	35,448	3/4	23,915	3/4	12,504	3/4	952	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/02/2007 CL - SW  
CALCULATED: 08/02/2007 CL  
PRINTED: 08/02/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2007

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "DCBL 80"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	155,799	0	146,458	0	136,053	0	125,648	0	115,242	0	104,837	0	94,431	0	84,025	0	73,620
1/4	1/4	1/4	155,712	1/4	146,241	1/4	135,836	1/4	125,431	1/4	115,025	1/4	104,620	1/4	94,214	1/4	83,809	1/4	73,403
1/2	1/2	1/2	155,626	1/2	146,024	1/2	135,620	1/2	125,214	1/2	114,808	1/2	104,403	1/2	93,997	1/2	83,592	1/2	73,186
3/4	3/4	3/4	155,539	3/4	145,808	3/4	135,403	3/4	124,997	3/4	114,592	3/4	104,186	3/4	93,781	3/4	83,375	3/4	72,970
1		1	155,452	1	145,591	1	135,186	1	124,780	1	114,375	1	103,969	1	93,564	1	83,158	1	72,753
1/4	1/4	1/4	155,322	1/4	145,374	1/4	134,969	1/4	124,564	1/4	114,158	1/4	103,753	1/4	93,347	1/4	82,942	1/4	72,536
1/2	1/2	1/2	155,192	1/2	145,157	1/2	134,752	1/2	124,347	1/2	113,941	1/2	103,536	1/2	93,130	1/2	82,725	1/2	72,319
3/4	3/4	3/4	155,062	3/4	144,941	3/4	134,536	3/4	124,130	3/4	113,725	3/4	103,319	3/4	92,914	3/4	82,508	3/4	72,102
2		2	154,932	2	144,724	2	134,319	2	123,913	2	113,508	2	103,102	2	92,697	2	82,291	2	71,886
1/4	1/4	1/4	154,759	1/4	144,507	1/4	134,102	1/4	123,697	1/4	113,291	1/4	102,885	1/4	92,480	1/4	82,074	1/4	71,669
1/2	1/2	1/2	154,586	1/2	144,290	1/2	133,885	1/2	123,480	1/2	113,074	1/2	102,669	1/2	92,263	1/2	81,858	1/2	71,452
3/4	3/4	3/4	154,412	3/4	144,074	3/4	133,669	3/4	123,263	3/4	112,857	3/4	102,452	3/4	92,046	3/4	81,641	3/4	71,235
3		3	154,239	3	143,857	3	133,452	3	123,046	3	112,641	3	102,235	3	91,830	3	81,424	3	71,019
1/4	1/4	1/4	154,028	1/4	143,640	1/4	133,235	1/4	122,829	1/4	112,424	1/4	102,018	1/4	91,613	1/4	81,207	1/4	70,802
1/2	1/2	1/2	153,816	1/2	143,423	1/2	133,018	1/2	122,613	1/2	112,207	1/2	101,802	1/2	91,396	1/2	80,991	1/2	70,585
3/4	3/4	3/4	153,605	3/4	143,207	3/4	132,801	3/4	122,396	3/4	111,990	3/4	101,585	3/4	91,179	3/4	80,774	3/4	70,368
4		4	153,394	4	142,990	4	132,585	4	122,179	4	111,774	4	101,368	4	90,962	4	80,557	4	70,151
1/4	1/4	1/4	153,177	1/4	142,773	1/4	132,368	1/4	121,962	1/4	111,557	1/4	101,151	1/4	90,746	1/4	80,340	1/4	69,935
1/2	1/2	1/2	152,960	1/2	142,556	1/2	132,151	1/2	121,746	1/2	111,340	1/2	100,934	1/2	90,529	1/2	80,123	1/2	69,718
3/4	3/4	3/4	152,743	3/4	142,340	3/4	131,934	3/4	121,529	3/4	111,123	3/4	100,718	3/4	90,312	3/4	79,907	3/4	69,501
5		5	152,527	5	142,123	5	131,717	5	121,312	5	110,906	5	100,501	5	90,095	5	79,690	5	69,284
1/4	1/4	1/4	152,310	1/4	141,906	1/4	131,501	1/4	121,095	1/4	110,690	1/4	100,284	1/4	89,879	1/4	79,473	1/4	69,068
1/2	1/2	1/2	152,093	1/2	141,689	1/2	131,284	1/2	120,878	1/2	110,473	1/2	100,067	1/2	89,662	1/2	79,256	1/2	68,851
3/4	3/4	3/4	151,876	3/4	141,473	3/4	131,067	3/4	120,662	3/4	110,256	3/4	99,851	3/4	89,445	3/4	79,039	3/4	68,634
6		6	151,660	6	141,256	6	130,850	6	120,445	6	110,039	6	99,634	6	89,228	6	78,823	6	68,417
1/4	1/4	1/4	151,443	1/4	141,039	1/4	130,634	1/4	120,228	1/4	109,823	1/4	99,417	1/4	89,011	1/4	78,606	1/4	68,200
1/2	1/2	1/2	151,226	1/2	140,822	1/2	130,417	1/2	120,011	1/2	109,606	1/2	99,200	1/2	88,795	1/2	78,389	1/2	67,984
3/4	3/4	3/4	151,009	3/4	140,606	3/4	130,200	3/4	119,794	3/4	109,389	3/4	98,983	3/4	88,578	3/4	78,172	3/4	67,767
7		7	150,793	7	140,389	7	129,983	7	119,578	7	109,172	7	98,767	7	88,361	7	77,956	7	67,550
1/4	1/4	1/4	150,576	1/4	140,172	1/4	129,766	1/4	119,361	1/4	108,955	1/4	98,550	1/4	88,144	1/4	77,739	1/4	67,333
1/2	1/2	1/2	150,359	1/2	139,955	1/2	129,550	1/2	119,144	1/2	108,739	1/2	98,333	1/2	87,928	1/2	77,522	1/2	67,116
3/4	3/4	3/4	150,142	3/4	139,738	3/4	129,333	3/4	118,927	3/4	108,522	3/4	98,116	3/4	87,711	3/4	77,305	3/4	66,900
8		8	149,926	8	139,522	8	129,116	8	118,711	8	108,305	8	97,900	8	87,494	8	77,088	8	66,683
1/4	1/4	1/4	149,709	1/4	139,305	1/4	128,899	1/4	118,494	1/4	108,088	1/4	97,683	1/4	87,277	1/4	76,872	1/4	66,466
1/2	1/2	1/2	149,492	1/2	139,088	1/2	128,683	1/2	118,277	1/2	107,871	1/2	97,466	1/2	87,060	1/2	76,655	1/2	66,249
3/4	3/4	3/4	149,276	3/4	138,871	3/4	128,466	3/4	118,060	3/4	107,655	3/4	97,249	3/4	86,844	3/4	76,438	3/4	66,033
9		9	149,059	9	138,654	9	128,249	9	117,843	9	107,438	9	97,032	9	86,627	9	76,221	9	65,816
1/4	1/4	1/4	148,842	1/4	138,438	1/4	128,032	1/4	117,627	1/4	107,221	1/4	96,816	1/4	86,410	1/4	76,005	1/4	65,599
1/2	1/2	1/2	148,625	1/2	138,221	1/2	127,815	1/2	117,410	1/2	107,004	1/2	96,599	1/2	86,193	1/2	75,788	1/2	65,382
3/4	3/4	3/4	148,409	3/4	138,004	3/4	127,599	3/4	117,193	3/4	106,788	3/4	96,382	3/4	85,977	3/4	75,571	3/4	65,165
10		10	148,192	10	137,787	10	127,382	10	116,976	10	106,571	10	96,165	10	85,760	10	75,354	10	64,949
1/4	1/4	1/4	147,975	1/4	137,571	1/4	127,165	1/4	116,760	1/4	106,354	1/4	95,948	1/4	85,543	1/4	75,137	1/4	64,732
1/2	155,994	1/2	147,758	1/2	137,354	1/2	126,948	1/2	116,543	1/2	106,137	1/2	95,732	1/2	85,326	1/2	74,921	1/2	64,515
3/4	155,983	3/4	147,542	3/4	137,137	3/4	126,731	3/4	116,326	3/4	105,920	3/4	95,515	3/4	85,109	3/4	74,704	3/4	64,298
11		11	147,325	11	136,920	11	126,515	11	116,109	11	105,704	11	95,298	11	84,893	11	74,487	11	64,082
1/4	155,929	1/4	147,108	1/4	136,703	1/4	126,298	1/4	115,892	1/4	105,487	1/4	95,081	1/4	84,676	1/4	74,270	1/4	63,865
1/2	155,886	1/2	146,891	1/2	136,487	1/2	126,081	1/2	115,676	1/2	105,270	1/2	94,865	1/2	84,459	1/2	74,054	1/2	63,648
3/4	155,842	3/4	146,675	3/4	136,270	3/4	125,864	3/4	115,459	3/4	105,053	3/4	94,648	3/4	84,242	3/4	73,837	3/4	63,431

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 ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DCBL 80"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01"

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	63,214	0	52,809	0	42,403	0	31,998	0	21,595	0	11,195	0	854	0		0		0	
1/4	62,998	1/4	52,592	1/4	42,187	1/4	31,781	1/4	21,378	1/4	10,978	1/4	646	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,781	1/2	52,375	1/2	41,970	1/2	31,564	1/2	21,162	1/2	10,762	1/2	438	1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,564	3/4	52,159	3/4	41,753	3/4	31,348	3/4	20,945	3/4	10,545	3/4	230	3/4	3/4	3/4	3/4	3/4	3/4
1	62,347	1	51,942	1	41,536	1	31,131	1	20,728	1	10,328	1	22	1		1		1	
1/4	62,131	1/4	51,725	1/4	41,319	1/4	30,914	1/4	20,512	1/4	10,111	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,914	1/2	51,508	1/2	41,103	1/2	30,697	1/2	20,295	1/2	9,895	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,697	3/4	51,291	3/4	40,886	3/4	30,480	3/4	20,079	3/4	9,678	3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	61,480	2	51,075	2	40,669	2	30,264	2	19,862	2	9,461	2		2		2		2	
1/4	61,263	1/4	50,858	1/4	40,452	1/4	30,047	1/4	19,646	1/4	9,244	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,047	1/2	50,641	1/2	40,236	1/2	29,830	1/2	19,429	1/2	9,028	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,830	3/4	50,424	3/4	40,019	3/4	29,613	3/4	19,212	3/4	8,811	3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	60,613	3	50,208	3	39,802	3	29,396	3	18,996	3	8,594	3		3		3		3	
1/4	60,396	1/4	49,991	1/4	39,585	1/4	29,180	1/4	18,779	1/4	8,378	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,179	1/2	49,774	1/2	39,368	1/2	28,963	1/2	18,563	1/2	8,161	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,963	3/4	49,557	3/4	39,152	3/4	28,746	3/4	18,346	3/4	7,944	3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	59,746	4	49,340	4	38,935	4	28,529	4	18,130	4	7,727	4		4		4		4	
1/4	59,529	1/4	49,124	1/4	38,718	1/4	28,313	1/4	17,913	1/4	7,511	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,312	1/2	48,907	1/2	38,501	1/2	28,096	1/2	17,696	1/2	7,294	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,096	3/4	48,690	3/4	38,285	3/4	27,879	3/4	17,480	3/4	7,077	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	58,879	5	48,473	5	38,068	5	27,662	5	17,263	5	6,861	5		5		5		5	
1/4	58,662	1/4	48,256	1/4	37,851	1/4	27,445	1/4	17,047	1/4	6,644	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,445	1/2	48,040	1/2	37,634	1/2	27,229	1/2	16,830	1/2	6,427	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,228	3/4	47,823	3/4	37,417	3/4	27,012	3/4	16,613	3/4	6,211	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	58,012	6	47,606	6	37,201	6	26,795	6	16,396	6	5,994	6		6		6		6	
1/4	57,795	1/4	47,389	1/4	36,984	1/4	26,578	1/4	16,180	1/4	5,778	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,578	1/2	47,173	1/2	36,767	1/2	26,362	1/2	15,963	1/2	5,562	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,361	3/4	46,956	3/4	36,550	3/4	26,145	3/4	15,746	3/4	5,346	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	57,145	7	46,739	7	36,333	7	25,928	7	15,530	7	5,129	7		7		7		7	
1/4	56,928	1/4	46,522	1/4	36,117	1/4	25,711	1/4	15,313	1/4	4,914	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,711	1/2	46,305	1/2	35,900	1/2	25,494	1/2	15,096	1/2	4,698	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,494	3/4	46,089	3/4	35,683	3/4	25,278	3/4	14,879	3/4	4,482	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	56,277	8	45,872	8	35,466	8	25,061	8	14,663	8	4,267	8		8		8		8	
1/4	56,061	1/4	45,655	1/4	35,250	1/4	24,844	1/4	14,446	1/4	4,052	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,844	1/2	45,438	1/2	35,033	1/2	24,627	1/2	14,229	1/2	3,836	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,627	3/4	45,222	3/4	34,816	3/4	24,410	3/4	14,012	3/4	3,621	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	55,410	9	45,005	9	34,599	9	24,194	9	13,796	9	3,406	9		9		9		9	
1/4	55,193	1/4	44,788	1/4	34,382	1/4	23,977	1/4	13,579	1/4	3,192	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,977	1/2	44,571	1/2	34,166	1/2	23,761	1/2	13,362	1/2	2,978	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,760	3/4	44,354	3/4	33,949	3/4	23,544	3/4	13,146	3/4	2,764	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	54,543	10	44,138	10	33,732	10	23,327	10	12,929	10	2,550	10		10		10		10	
1/4	54,326	1/4	43,921	1/4	33,515	1/4	23,111	1/4	12,712	1/4	2,337	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,110	1/2	43,704	1/2	33,299	1/2	22,894	1/2	12,495	1/2	2,124	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,893	3/4	43,487	3/4	33,082	3/4	22,678	3/4	12,279	3/4	1,912	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	53,676	11	43,271	11	32,865	11	22,461	11	12,062	11	1,699	11		11		11		11	
1/4	53,459	1/4	43,054	1/4	32,648	1/4	22,245	1/4	11,845	1/4	1,488	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,242	1/2	42,837	1/2	32,431	1/2	22,028	1/2	11,628	1/2	1,276	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,026	3/4	42,620	3/4	32,215	3/4	21,811	3/4	11,412	3/4	1,065	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRINTED: 08/02/2007 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2007

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