



# BARGE "DBL 89"

## 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	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
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: 161'-00"

June 29, 2010

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

<http://www.pmacorp.net>



# BARGE "DBL 89"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 17'-00"

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	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	0	0	135,531	0	126,811	0	118,090	0	109,370	0	99,838	0	89,737	0	79,638		
1/4	1/4	1/4	1/4	1/4	135,349	1/4	126,629	1/4	117,908	1/4	109,188	1/4	99,627	1/4	89,527	1/4	79,427		
1/2	1/2	1/2	1/2	1/2	135,168	1/2	126,447	1/2	117,727	1/2	109,006	1/2	99,417	1/2	89,317	1/2	79,217		
3/4	3/4	3/4	3/4	3/4	134,986	3/4	126,265	3/4	117,545	3/4	108,825	3/4	99,207	3/4	89,106	3/4	79,006		
1	1	1	1	1	134,804	1	126,084	1	117,363	1	108,643	1	98,996	1	88,896	1	78,796		
1/4	1/4	1/4	1/4	1/4	134,623	1/4	125,902	1/4	117,182	1/4	108,461	1/4	98,786	1/4	88,686	1/4	78,585		
1/2	1/2	1/2	1/2	1/2	134,441	1/2	125,720	1/2	117,000	1/2	108,280	1/2	98,575	1/2	88,476	1/2	78,375		
3/4	3/4	3/4	3/4	3/4	134,259	3/4	125,539	3/4	116,818	3/4	108,098	3/4	98,365	3/4	88,265	3/4	78,165		
2	2	2	2	2	134,078	2	125,357	2	116,637	2	107,916	2	98,154	2	88,055	2	77,954		
1/4	1/4	1/4	1/4	1/4	133,896	1/4	125,175	1/4	116,455	1/4	107,735	1/4	97,944	1/4	87,845	1/4	77,744		
1/2	1/2	1/2	1/2	1/2	133,714	1/2	124,994	1/2	116,273	1/2	107,553	1/2	97,734	1/2	87,634	1/2	77,533		
3/4	3/4	3/4	3/4	3/4	133,533	3/4	124,812	3/4	116,092	3/4	107,371	3/4	97,523	3/4	87,424	3/4	77,323		
3	3	3	3	3	133,351	3	124,630	3	115,910	3	107,190	3	97,313	3	87,213	3	77,112		
1/4	1/4	1/4	1/4	1/4	133,169	1/4	124,449	1/4	115,728	1/4	107,008	1/4	97,102	1/4	87,003	1/4	76,902		
1/2	1/2	1/2	1/2	140,946	132,988	1/2	124,267	1/2	115,547	1/2	106,826	1/2	96,892	1/2	86,793	1/2	76,691		
3/4	3/4	3/4	3/4	140,925	132,806	3/4	124,085	3/4	115,365	3/4	106,645	3/4	96,681	3/4	86,582	3/4	76,481		
4	4	4	4	140,903	132,624	4	123,904	4	115,183	4	106,463	4	96,471	4	86,372	4	76,271		
1/4	1/4	1/4	1/4	140,819	132,442	1/4	123,722	1/4	115,002	1/4	106,281	1/4	96,260	1/4	86,161	1/4	76,060		
1/2	1/2	1/2	1/2	140,735	132,261	1/2	123,540	1/2	114,820	1/2	106,099	1/2	96,050	1/2	85,951	1/2	75,850		
3/4	3/4	3/4	3/4	140,650	132,079	3/4	123,359	3/4	114,638	3/4	105,918	3/4	95,840	3/4	85,740	3/4	75,639		
5	5	5	5	140,566	131,897	5	123,177	5	114,457	5	105,736	5	95,629	5	85,530	5	75,429		
1/4	1/4	1/4	1/4	140,397	131,716	1/4	122,995	1/4	114,275	1/4	105,525	1/4	95,419	1/4	85,319	1/4	75,218		
1/2	1/2	1/2	1/2	140,229	131,534	1/2	122,814	1/2	114,093	1/2	105,314	1/2	95,208	1/2	85,109	1/2	75,008		
3/4	3/4	3/4	3/4	140,060	131,352	3/4	122,632	3/4	113,912	3/4	105,103	3/4	94,998	3/4	84,899	3/4	74,798		
6	6	6	6	139,891	131,171	6	122,450	6	113,730	6	104,892	6	94,787	6	84,688	6	74,587		
1/4	1/4	1/4	1/4	139,710	130,989	1/4	122,269	1/4	113,548	1/4	104,681	1/4	94,577	1/4	84,478	1/4	74,377		
1/2	1/2	1/2	1/2	139,528	130,807	1/2	122,087	1/2	113,367	1/2	104,471	1/2	94,367	1/2	84,267	1/2	74,166		
3/4	3/4	3/4	3/4	139,346	130,626	3/4	121,905	3/4	113,185	3/4	104,260	3/4	94,156	3/4	84,057	3/4	73,956		
7	7	7	7	139,164	130,444	7	121,724	7	113,003	7	104,049	7	93,946	7	83,846	7	73,745		
1/4	1/4	1/4	1/4	138,983	130,262	1/4	121,542	1/4	112,821	1/4	103,838	1/4	93,735	1/4	83,636	1/4	73,535		
1/2	1/2	1/2	1/2	138,801	130,081	1/2	121,360	1/2	112,640	1/2	103,627	1/2	93,525	1/2	83,425	1/2	73,324		
3/4	3/4	3/4	3/4	138,619	129,899	3/4	121,179	3/4	112,458	3/4	103,416	3/4	93,314	3/4	83,215	3/4	73,114		
8	8	8	8	138,438	129,717	8	120,997	8	112,276	8	103,205	8	93,104	8	83,005	8	72,904		
1/4	1/4	1/4	1/4	138,256	129,536	1/4	120,815	1/4	112,095	1/4	102,994	1/4	92,894	1/4	82,794	1/4	72,693		
1/2	1/2	1/2	1/2	138,074	129,354	1/2	120,634	1/2	111,913	1/2	102,784	1/2	92,683	1/2	82,584	1/2	72,483		
3/4	3/4	3/4	3/4	137,893	129,172	3/4	120,452	3/4	111,731	3/4	102,574	3/4	92,473	3/4	82,373	3/4	72,272		
9	9	9	9	137,711	128,991	9	120,270	9	111,550	9	102,363	9	92,262	9	82,163	9	72,062		
1/4	1/4	1/4	1/4	137,529	128,809	1/4	120,089	1/4	111,368	1/4	102,153	1/4	92,052	1/4	81,952	1/4	71,851		
1/2	1/2	1/2	1/2	137,348	128,627	1/2	119,907	1/2	111,186	1/2	101,942	1/2	91,841	1/2	81,742	1/2	71,641		
3/4	3/4	3/4	3/4	137,166	128,446	3/4	119,725	3/4	111,005	3/4	101,732	3/4	91,631	3/4	81,532	3/4	71,430		
10	10	10	10	136,984	128,264	10	119,543	10	110,823	10	101,521	10	91,420	10	81,321	10	71,220		
1/4	1/4	1/4	1/4	136,803	128,082	1/4	119,362	1/4	110,641	1/4	101,311	1/4	91,210	1/4	81,111	1/4	71,010		
1/2	1/2	1/2	1/2	136,621	127,901	1/2	119,180	1/2	110,460	1/2	101,101	1/2	91,000	1/2	80,900	1/2	70,799		
3/4	3/4	3/4	3/4	136,439	127,719	3/4	118,998	3/4	110,278	3/4	100,890	3/4	90,789	3/4	80,690	3/4	70,589		
11	11	11	11	136,258	127,537	11	118,817	11	110,096	11	100,680	11	90,579	11	80,479	11	70,378		
1/4	1/4	1/4	1/4	136,076	127,356	1/4	118,635	1/4	109,915	1/4	100,469	1/4	90,368	1/4	80,269	1/4	70,168		
1/2	1/2	1/2	1/2	135,894	127,174	1/2	118,453	1/2	109,733	1/2	100,259	1/2	90,158	1/2	80,058	1/2	69,958		
3/4	3/4	3/4	3/4	135,713	126,992	3/4	118,272	3/4	109,551	3/4	100,048	3/4	89,947	3/4	79,848	3/4	69,747		

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "DBL 89"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 17'-00"

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	69,537	0	59,436	0	49,336	0	39,235	0	29,135	0	19,023	0	8,966	0	39	0		0	
1/4	69,326	1/4	59,226	1/4	49,125	1/4	39,025	1/4	28,924	1/4	18,812	1/4	8,755	1/4		1/4		1/4	
1/2	69,116	1/2	59,015	1/2	48,915	1/2	38,814	1/2	28,714	1/2	18,602	1/2	8,544	1/2		1/2		1/2	
3/4	68,905	3/4	58,805	3/4	48,704	3/4	38,604	3/4	28,504	3/4	18,391	3/4	8,334	3/4		3/4		3/4	
1	68,695	1	58,594	1	48,494	1	38,394	1	28,293	1	18,181	1	8,123	1		1		1	
1/4	68,485	1/4	58,384	1/4	48,284	1/4	38,183	1/4	28,083	1/4	17,970	1/4	7,912	1/4		1/4		1/4	
1/2	68,274	1/2	58,174	1/2	48,073	1/2	37,973	1/2	27,872	1/2	17,759	1/2	7,701	1/2		1/2		1/2	
3/4	68,064	3/4	57,963	3/4	47,863	3/4	37,762	3/4	27,662	3/4	17,549	3/4	7,490	3/4		3/4		3/4	
2	67,853	2	57,753	2	47,652	2	37,552	2	27,451	2	17,338	2	7,279	2		2		2	
1/4	67,643	1/4	57,542	1/4	47,442	1/4	37,341	1/4	27,241	1/4	17,128	1/4	7,068	1/4		1/4		1/4	
1/2	67,432	1/2	57,332	1/2	47,231	1/2	37,131	1/2	27,031	1/2	16,917	1/2	6,857	1/2		1/2		1/2	
3/4	67,222	3/4	57,122	3/4	47,021	3/4	36,921	3/4	26,820	3/4	16,706	3/4	6,646	3/4		3/4		3/4	
3	67,012	3	56,911	3	46,811	3	36,710	3	26,610	3	16,496	3	6,435	3		3		3	
1/4	66,801	1/4	56,701	1/4	46,600	1/4	36,500	1/4	26,399	1/4	16,285	1/4	6,224	1/4		1/4		1/4	
1/2	66,591	1/2	56,490	1/2	46,390	1/2	36,289	1/2	26,188	1/2	16,075	1/2	6,013	1/2		1/2		1/2	
3/4	66,380	3/4	56,280	3/4	46,179	3/4	36,079	3/4	25,978	3/4	15,864	3/4	5,802	3/4		3/4		3/4	
4	66,170	4	56,069	4	45,969	4	35,868	4	25,767	4	15,653	4	5,591	4		4		4	
1/4	65,959	1/4	55,859	1/4	45,759	1/4	35,658	1/4	25,556	1/4	15,443	1/4	5,380	1/4		1/4		1/4	
1/2	65,749	1/2	55,649	1/2	45,548	1/2	35,448	1/2	25,345	1/2	15,232	1/2	5,169	1/2		1/2		1/2	
3/4	65,539	3/4	55,438	3/4	45,338	3/4	35,237	3/4	25,134	3/4	15,021	3/4	4,958	3/4		3/4		3/4	
5	65,328	5	55,228	5	45,127	5	35,027	5	24,923	5	14,810	5	4,747	5		5		5	
1/4	65,118	1/4	55,017	1/4	44,917	1/4	34,816	1/4	24,712	1/4	14,599	1/4	4,536	1/4		1/4		1/4	
1/2	64,907	1/2	54,807	1/2	44,706	1/2	34,606	1/2	24,502	1/2	14,388	1/2	4,325	1/2		1/2		1/2	
3/4	64,697	3/4	54,596	3/4	44,496	3/4	34,395	3/4	24,291	3/4	14,177	3/4	4,114	3/4		3/4		3/4	
6	64,486	6	54,386	6	44,286	6	34,185	6	24,080	6	13,966	6	3,903	6		6		6	
1/4	64,276	1/4	54,176	1/4	44,075	1/4	33,975	1/4	23,869	1/4	13,755	1/4	3,697	1/4		1/4		1/4	
1/2	64,066	1/2	53,965	1/2	43,865	1/2	33,764	1/2	23,658	1/2	13,544	1/2	3,490	1/2		1/2		1/2	
3/4	63,855	3/4	53,755	3/4	43,654	3/4	33,554	3/4	23,447	3/4	13,333	3/4	3,284	3/4		3/4		3/4	
7	63,645	7	53,544	7	43,444	7	33,343	7	23,236	7	13,122	7	3,077	7		7		7	
1/4	63,434	1/4	53,334	1/4	43,233	1/4	33,133	1/4	23,025	1/4	12,914	1/4	2,885	1/4		1/4		1/4	
1/2	63,224	1/2	53,123	1/2	43,023	1/2	32,923	1/2	22,814	1/2	12,706	1/2	2,692	1/2		1/2		1/2	
3/4	63,013	3/4	52,913	3/4	42,813	3/4	32,712	3/4	22,603	3/4	12,497	3/4	2,499	3/4		3/4		3/4	
8	62,803	8	52,703	8	42,602	8	32,502	8	22,392	8	12,289	8	2,306	8		8		8	
1/4	62,593	1/4	52,492	1/4	42,392	1/4	32,291	1/4	22,182	1/4	12,083	1/4	2,108	1/4		1/4		1/4	
1/2	62,382	1/2	52,282	1/2	42,181	1/2	32,081	1/2	21,971	1/2	11,878	1/2	1,911	1/2		1/2		1/2	
3/4	62,172	3/4	52,071	3/4	41,971	3/4	31,870	3/4	21,761	3/4	11,672	3/4	1,714	3/4		3/4		3/4	
9	61,961	9	51,861	9	41,760	9	31,660	9	21,550	9	11,466	9	1,516	9		9		9	
1/4	61,751	1/4	51,650	1/4	41,550	1/4	31,450	1/4	21,339	1/4	11,261	1/4	1,316	1/4		1/4		1/4	
1/2	61,540	1/2	51,440	1/2	41,340	1/2	31,239	1/2	21,129	1/2	11,055	1/2	1,115	1/2		1/2		1/2	
3/4	61,330	3/4	51,230	3/4	41,129	3/4	31,029	3/4	20,918	3/4	10,849	3/4	915	3/4		3/4		3/4	
10	61,120	10	51,019	10	40,919	10	30,818	10	20,708	10	10,644	10	714	10		10		10	
1/4	60,909	1/4	50,809	1/4	40,708	1/4	30,608	1/4	20,497	1/4	10,435	1/4	588	1/4		1/4		1/4	
1/2	60,699	1/2	50,598	1/2	40,498	1/2	30,397	1/2	20,286	1/2	10,227	1/2	461	1/2		1/2		1/2	
3/4	60,488	3/4	50,388	3/4	40,287	3/4	30,187	3/4	20,076	3/4	10,019	3/4	335	3/4		3/4		3/4	
11	60,278	11	50,177	11	40,077	11	29,977	11	19,865	11	9,810	11	208	11		11		11	
1/4	60,067	1/4	49,967	1/4	39,867	1/4	29,766	1/4	19,655	1/4	9,599	1/4	166	1/4		1/4		1/4	
1/2	59,857	1/2	49,757	1/2	39,656	1/2	29,556	1/2	19,444	1/2	9,388	1/2	124	1/2		1/2		1/2	
3/4	59,647	3/4	49,546	3/4	39,446	3/4	29,345	3/4	19,234	3/4	9,177	3/4	81	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

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



# BARGE "DBL 89"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 16'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	156,945	0	145,618	0	134,292	0	122,965	0	111,639	0	100,313	0	88,988			
1/4	1/4	1/4	1/4	1/4	1/4	156,709	1/4	145,382	1/4	134,056	1/4	122,729	1/4	111,403	1/4	100,077	1/4	88,752			
1/2	1/2	1/2	1/2	1/2	1/2	156,473	1/2	145,146	1/2	133,820	1/2	122,494	1/2	111,167	1/2	99,841	1/2	88,516			
3/4	3/4	3/4	3/4	3/4	3/4	156,237	3/4	144,910	3/4	133,584	3/4	122,258	3/4	110,931	3/4	99,605	3/4	88,280			
1	1	1	1	1	1	156,001	1	144,675	1	133,348	1	122,022	1	110,695	1	99,370	1	88,044			
1/4	1/4	1/4	1/4	1/4	1/4	155,765	1/4	144,439	1/4	133,112	1/4	121,786	1/4	110,459	1/4	99,134	1/4	87,808			
1/2	1/2	1/2	1/2	1/2	1/2	155,529	1/2	144,203	1/2	132,876	1/2	121,550	1/2	110,223	1/2	98,898	1/2	87,572			
3/4	3/4	3/4	3/4	3/4	3/4	155,293	3/4	143,967	3/4	132,640	3/4	121,314	3/4	109,987	3/4	98,662	3/4	87,336			
2	2	2	2	2	2	155,057	2	143,731	2	132,404	2	121,078	2	109,751	2	98,426	2	87,100			
1/4	1/4	1/4	1/4	1/4	1/4	154,821	1/4	143,495	1/4	132,168	1/4	120,842	1/4	109,515	1/4	98,190	1/4	86,864			
1/2	1/2	1/2	1/2	1/2	1/2	154,585	1/2	143,259	1/2	131,932	1/2	120,606	1/2	109,279	1/2	97,954	1/2	86,628			
3/4	3/4	3/4	3/4	3/4	3/4	154,349	3/4	143,023	3/4	131,696	3/4	120,370	3/4	109,043	3/4	97,719	3/4	86,392			
3	3	3	3	3	3	154,113	3	142,787	3	131,460	3	120,134	3	108,807	3	97,483	3	86,156			
1/4	1/4	1/4	1/4	1/4	1/4	164,024	1/4	153,877	1/4	142,551	1/4	131,224	1/4	119,898	1/4	108,571	1/4	97,247	1/4	85,920	
1/2	1/2	1/2	1/2	1/2	1/2	164,000	1/2	153,641	1/2	142,315	1/2	130,988	1/2	119,662	1/2	108,335	1/2	97,011	1/2	85,684	
3/4	3/4	3/4	3/4	3/4	3/4	163,977	3/4	153,405	3/4	142,079	3/4	130,752	3/4	119,426	3/4	108,099	3/4	96,775	3/4	85,448	
4	4	4	4	4	4	163,882	4	153,169	4	141,843	4	130,516	4	119,190	4	107,864	4	96,539	4	85,212	
1/4	1/4	1/4	1/4	1/4	1/4	163,788	1/4	152,933	1/4	141,607	1/4	130,280	1/4	118,954	1/4	107,628	1/4	96,303	1/4	84,976	
1/2	1/2	1/2	1/2	1/2	1/2	163,693	1/2	152,697	1/2	141,371	1/2	130,044	1/2	118,718	1/2	107,392	1/2	96,067	1/2	84,740	
3/4	3/4	3/4	3/4	3/4	3/4	163,599	3/4	152,461	3/4	141,135	3/4	129,809	3/4	118,482	3/4	107,156	3/4	95,831	3/4	84,504	
5	5	5	5	5	5	163,410	5	152,225	5	140,899	5	129,573	5	118,246	5	106,920	5	95,595	5	84,268	
1/4	1/4	1/4	1/4	1/4	1/4	163,222	1/4	151,990	1/4	140,663	1/4	129,337	1/4	118,010	1/4	106,684	1/4	95,359	1/4	84,032	
1/2	1/2	1/2	1/2	1/2	1/2	163,033	1/2	151,754	1/2	140,427	1/2	129,101	1/2	117,774	1/2	106,448	1/2	95,123	1/2	83,796	
3/4	3/4	3/4	3/4	3/4	3/4	162,844	3/4	151,518	3/4	140,191	3/4	128,865	3/4	117,538	3/4	106,212	3/4	94,887	3/4	83,560	
6	6	6	6	6	6	162,608	6	151,282	6	139,955	6	128,629	6	117,302	6	105,976	6	94,651	6	83,324	
1/4	1/4	1/4	1/4	1/4	1/4	162,372	1/4	151,046	1/4	139,719	1/4	128,393	1/4	117,066	1/4	105,740	1/4	94,415	1/4	83,088	
1/2	1/2	1/2	1/2	1/2	1/2	162,136	1/2	150,810	1/2	139,483	1/2	128,157	1/2	116,830	1/2	105,504	1/2	94,179	1/2	82,852	
3/4	3/4	3/4	3/4	3/4	3/4	161,900	3/4	150,574	3/4	139,247	3/4	127,921	3/4	116,594	3/4	105,268	3/4	93,943	3/4	82,616	
7	7	7	7	7	7	161,664	7	150,338	7	139,011	7	127,685	7	116,358	7	105,032	7	93,707	7	82,380	
1/4	1/4	1/4	1/4	1/4	1/4	161,428	1/4	150,102	1/4	138,775	1/4	127,449	1/4	116,122	1/4	104,796	1/4	93,471	1/4	82,145	
1/2	1/2	1/2	1/2	1/2	1/2	161,192	1/2	149,866	1/2	138,539	1/2	127,213	1/2	115,886	1/2	104,560	1/2	93,235	1/2	81,909	
3/4	3/4	3/4	3/4	3/4	3/4	160,956	3/4	149,630	3/4	138,303	3/4	126,977	3/4	115,650	3/4	104,324	3/4	92,999	3/4	81,673	
8	8	8	8	8	8	160,720	8	149,394	8	138,067	8	126,741	8	115,414	8	104,088	8	92,763	8	81,437	
1/4	1/4	1/4	1/4	1/4	1/4	160,484	1/4	149,158	1/4	137,831	1/4	126,505	1/4	115,179	1/4	103,852	1/4	92,527	1/4	81,201	
1/2	1/2	1/2	1/2	1/2	1/2	160,248	1/2	148,922	1/2	137,595	1/2	126,269	1/2	114,943	1/2	103,616	1/2	92,291	1/2	80,965	
3/4	3/4	3/4	3/4	3/4	3/4	160,012	3/4	148,686	3/4	137,359	3/4	126,033	3/4	114,707	3/4	103,380	3/4	92,055	3/4	80,729	
9	9	9	9	9	9	159,776	9	148,450	9	137,124	9	125,797	9	114,471	9	103,144	9	91,819	9	80,493	
1/4	1/4	1/4	1/4	1/4	1/4	159,540	1/4	148,214	1/4	136,888	1/4	125,561	1/4	114,235	1/4	102,908	1/4	91,583	1/4	80,257	
1/2	1/2	1/2	1/2	1/2	1/2	159,305	1/2	147,978	1/2	136,652	1/2	125,325	1/2	113,999	1/2	102,672	1/2	91,347	1/2	80,021	
3/4	3/4	3/4	3/4	3/4	3/4	159,069	3/4	147,742	3/4	136,416	3/4	125,089	3/4	113,763	3/4	102,436	3/4	91,111	3/4	79,785	
10	10	10	10	10	10	158,833	10	147,506	10	136,180	10	124,853	10	113,527	10	102,200	10	90,875	10	79,549	
1/4	1/4	1/4	1/4	1/4	1/4	158,597	1/4	147,270	1/4	135,944	1/4	124,617	1/4	113,291	1/4	101,964	1/4	90,639	1/4	79,313	
1/2	1/2	1/2	1/2	1/2	1/2	158,361	1/2	147,034	1/2	135,708	1/2	124,381	1/2	113,055	1/2	101,728	1/2	90,403	1/2	79,077	
3/4	3/4	3/4	3/4	3/4	3/4	158,125	3/4	146,798	3/4	135,472	3/4	124,145	3/4	112,819	3/4	101,492	3/4	90,167	3/4	78,841	
11	11	11	11	11	11	157,889	11	146,562	11	135,236	11	123,909	11	112,583	11	101,256	11	89,932	11	78,605	
1/4	1/4	1/4	1/4	1/4	1/4	157,653	1/4	146,326	1/4	135,000	1/4	123,673	1/4	112,347	1/4	101,020	1/4	89,696	1/4	78,369	
1/2	1/2	1/2	1/2	1/2	1/2	157,417	1/2	146,090	1/2	134,764	1/2	123,437	1/2	112,111	1/2	100,784	1/2	89,460	1/2	78,133	
3/4	3/4	3/4	3/4	3/4	3/4	157,181	3/4	145,854	3/4	134,528	3/4	123,201	3/4	111,875	3/4	100,549	3/4	89,224	3/4	77,897	

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "DBL 89"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 16'-11 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	77,425	1/4	66,099	1/4	54,772	1/4	43,445	1/4	32,119	1/4	20,812	1/4	9,571	1/4		1/4		1/4		1/4	
1/2	77,189	1/2	65,863	1/2	54,536	1/2	43,209	1/2	31,883	1/2	20,577	1/2	9,335	1/2		1/2		1/2		1/2	
3/4	76,953	3/4	65,627	3/4	54,300	3/4	42,973	3/4	31,647	3/4	20,343	3/4	9,099	3/4		3/4		3/4		3/4	
1	76,717	1	65,391	1	54,064	1	42,738	1	31,411	1	20,108	1	8,863	1		1		1		1	
1/4	76,481	1/4	65,155	1/4	53,828	1/4	42,502	1/4	31,175	1/4	19,873	1/4	8,627	1/4		1/4		1/4		1/4	
1/2	76,245	1/2	64,919	1/2	53,592	1/2	42,266	1/2	30,939	1/2	19,638	1/2	8,391	1/2		1/2		1/2		1/2	
3/4	76,009	3/4	64,683	3/4	53,356	3/4	42,030	3/4	30,703	3/4	19,403	3/4	8,155	3/4		3/4		3/4		3/4	
2	75,773	2	64,447	2	53,120	2	41,794	2	30,467	2	19,168	2	7,919	2		2		2		2	
1/4	75,537	1/4	64,211	1/4	52,884	1/4	41,558	1/4	30,231	1/4	18,933	1/4	7,683	1/4		1/4		1/4		1/4	
1/2	75,301	1/2	63,975	1/2	52,648	1/2	41,322	1/2	29,995	1/2	18,699	1/2	7,447	1/2		1/2		1/2		1/2	
3/4	75,065	3/4	63,739	3/4	52,412	3/4	41,086	3/4	29,759	3/4	18,464	3/4	7,211	3/4		3/4		3/4		3/4	
3	74,829	3	63,503	3	52,176	3	40,850	3	29,523	3	18,229	3	6,975	3		3		3		3	
1/4	74,593	1/4	63,267	1/4	51,940	1/4	40,614	1/4	29,287	1/4	17,994	1/4	6,739	1/4		1/4		1/4		1/4	
1/2	74,357	1/2	63,031	1/2	51,704	1/2	40,378	1/2	29,051	1/2	17,759	1/2	6,503	1/2		1/2		1/2		1/2	
3/4	74,122	3/4	62,795	3/4	51,468	3/4	40,142	3/4	28,815	3/4	17,524	3/4	6,267	3/4		3/4		3/4		3/4	
4	73,886	4	62,559	4	51,232	4	39,906	4	28,579	4	17,289	4	6,031	4		4		4		4	
1/4	73,650	1/4	62,323	1/4	50,996	1/4	39,670	1/4	28,343	1/4	17,054	1/4	5,795	1/4		1/4		1/4		1/4	
1/2	73,414	1/2	62,087	1/2	50,760	1/2	39,434	1/2	28,107	1/2	16,819	1/2	5,559	1/2		1/2		1/2		1/2	
3/4	73,178	3/4	61,851	3/4	50,525	3/4	39,198	3/4	27,871	3/4	16,584	3/4	5,323	3/4		3/4		3/4		3/4	
5	72,942	5	61,615	5	50,289	5	38,962	5	27,635	5	16,349	5	5,087	5		5		5		5	
1/4	72,706	1/4	61,379	1/4	50,053	1/4	38,726	1/4	27,399	1/4	16,113	1/4	4,851	1/4		1/4		1/4		1/4	
1/2	72,470	1/2	61,143	1/2	49,817	1/2	38,490	1/2	27,163	1/2	15,878	1/2	4,615	1/2		1/2		1/2		1/2	
3/4	72,234	3/4	60,907	3/4	49,581	3/4	38,254	3/4	26,928	3/4	15,643	3/4	4,379	3/4		3/4		3/4		3/4	
6	71,998	6	60,671	6	49,345	6	38,018	6	26,692	6	15,407	6	4,147	6		6		6		6	
1/4	71,762	1/4	60,435	1/4	49,109	1/4	37,782	1/4	26,456	1/4	15,171	1/4	3,916	1/4		1/4		1/4		1/4	
1/2	71,526	1/2	60,199	1/2	48,873	1/2	37,546	1/2	26,220	1/2	14,935	1/2	3,684	1/2		1/2		1/2		1/2	
3/4	71,290	3/4	59,963	3/4	48,637	3/4	37,310	3/4	25,984	3/4	14,699	3/4	3,453	3/4		3/4		3/4		3/4	
7	71,054	7	59,727	7	48,401	7	37,074	7	25,748	7	14,466	7	3,235	7		7		7		7	
1/4	70,818	1/4	59,491	1/4	48,165	1/4	36,838	1/4	25,512	1/4	14,233	1/4	3,017	1/4		1/4		1/4		1/4	
1/2	70,582	1/2	59,255	1/2	47,929	1/2	36,602	1/2	25,276	1/2	13,999	1/2	2,799	1/2		1/2		1/2		1/2	
3/4	70,346	3/4	59,019	3/4	47,693	3/4	36,366	3/4	25,040	3/4	13,766	3/4	2,581	3/4		3/4		3/4		3/4	
8	70,110	8	58,783	8	47,457	8	36,130	8	24,805	8	13,535	8	2,359	8		8		8		8	
1/4	69,874	1/4	58,548	1/4	47,221	1/4	35,894	1/4	24,570	1/4	13,304	1/4	2,136	1/4		1/4		1/4		1/4	
1/2	69,638	1/2	58,312	1/2	46,985	1/2	35,658	1/2	24,335	1/2	13,074	1/2	1,914	1/2		1/2		1/2		1/2	
3/4	69,402	3/4	58,076	3/4	46,749	3/4	35,422	3/4	24,100	3/4	12,843	3/4	1,691	3/4		3/4		3/4		3/4	
9	69,166	9	57,840	9	46,513	9	35,186	9	23,865	9	12,612	9	1,467	9		9		9		9	
1/4	68,930	1/4	57,604	1/4	46,277	1/4	34,951	1/4	23,631	1/4	12,382	1/4	1,243	1/4		1/4		1/4		1/4	
1/2	68,694	1/2	57,368	1/2	46,041	1/2	34,715	1/2	23,396	1/2	12,151	1/2	1,019	1/2		1/2		1/2		1/2	
3/4	68,458	3/4	57,132	3/4	45,805	3/4	34,479	3/4	23,161	3/4	11,920	3/4	795	3/4		3/4		3/4		3/4	
10	68,222	10	56,896	10	45,569	10	34,243	10	22,926	10	11,687	10	653	10		10		10		10	
1/4	67,986	1/4	56,660	1/4	45,333	1/4	34,007	1/4	22,691	1/4	11,453	1/4	511	1/4		1/4		1/4		1/4	
1/2	67,750	1/2	56,424	1/2	45,097	1/2	33,771	1/2	22,456	1/2	11,220	1/2	370	1/2		1/2		1/2		1/2	
3/4	67,514	3/4	56,188	3/4	44,861	3/4	33,535	3/4	22,221	3/4	10,987	3/4	228	3/4		3/4		3/4		3/4	
11	67,278	11	55,952	11	44,625	11	33,299	11	21,987	11	10,751	11	181	11		11		11		11	
1/4	67,042	1/4	55,716	1/4	44,389	1/4	33,063	1/4	21,752	1/4	10,515	1/4	134	1/4		1/4		1/4		1/4	
1/2	66,806	1/2	55,480	1/2	44,153	1/2	32,827	1/2	21,517	1/2	10,279	1/2	87	1/2		1/2		1/2		1/2	
3/4	66,570	3/4	55,244	3/4	43,917	3/4	32,591	3/4	21,282	3/4	10,043	3/4	39	3/4		3/4		3/4		3/4	

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "DBL 89"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 17'-00 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	150,423	0	139,618	0	128,812	0	118,007	0	107,201	0	96,396	0	85,592		
1/4	1/4	1/4	1/4	1/4	150,198	1/4	139,392	1/4	128,587	1/4	117,782	1/4	106,976	1/4	96,171	1/4	85,367		
1/2	1/2	1/2	1/2	1/2	149,973	1/2	139,167	1/2	128,362	1/2	117,556	1/2	106,751	1/2	95,946	1/2	85,142		
3/4	3/4	3/4	3/4	3/4	149,748	3/4	138,942	3/4	128,137	3/4	117,331	3/4	106,526	3/4	95,721	3/4	84,917		
1	1	1	1	1	149,523	1	138,717	1	127,912	1	117,106	1	106,301	1	95,496	1	84,691		
1/4	1/4	1/4	1/4	1/4	149,297	1/4	138,492	1/4	127,687	1/4	116,881	1/4	106,076	1/4	95,271	1/4	84,466		
1/2	1/2	1/2	1/2	1/2	149,072	1/2	138,267	1/2	127,461	1/2	116,656	1/2	105,851	1/2	95,046	1/2	84,241		
3/4	3/4	3/4	3/4	3/4	148,847	3/4	138,042	3/4	127,236	3/4	116,431	3/4	105,625	3/4	94,821	3/4	84,016		
2	2	2	2	2	148,622	2	137,817	2	127,011	2	116,206	2	105,400	2	94,596	2	83,791		
1/4	1/4	1/4	1/4	1/4	148,397	1/4	137,592	1/4	126,786	1/4	115,981	1/4	105,175	1/4	94,371	1/4	83,566		
1/2	1/2	1/2	1/2	1/2	148,172	1/2	137,366	1/2	126,561	1/2	115,756	1/2	104,950	1/2	94,146	1/2	83,341		
3/4	3/4	3/4	3/4	3/4	147,947	3/4	137,141	3/4	126,336	3/4	115,530	3/4	104,725	3/4	93,921	3/4	83,116		
3	3	3	3	3	147,722	3	136,916	3	126,111	3	115,305	3	104,500	3	93,696	3	82,891		
1/4	1/4	1/4	1/4	1/4	147,497	1/4	136,691	1/4	125,886	1/4	115,080	1/4	104,275	1/4	93,471	1/4	82,665		
1/2	1/2	1/2	1/2	1/2	147,271	1/2	136,466	1/2	125,661	1/2	114,855	1/2	104,050	1/2	93,246	1/2	82,440		
3/4	3/4	3/4	3/4	3/4	147,046	3/4	136,241	3/4	125,435	3/4	114,630	3/4	103,825	3/4	93,021	3/4	82,215		
4	4	4	4	4	156,501	4	146,821	4	136,016	4	125,210	4	114,405	4	103,599	4	92,796	4	81,990
1/4	1/4	1/4	1/4	1/4	156,478	1/4	146,596	1/4	135,791	1/4	124,985	1/4	114,180	1/4	103,374	1/4	92,570	1/4	81,765
1/2	1/2	1/2	1/2	1/2	156,456	1/2	146,371	1/2	135,566	1/2	124,760	1/2	113,955	1/2	103,149	1/2	92,345	1/2	81,540
3/4	3/4	3/4	3/4	3/4	156,366	3/4	146,146	3/4	135,340	3/4	124,535	3/4	113,730	3/4	102,924	3/4	92,120	3/4	81,315
5	5	5	5	5	156,276	5	145,921	5	135,115	5	124,310	5	113,504	5	102,699	5	91,895	5	81,090
1/4	1/4	1/4	1/4	1/4	156,186	1/4	145,696	1/4	134,890	1/4	124,085	1/4	113,279	1/4	102,474	1/4	91,670	1/4	80,864
1/2	1/2	1/2	1/2	1/2	156,096	1/2	145,471	1/2	134,665	1/2	123,860	1/2	113,054	1/2	102,249	1/2	91,445	1/2	80,639
3/4	3/4	3/4	3/4	3/4	155,916	3/4	145,245	3/4	134,440	3/4	123,635	3/4	112,829	3/4	102,024	3/4	91,220	3/4	80,414
6	6	6	6	6	155,736	6	145,020	6	134,215	6	123,409	6	112,604	6	101,799	6	90,995	6	80,189
1/4	1/4	1/4	1/4	1/4	155,556	1/4	144,795	1/4	133,990	1/4	123,184	1/4	112,379	1/4	101,573	1/4	90,770	1/4	79,964
1/2	1/2	1/2	1/2	1/2	155,376	1/2	144,570	1/2	133,765	1/2	122,959	1/2	112,154	1/2	101,348	1/2	90,544	1/2	79,739
3/4	3/4	3/4	3/4	3/4	155,150	3/4	144,345	3/4	133,540	3/4	122,734	3/4	111,929	3/4	101,123	3/4	90,319	3/4	79,514
7	7	7	7	7	154,925	7	144,120	7	133,314	7	122,509	7	111,703	7	100,898	7	90,094	7	79,289
1/4	1/4	1/4	1/4	1/4	154,700	1/4	143,895	1/4	133,089	1/4	122,284	1/4	111,478	1/4	100,673	1/4	89,869	1/4	79,064
1/2	1/2	1/2	1/2	1/2	154,475	1/2	143,670	1/2	132,864	1/2	122,059	1/2	111,253	1/2	100,448	1/2	89,644	1/2	78,838
3/4	3/4	3/4	3/4	3/4	154,250	3/4	143,445	3/4	132,639	3/4	121,834	3/4	111,028	3/4	100,223	3/4	89,419	3/4	78,613
8	8	8	8	8	154,025	8	143,219	8	132,414	8	121,608	8	110,803	8	99,998	8	89,194	8	78,388
1/4	1/4	1/4	1/4	1/4	153,800	1/4	142,994	1/4	132,189	1/4	121,383	1/4	110,578	1/4	99,772	1/4	88,969	1/4	78,163
1/2	1/2	1/2	1/2	1/2	153,575	1/2	142,769	1/2	131,964	1/2	121,158	1/2	110,353	1/2	99,547	1/2	88,744	1/2	77,938
3/4	3/4	3/4	3/4	3/4	153,349	3/4	142,544	3/4	131,739	3/4	120,933	3/4	110,128	3/4	99,322	3/4	88,518	3/4	77,713
9	9	9	9	9	153,124	9	142,319	9	131,513	9	120,708	9	109,903	9	99,097	9	88,293	9	77,488
1/4	1/4	1/4	1/4	1/4	152,899	1/4	142,094	1/4	131,288	1/4	120,483	1/4	109,677	1/4	98,872	1/4	88,068	1/4	77,263
1/2	1/2	1/2	1/2	1/2	152,674	1/2	141,869	1/2	131,063	1/2	120,258	1/2	109,452	1/2	98,647	1/2	87,843	1/2	77,038
3/4	3/4	3/4	3/4	3/4	152,449	3/4	141,644	3/4	130,838	3/4	120,033	3/4	109,227	3/4	98,422	3/4	87,618	3/4	76,812
10	10	10	10	10	152,224	10	141,418	10	130,613	10	119,808	10	109,002	10	98,197	10	87,393	10	76,587
1/4	1/4	1/4	1/4	1/4	151,999	1/4	141,193	1/4	130,388	1/4	119,582	1/4	108,777	1/4	97,972	1/4	87,168	1/4	76,362
1/2	1/2	1/2	1/2	1/2	151,774	1/2	140,968	1/2	130,163	1/2	119,357	1/2	108,552	1/2	97,746	1/2	86,943	1/2	76,137
3/4	3/4	3/4	3/4	3/4	151,549	3/4	140,743	3/4	129,938	3/4	119,132	3/4	108,327	3/4	97,521	3/4	86,717	3/4	75,912
11	11	11	11	11	151,323	11	140,518	11	129,713	11	118,907	11	108,102	11	97,296	11	86,492	11	75,687
1/4	1/4	1/4	1/4	1/4	151,098	1/4	140,293	1/4	129,487	1/4	118,682	1/4	107,877	1/4	97,071	1/4	86,267	1/4	75,462
1/2	1/2	1/2	1/2	1/2	150,873	1/2	140,068	1/2	129,262	1/2	118,457	1/2	107,651	1/2	96,846	1/2	86,042	1/2	75,237
3/4	3/4	3/4	3/4	3/4	150,648	3/4	139,843	3/4	129,037	3/4	118,232	3/4	107,426	3/4	96,621	3/4	85,817	3/4	75,011

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 WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "DBL 89"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 17'-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	74,786	0	63,981	0	53,175	0	42,370	0	31,564	0	20,763	0	10,027	0	129	0		0	
1/4	74,561	1/4	63,756	1/4	52,950	1/4	42,145	1/4	31,339	1/4	20,538	1/4	9,801	1/4	84	1/4		1/4	
1/2	74,336	1/2	63,531	1/2	52,725	1/2	41,920	1/2	31,114	1/2	20,313	1/2	9,576	1/2	39	1/2		1/2	
3/4	74,111	3/4	63,305	3/4	52,500	3/4	41,694	3/4	30,889	3/4	20,089	3/4	9,351	3/4		3/4		3/4	
1	73,886	1	63,080	1	52,275	1	41,469	1	30,664	1	19,864	1	9,126	1		1		1	
1/4	73,661	1/4	62,855	1/4	52,050	1/4	41,244	1/4	30,439	1/4	19,639	1/4	8,901	1/4		1/4		1/4	
1/2	73,436	1/2	62,630	1/2	51,825	1/2	41,019	1/2	30,214	1/2	19,414	1/2	8,676	1/2		1/2		1/2	
3/4	73,211	3/4	62,405	3/4	51,599	3/4	40,794	3/4	29,988	3/4	19,190	3/4	8,450	3/4		3/4		3/4	
2	72,985	2	62,180	2	51,374	2	40,569	2	29,763	2	18,965	2	8,225	2		2		2	
1/4	72,760	1/4	61,955	1/4	51,149	1/4	40,344	1/4	29,538	1/4	18,740	1/4	8,000	1/4		1/4		1/4	
1/2	72,535	1/2	61,730	1/2	50,924	1/2	40,119	1/2	29,313	1/2	18,515	1/2	7,775	1/2		1/2		1/2	
3/4	72,310	3/4	61,505	3/4	50,699	3/4	39,893	3/4	29,088	3/4	18,290	3/4	7,550	3/4		3/4		3/4	
3	72,085	3	61,279	3	50,474	3	39,668	3	28,863	3	18,066	3	7,325	3		3		3	
1/4	71,860	1/4	61,054	1/4	50,249	1/4	39,443	1/4	28,638	1/4	17,841	1/4	7,100	1/4		1/4		1/4	
1/2	71,635	1/2	60,829	1/2	50,024	1/2	39,218	1/2	28,413	1/2	17,616	1/2	6,874	1/2		1/2		1/2	
3/4	71,410	3/4	60,604	3/4	49,799	3/4	38,993	3/4	28,187	3/4	17,391	3/4	6,649	3/4		3/4		3/4	
4	71,185	4	60,379	4	49,573	4	38,768	4	27,962	4	17,166	4	6,424	4		4		4	
1/4	70,959	1/4	60,154	1/4	49,348	1/4	38,543	1/4	27,737	1/4	16,942	1/4	6,199	1/4		1/4		1/4	
1/2	70,734	1/2	59,929	1/2	49,123	1/2	38,318	1/2	27,512	1/2	16,717	1/2	5,974	1/2		1/2		1/2	
3/4	70,509	3/4	59,704	3/4	48,898	3/4	38,093	3/4	27,287	3/4	16,492	3/4	5,749	3/4		3/4		3/4	
5	70,284	5	59,479	5	48,673	5	37,867	5	27,062	5	16,267	5	5,524	5		5		5	
1/4	70,059	1/4	59,253	1/4	48,448	1/4	37,642	1/4	26,837	1/4	16,042	1/4	5,298	1/4		1/4		1/4	
1/2	69,834	1/2	59,028	1/2	48,223	1/2	37,417	1/2	26,612	1/2	15,817	1/2	5,073	1/2		1/2		1/2	
3/4	69,609	3/4	58,803	3/4	47,998	3/4	37,192	3/4	26,387	3/4	15,591	3/4	4,848	3/4		3/4		3/4	
6	69,384	6	58,578	6	47,773	6	36,967	6	26,161	6	15,366	6	4,623	6		6		6	
1/4	69,158	1/4	58,353	1/4	47,547	1/4	36,742	1/4	25,936	1/4	15,141	1/4	4,398	1/4		1/4		1/4	
1/2	68,933	1/2	58,128	1/2	47,322	1/2	36,517	1/2	25,711	1/2	14,916	1/2	4,173	1/2		1/2		1/2	
3/4	68,708	3/4	57,903	3/4	47,097	3/4	36,292	3/4	25,486	3/4	14,691	3/4	3,952	3/4		3/4		3/4	
7	68,483	7	57,678	7	46,872	7	36,067	7	25,261	7	14,466	7	3,731	7		7		7	
1/4	68,258	1/4	57,452	1/4	46,647	1/4	35,841	1/4	25,036	1/4	14,241	1/4	3,511	1/4		1/4		1/4	
1/2	68,033	1/2	57,227	1/2	46,422	1/2	35,616	1/2	24,811	1/2	14,016	1/2	3,290	1/2		1/2		1/2	
3/4	67,808	3/4	57,002	3/4	46,197	3/4	35,391	3/4	24,586	3/4	13,793	3/4	3,083	3/4		3/4		3/4	
8	67,583	8	56,777	8	45,972	8	35,166	8	24,360	8	13,571	8	2,876	8		8		8	
1/4	67,358	1/4	56,552	1/4	45,746	1/4	34,941	1/4	24,135	1/4	13,348	1/4	2,669	1/4		1/4		1/4	
1/2	67,132	1/2	56,327	1/2	45,521	1/2	34,716	1/2	23,910	1/2	13,126	1/2	2,462	1/2		1/2		1/2	
3/4	66,907	3/4	56,102	3/4	45,296	3/4	34,491	3/4	23,685	3/4	12,906	3/4	2,250	3/4		3/4		3/4	
9	66,682	9	55,877	9	45,071	9	34,266	9	23,461	9	12,686	9	2,039	9		9		9	
1/4	66,457	1/4	55,652	1/4	44,846	1/4	34,040	1/4	23,236	1/4	12,466	1/4	1,827	1/4		1/4		1/4	
1/2	66,232	1/2	55,426	1/2	44,621	1/2	33,815	1/2	23,011	1/2	12,246	1/2	1,615	1/2		1/2		1/2	
3/4	66,007	3/4	55,201	3/4	44,396	3/4	33,590	3/4	22,786	3/4	12,027	3/4	1,401	3/4		3/4		3/4	
10	65,782	10	54,976	10	44,171	10	33,365	10	22,561	10	11,807	10	1,187	10		10		10	
1/4	65,557	1/4	54,751	1/4	43,946	1/4	33,140	1/4	22,337	1/4	11,587	1/4	974	1/4		1/4		1/4	
1/2	65,332	1/2	54,526	1/2	43,720	1/2	32,915	1/2	22,112	1/2	11,367	1/2	760	1/2		1/2		1/2	
3/4	65,106	3/4	54,301	3/4	43,495	3/4	32,690	3/4	21,887	3/4	11,144	3/4	625	3/4		3/4		3/4	
11	64,881	11	54,076	11	43,270	11	32,465	11	21,662	11	10,922	11	490	11		11		11	
1/4	64,656	1/4	53,851	1/4	43,045	1/4	32,240	1/4	21,437	1/4	10,699	1/4	354	1/4		1/4		1/4	
1/2	64,431	1/2	53,626	1/2	42,820	1/2	32,014	1/2	21,213	1/2	10,477	1/2	219	1/2		1/2		1/2	
3/4	64,206	3/4	53,400	3/4	42,595	3/4	31,789	3/4	20,988	3/4	10,252	3/4	174	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/29/2010 CL - SW  
CALCULATED: 06/29/2010 CL  
PRINTED: 06/29/2010 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2010

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "DBL 89"

## FUEL TANK ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 3'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	866	IN	510	IN	154	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4	858	1/4	502	1/4	147	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	851	1/2	495	1/2	139	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	843	3/4	488	3/4	132	3/4		3/4		3/4		3/4		3/4		3/4	
1		1	836	1	480	1	125	1		1		1		1		1		1	
1/4		1/4	828	1/4	473	1/4	117	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	821	1/2	465	1/2	110	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	814	3/4	458	3/4	103	3/4		3/4		3/4		3/4		3/4		3/4	
2		2	806	2	450	2	95	2		2		2		2		2		2	
1/4		1/4	799	1/4	443	1/4	88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	791	1/2	436	1/2	81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	784	3/4	428	3/4	73	3/4		3/4		3/4		3/4		3/4		3/4	
3		3	777	3	421	3	66	3		3		3		3		3		3	
1/4		1/4	769	1/4	413	1/4	59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	762	1/2	406	1/2	51	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	755	3/4	398	3/4	44	3/4		3/4		3/4		3/4		3/4		3/4	
4		4	747	4	391	4	37	4		4		4		4		4		4	
1/4		1/4	740	1/4	384	1/4	29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2	733	1/2	376	1/2	22	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	725	3/4	369	3/4	15	3/4		3/4		3/4		3/4		3/4		3/4	
5		5	718	5	361	5	7	5		5		5		5		5		5	
1/4	1,066	1/4	710	1/4	354	1/4	0	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,059	1/2	703	1/2	346	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,051	3/4	696	3/4	339	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,044	6	688	6	332	6		6		6		6		6		6		6	
1/4	1,036	1/4	681	1/4	324	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,029	1/2	673	1/2	317	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,022	3/4	666	3/4	310	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,014	7	658	7	302	7		7		7		7		7		7		7	
1/4	1,007	1/4	651	1/4	295	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	999	1/2	644	1/2	288	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	992	3/4	636	3/4	280	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	984	8	629	8	273	8		8		8		8		8		8		8	
1/4	977	1/4	621	1/4	266	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	970	1/2	614	1/2	258	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	962	3/4	606	3/4	251	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	955	9	599	9	243	9		9		9		9		9		9		9	
1/4	947	1/4	592	1/4	236	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	940	1/2	584	1/2	228	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	932	3/4	577	3/4	221	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	925	10	569	10	214	10		10		10		10		10		10		10	
1/4	918	1/4	562	1/4	206	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	910	1/2	554	1/2	199	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	903	3/4	547	3/4	191	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	895	11	540	11	184	11		11		11		11		11		11		11	
1/4	888	1/4	532	1/4	176	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	880	1/2	525	1/2	169	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	873	3/4	517	3/4	162	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT THE MANWAY.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "DBL 89"

## SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 8'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	0	0	0	0	1,001	0	815	0	630	0	444	0	260	0	74	0		
1/4	1/4	1/4	1/4	1/4	1/4	997	1/4	811	1/4	627	1/4	440	1/4	256	1/4	70	1/4		
1/2	1/2	1/2	1/2	1/2	1/2	993	1/2	807	1/2	623	1/2	437	1/2	252	1/2	66	1/2		
3/4	3/4	3/4	3/4	3/4	3/4	989	3/4	803	3/4	619	3/4	433	3/4	248	3/4	62	3/4		
1	1	1	1	1	1	985	1	799	1	615	1	429	1	244	1	58	1		
1/4	1/4	1/4	1/4	1/4	1/4	982	1/4	796	1/4	611	1/4	425	1/4	240	1/4	54	1/4		
1/2	1/2	1/2	1/2	1/2	1/2	978	1/2	792	1/2	607	1/2	421	1/2	237	1/2	51	1/2		
3/4	3/4	3/4	3/4	3/4	3/4	974	3/4	788	3/4	603	3/4	417	3/4	233	3/4	47	3/4		
2	2	2	2	2	2	970	2	784	2	599	2	413	2	229	2	43	2		
1/4	1/4	1/4	1/4	1/4	1/4	966	1/4	780	1/4	596	1/4	409	1/4	225	1/4	39	1/4		
1/2	1/2	1/2	1/2	1/2	1/2	962	1/2	777	1/2	592	1/2	406	1/2	221	1/2	35	1/2		
3/4	3/4	3/4	3/4	3/4	3/4	958	3/4	773	3/4	588	3/4	402	3/4	217	3/4	31	3/4		
3	3	3	3	3	3	954	3	769	3	584	3	398	3	213	3	27	3		
1/4	1/4	1/4	1/4	1/4	1/4	951	1/4	765	1/4	580	1/4	394	1/4	209	1/4	23	1/4		
1/2	1/2	1/2	1/2	1/2	1/2	947	1/2	762	1/2	576	1/2	390	1/2	206	1/2	19	1/2		
3/4	3/4	3/4	3/4	3/4	3/4	943	3/4	758	3/4	572	3/4	386	3/4	202	3/4	16	3/4		
4	4	4	4	4	4	939	4	754	4	568	4	382	4	198	4	12	4		
1/4	1/4	1/4	1/4	1/4	1/4	935	1/4	750	1/4	565	1/4	378	1/4	194	1/4	8	1/4		
1/2	1/2	1/2	1/2	1/2	1/2	931	1/2	747	1/2	561	1/2	375	1/2	190	1/2	4	1/2		
3/4	3/4	3/4	3/4	3/4	3/4	927	3/4	743	3/4	557	3/4	371	3/4	186	3/4	0	3/4		
5	5	5	5	5	5	923	5	739	5	553	5	367	5	182	5		5		
1/4	1/4	1/4	1/4	1,106	1/4	920	1/4	735	1/4	549	1/4	363	1/4	178	1/4		1/4		
1/2	1/2	1/2	1/2	1,102	1/2	916	1/2	731	1/2	545	1/2	359	1/2	175	1/2		1/2		
3/4	3/4	3/4	3/4	1,098	3/4	912	3/4	727	3/4	541	3/4	355	3/4	171	3/4		3/4		
6	6	6	6	1,094	6	908	6	723	6	537	6	351	6	167	6		6		
1/4	1/4	1/4	1/4	1,090	1/4	904	1/4	720	1/4	534	1/4	348	1/4	163	1/4		1/4		
1/2	1/2	1/2	1/2	1,086	1/2	900	1/2	716	1/2	530	1/2	344	1/2	159	1/2		1/2		
3/4	3/4	3/4	3/4	1,082	3/4	896	3/4	712	3/4	526	3/4	340	3/4	155	3/4		3/4		
7	7	7	7	1,078	7	892	7	708	7	522	7	336	7	151	7		7		
1/4	1/4	1/4	1/4	1,075	1/4	889	1/4	704	1/4	518	1/4	333	1/4	147	1/4		1/4		
1/2	1/2	1/2	1/2	1,071	1/2	885	1/2	700	1/2	514	1/2	329	1/2	144	1/2		1/2		
3/4	3/4	3/4	3/4	1,067	3/4	881	3/4	696	3/4	510	3/4	325	3/4	140	3/4		3/4		
8	8	8	8	1,063	8	877	8	692	8	506	8	321	8	136	8		8		
1/4	1/4	1/4	1/4	1,059	1/4	873	1/4	689	1/4	502	1/4	318	1/4	132	1/4		1/4		
1/2	1/2	1/2	1/2	1,055	1/2	869	1/2	685	1/2	499	1/2	314	1/2	128	1/2		1/2		
3/4	3/4	3/4	3/4	1,051	3/4	865	3/4	681	3/4	495	3/4	310	3/4	124	3/4		3/4		
9	9	9	9	1,047	9	861	9	677	9	491	9	306	9	120	9		9		
1/4	1/4	1/4	1/4	1,044	1/4	858	1/4	673	1/4	487	1/4	302	1/4	116	1/4		1/4		
1/2	1/2	1/2	1/2	1,040	1/2	854	1/2	669	1/2	483	1/2	299	1/2	113	1/2		1/2		
3/4	3/4	3/4	3/4	1,036	3/4	850	3/4	665	3/4	479	3/4	295	3/4	109	3/4		3/4		
10	10	10	10	1,032	10	846	10	661	10	475	10	291	10	105	10		10		
1/4	1/4	1/4	1/4	1,028	1/4	842	1/4	658	1/4	471	1/4	287	1/4	101	1/4		1/4		
1/2	1/2	1/2	1/2	1,024	1/2	838	1/2	654	1/2	468	1/2	283	1/2	97	1/2		1/2		
3/4	3/4	3/4	3/4	1,020	3/4	834	3/4	650	3/4	464	3/4	279	3/4	93	3/4		3/4		
11	11	11	11	1,016	11	830	11	646	11	460	11	275	11	89	11		11		
1/4	1/4	1/4	1/4	1,013	1/4	827	1/4	642	1/4	456	1/4	271	1/4	85	1/4		1/4		
1/2	1/2	1/2	1/2	1,009	1/2	823	1/2	638	1/2	452	1/2	268	1/2	82	1/2		1/2		
3/4	3/4	3/4	3/4	1,005	3/4	819	3/4	634	3/4	448	3/4	264	3/4	78	3/4		3/4		

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

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