



BARGE "DBL 87"

ULLAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 160'-00"

May 3, 2010

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

<http://www.pmacorp.net>



BARGE "DBL 87"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4	138,845	1/4		1/4	129,657	1/4		1/4	120,691	1/4		1/4	111,725
1/2		1/2		1/2		1/2	138,653	1/2		1/2	129,471	1/2		1/2	120,504	1/2		1/2	111,538
3/4		3/4		3/4		3/4	138,460	3/4		3/4	129,284	3/4		3/4	120,318	3/4		3/4	111,351
1		1		1		1	138,268	1		1	129,097	1		1	120,131	1		1	111,165
1/4		1/4		1/4		1/4	138,075	1/4		1/4	128,910	1/4		1/4	119,944	1/4		1/4	110,978
1/2		1/2		1/2		1/2	137,883	1/2		1/2	128,723	1/2		1/2	119,757	1/2		1/2	110,791
3/4		3/4		3/4		3/4	137,690	3/4		3/4	128,537	3/4		3/4	119,570	3/4		3/4	110,604
2		2		2		2	137,498	2		2	128,350	2		2	119,384	2		2	110,417
1/4		1/4		1/4		1/4	137,305	1/4		1/4	128,163	1/4		1/4	119,197	1/4		1/4	110,231
1/2		1/2		1/2		1/2	137,113	1/2		1/2	127,976	1/2		1/2	119,010	1/2		1/2	110,044
3/4		3/4		3/4		3/4	136,921	3/4		3/4	127,789	3/4		3/4	118,823	3/4		3/4	109,857
3		3		3		3	136,728	3		3	127,603	3		3	118,636	3		3	109,670
1/4		1/4		1/4		1/4	136,536	1/4		1/4	127,416	1/4		1/4	118,450	1/4		1/4	109,483
1/2		1/2		1/2		1/2	144,741	1/2		1/2	127,229	1/2		1/2	118,263	1/2		1/2	109,297
3/4		3/4		3/4		3/4	144,611	3/4		3/4	127,042	3/4		3/4	118,076	3/4		3/4	109,110
4		4		4		4	144,437	4		4	126,855	4		4	117,889	4		4	108,923
1/4		1/4		1/4		1/4	144,351	1/4		1/4	126,669	1/4		1/4	117,702	1/4		1/4	108,736
1/2		1/2		1/2		1/2	144,611	1/2		1/2	126,482	1/2		1/2	117,516	1/2		1/2	108,549
3/4		3/4		3/4		3/4	144,524	3/4		3/4	126,295	3/4		3/4	117,329	3/4		3/4	108,363
5		5		5		5	144,437	5		5	126,108	5		5	117,142	5		5	108,176
1/4		1/4		1/4		1/4	144,351	1/4		1/4	125,922	1/4		1/4	116,955	1/4		1/4	107,989
1/2		1/2		1/2		1/2	144,177	1/2		1/2	125,735	1/2		1/2	116,768	1/2		1/2	107,802
3/4		3/4		3/4		3/4	144,004	3/4		3/4	125,548	3/4		3/4	116,582	3/4		3/4	107,615
6		6		6		6	143,831	6		6	125,361	6		6	116,395	6		6	107,429
1/4		1/4		1/4		1/4	143,657	1/4		1/4	125,174	1/4		1/4	116,208	1/4		1/4	107,242
1/2		1/2		1/2		1/2	143,465	1/2		1/2	124,988	1/2		1/2	116,021	1/2		1/2	107,055
3/4		3/4		3/4		3/4	143,272	3/4		3/4	124,801	3/4		3/4	115,834	3/4		3/4	106,868
7		7		7		7	143,080	7		7	124,614	7		7	115,648	7		7	106,681
1/4		1/4		1/4		1/4	142,887	1/4		1/4	124,427	1/4		1/4	115,461	1/4		1/4	106,495
1/2		1/2		1/2		1/2	142,695	1/2		1/2	124,240	1/2		1/2	115,274	1/2		1/2	106,308
3/4		3/4		3/4		3/4	142,502	3/4		3/4	124,054	3/4		3/4	115,087	3/4		3/4	106,121
8		8		8		8	142,310	8		8	123,867	8		8	114,900	8		8	105,934
1/4		1/4		1/4		1/4	142,117	1/4		1/4	123,680	1/4		1/4	114,714	1/4		1/4	105,748
1/2		1/2		1/2		1/2	141,925	1/2		1/2	123,493	1/2		1/2	114,527	1/2		1/2	105,562
3/4		3/4		3/4		3/4	141,732	3/4		3/4	123,306	3/4		3/4	114,340	3/4		3/4	105,376
9		9		9		9	141,540	9		9	123,120	9		9	114,153	9		9	105,190
1/4		1/4		1/4		1/4	141,348	1/4		1/4	122,933	1/4		1/4	113,966	1/4		1/4	105,004
1/2		1/2		1/2		1/2	141,155	1/2		1/2	122,746	1/2		1/2	113,780	1/2		1/2	104,818
3/4		3/4		3/4		3/4	140,963	3/4		3/4	122,559	3/4		3/4	113,593	3/4		3/4	104,632
10		10		10		10	140,770	10		10	122,372	10		10	113,406	10		10	104,446
1/4		1/4		1/4		1/4	140,578	1/4		1/4	122,186	1/4		1/4	113,219	1/4		1/4	104,260
1/2		1/2		1/2		1/2	140,385	1/2		1/2	121,999	1/2		1/2	113,032	1/2		1/2	104,074
3/4		3/4		3/4		3/4	140,193	3/4		3/4	121,812	3/4		3/4	112,846	3/4		3/4	103,888
11		11		11		11	140,000	11		11	121,625	11		11	112,659	11		11	103,702
1/4		1/4		1/4		1/4	139,808	1/4		1/4	121,438	1/4		1/4	112,472	1/4		1/4	103,516
1/2		1/2		1/2		1/2	139,615	1/2		1/2	121,252	1/2		1/2	112,285	1/2		1/2	103,330
3/4		3/4		3/4		3/4	139,423	3/4		3/4	121,065	3/4		3/4	112,099	3/4		3/4	103,144
12		12		12		12	139,230	12		12	120,878	12		12	111,912	12		12	102,958
1/4		1/4		1/4		1/4	139,038	1/4		1/4		1/4		1/4		1/4		1/4	102,772

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'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "DBL 87"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-11 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	71,145	0	60,774	0	50,422	0	40,060	0	29,694	0	19,497	0	9,148	0		0		0	
1/4	70,929	1/4	60,557	1/4	50,206	1/4	39,844	1/4	29,478	1/4	19,286	1/4	8,931	1/4		1/4		1/4	
1/2	70,713	1/2	60,341	1/2	49,991	1/2	39,628	1/2	29,262	1/2	19,075	1/2	8,714	1/2		1/2		1/2	
3/4	70,497	3/4	60,125	3/4	49,775	3/4	39,412	3/4	29,046	3/4	18,864	3/4	8,498	3/4		3/4		3/4	
1	70,281	1	59,909	1	49,560	1	39,196	1	28,830	1	18,653	1	8,281	1		1		1	
1/4	70,065	1/4	59,693	1/4	49,345	1/4	38,980	1/4	28,614	1/4	18,442	1/4	8,064	1/4		1/4		1/4	
1/2	69,849	1/2	59,477	1/2	49,129	1/2	38,764	1/2	28,399	1/2	18,231	1/2	7,848	1/2		1/2		1/2	
3/4	69,633	3/4	59,261	3/4	48,914	3/4	38,548	3/4	28,183	3/4	18,020	3/4	7,631	3/4		3/4		3/4	
2	69,417	2	59,045	2	48,698	2	38,332	2	27,967	2	17,806	2	7,414	2		2		2	
1/4	69,201	1/4	58,829	1/4	48,482	1/4	38,116	1/4	27,751	1/4	17,592	1/4	7,198	1/4		1/4		1/4	
1/2	68,985	1/2	58,613	1/2	48,266	1/2	37,900	1/2	27,535	1/2	17,378	1/2	6,981	1/2		1/2		1/2	
3/4	68,768	3/4	58,397	3/4	48,050	3/4	37,684	3/4	27,319	3/4	17,164	3/4	6,764	3/4		3/4		3/4	
3	68,552	3	58,181	3	47,834	3	37,468	3	27,103	3	16,948	3	6,548	3		3		3	
1/4	68,336	1/4	57,965	1/4	47,618	1/4	37,252	1/4	26,887	1/4	16,731	1/4	6,331	1/4		1/4		1/4	
1/2	68,120	1/2	57,748	1/2	47,402	1/2	37,036	1/2	26,671	1/2	16,514	1/2	6,114	1/2		1/2		1/2	
3/4	67,904	3/4	57,532	3/4	47,186	3/4	36,820	3/4	26,455	3/4	16,298	3/4	5,898	3/4		3/4		3/4	
4	67,688	4	57,317	4	46,970	4	36,605	4	26,242	4	16,081	4	5,681	4		4		4	
1/4	67,472	1/4	57,101	1/4	46,754	1/4	36,389	1/4	26,028	1/4	15,864	1/4	5,464	1/4		1/4		1/4	
1/2	67,256	1/2	56,886	1/2	46,538	1/2	36,173	1/2	25,815	1/2	15,648	1/2	5,248	1/2		1/2		1/2	
3/4	67,040	3/4	56,670	3/4	46,322	3/4	35,957	3/4	25,602	3/4	15,431	3/4	5,031	3/4		3/4		3/4	
5	66,824	5	56,455	5	46,106	5	35,741	5	25,391	5	15,214	5	4,814	5		5		5	
1/4	66,608	1/4	56,240	1/4	45,890	1/4	35,525	1/4	25,181	1/4	14,998	1/4	4,598	1/4		1/4		1/4	
1/2	66,392	1/2	56,024	1/2	45,674	1/2	35,309	1/2	24,970	1/2	14,781	1/2	4,381	1/2		1/2		1/2	
3/4	66,176	3/4	55,809	3/4	45,458	3/4	35,093	3/4	24,760	3/4	14,564	3/4	4,164	3/4		3/4		3/4	
6	65,959	6	55,593	6	45,242	6	34,877	6	24,549	6	14,348	6	3,948	6		6		6	
1/4	65,743	1/4	55,378	1/4	45,027	1/4	34,661	1/4	24,339	1/4	14,131	1/4	3,731	1/4		1/4		1/4	
1/2	65,527	1/2	55,162	1/2	44,811	1/2	34,445	1/2	24,128	1/2	13,914	1/2	3,514	1/2		1/2		1/2	
3/4	65,311	3/4	54,947	3/4	44,595	3/4	34,229	3/4	23,918	3/4	13,698	3/4	3,298	3/4		3/4		3/4	
7	65,095	7	54,731	7	44,379	7	34,013	7	23,707	7	13,481	7	3,081	7		7		7	
1/4	64,879	1/4	54,516	1/4	44,163	1/4	33,797	1/4	23,497	1/4	13,264	1/4	2,864	1/4		1/4		1/4	
1/2	64,663	1/2	54,300	1/2	43,947	1/2	33,581	1/2	23,286	1/2	13,048	1/2	2,648	1/2		1/2		1/2	
3/4	64,447	3/4	54,085	3/4	43,731	3/4	33,365	3/4	23,076	3/4	12,831	3/4	2,431	3/4		3/4		3/4	
8	64,231	8	53,869	8	43,515	8	33,149	8	22,865	8	12,614	8	2,214	8		8		8	
1/4	64,015	1/4	53,654	1/4	43,299	1/4	32,933	1/4	22,655	1/4	12,398	1/4	1,998	1/4		1/4		1/4	
1/2	63,799	1/2	53,438	1/2	43,083	1/2	32,717	1/2	22,444	1/2	12,181	1/2	1,781	1/2		1/2		1/2	
3/4	63,583	3/4	53,223	3/4	42,867	3/4	32,502	3/4	22,234	3/4	11,964	3/4	1,564	3/4		3/4		3/4	
9	63,366	9	53,008	9	42,651	9	32,286	9	22,023	9	11,748	9	1,358	9		9		9	
1/4	63,150	1/4	52,792	1/4	42,435	1/4	32,070	1/4	21,813	1/4	11,531	1/4	1,153	1/4		1/4		1/4	
1/2	62,934	1/2	52,577	1/2	42,219	1/2	31,854	1/2	21,602	1/2	11,314	1/2	947	1/2		1/2		1/2	
3/4	62,718	3/4	52,361	3/4	42,003	3/4	31,638	3/4	21,392	3/4	11,098	3/4	741	3/4		3/4		3/4	
10	62,502	10	52,146	10	41,787	10	31,422	10	21,181	10	10,881	10	611	10		10		10	
1/4	62,286	1/4	51,930	1/4	41,571	1/4	31,206	1/4	20,971	1/4	10,664	1/4	481	1/4		1/4		1/4	
1/2	62,070	1/2	51,715	1/2	41,355	1/2	30,990	1/2	20,760	1/2	10,448	1/2	351	1/2		1/2		1/2	
3/4	61,854	3/4	51,499	3/4	41,139	3/4	30,774	3/4	20,550	3/4	10,231	3/4	221	3/4		3/4		3/4	
11	61,638	11	51,284	11	40,924	11	30,558	11	20,339	11	10,014	11	178	11		11		11	
1/4	61,422	1/4	51,068	1/4	40,708	1/4	30,342	1/4	20,129	1/4	9,798	1/4	134	1/4		1/4		1/4	
1/2	61,206	1/2	50,853	1/2	40,492	1/2	30,126	1/2	19,918	1/2	9,581	1/2	91	1/2		1/2		1/2	
3/4	60,990	3/4	50,637	3/4	40,276	3/4	29,910	3/4	19,708	3/4	9,364	3/4	48	3/4		3/4		3/4	

STRAPPED: 05/03/2010 CL - SW
CALCULATED: 05/03/2010 CL
PRINTED: 05/03/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2010

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "DBL 87"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	161,182	0	149,565	0	137,949	0	126,332	0	114,715	0	103,099	0	91,482
1/4		1/4		1/4		1/4	160,940	1/4	149,323	1/4	137,707	1/4	126,090	1/4	114,473	1/4	102,857	1/4	91,240
1/2		1/2		1/2		1/2	160,698	1/2	149,081	1/2	137,465	1/2	125,848	1/2	114,231	1/2	102,615	1/2	90,998
3/4		3/4		3/4		3/4	160,456	3/4	148,839	3/4	137,223	3/4	125,606	3/4	113,989	3/4	102,373	3/4	90,756
1		1		1		1	160,214	1	148,597	1	136,981	1	125,364	1	113,747	1	102,131	1	90,514
1/4		1/4		1/4		1/4	159,972	1/4	148,355	1/4	136,739	1/4	125,122	1/4	113,505	1/4	101,889	1/4	90,272
1/2		1/2		1/2		1/2	159,730	1/2	148,113	1/2	136,497	1/2	124,880	1/2	113,263	1/2	101,647	1/2	90,030
3/4		3/4		3/4		3/4	159,488	3/4	147,871	3/4	136,255	3/4	124,638	3/4	113,021	3/4	101,405	3/4	89,788
2		2		2		2	159,246	2	147,629	2	136,013	2	124,396	2	112,779	2	101,163	2	89,546
1/4		1/4		1/4		1/4	159,004	1/4	147,387	1/4	135,771	1/4	124,154	1/4	112,537	1/4	100,921	1/4	89,304
1/2		1/2		1/2		1/2	158,762	1/2	147,145	1/2	135,529	1/2	123,912	1/2	112,295	1/2	100,679	1/2	89,062
3/4		3/4		3/4		3/4	158,520	3/4	146,903	3/4	135,287	3/4	123,670	3/4	112,053	3/4	100,437	3/4	88,820
3		3		3		3	158,278	3	146,661	3	135,045	3	123,428	3	111,811	3	100,195	3	88,578
1/4		1/4		1/4		1/4	158,036	1/4	146,419	1/4	134,803	1/4	123,186	1/4	111,569	1/4	99,953	1/4	88,336
1/2		1/2		1/2	168,200	1/2	157,794	1/2	146,177	1/2	134,561	1/2	122,944	1/2	111,327	1/2	99,711	1/2	88,094
3/4		3/4		3/4	168,176	3/4	157,552	3/4	145,935	3/4	134,319	3/4	122,702	3/4	111,085	3/4	99,469	3/4	87,852
4		4		4	168,152	4	157,310	4	145,693	4	134,077	4	122,460	4	110,843	4	99,227	4	87,610
1/4		1/4		1/4	168,055	1/4	157,068	1/4	145,451	1/4	133,835	1/4	122,218	1/4	110,601	1/4	98,985	1/4	87,368
1/2		1/2		1/2	167,958	1/2	156,826	1/2	145,209	1/2	133,592	1/2	121,976	1/2	110,359	1/2	98,743	1/2	87,126
3/4		3/4		3/4	167,862	3/4	156,584	3/4	144,967	3/4	133,350	3/4	121,734	3/4	110,117	3/4	98,501	3/4	86,884
5		5		5	167,765	5	156,342	5	144,725	5	133,108	5	121,492	5	109,875	5	98,259	5	86,642
1/4		1/4		1/4	167,571	1/4	156,100	1/4	144,483	1/4	132,866	1/4	121,250	1/4	109,633	1/4	98,017	1/4	86,400
1/2		1/2		1/2	167,378	1/2	155,858	1/2	144,241	1/2	132,624	1/2	121,008	1/2	109,391	1/2	97,775	1/2	86,158
3/4		3/4		3/4	167,184	3/4	155,616	3/4	143,999	3/4	132,382	3/4	120,766	3/4	109,149	3/4	97,533	3/4	85,916
6		6		6	166,990	6	155,374	6	143,757	6	132,140	6	120,524	6	108,907	6	97,291	6	85,674
1/4		1/4		1/4	166,748	1/4	155,132	1/4	143,515	1/4	131,898	1/4	120,282	1/4	108,665	1/4	97,049	1/4	85,432
1/2		1/2		1/2	166,506	1/2	154,890	1/2	143,273	1/2	131,656	1/2	120,040	1/2	108,423	1/2	96,807	1/2	85,190
3/4		3/4		3/4	166,264	3/4	154,648	3/4	143,031	3/4	131,414	3/4	119,798	3/4	108,181	3/4	96,565	3/4	84,948
7		7		7	166,022	7	154,406	7	142,789	7	131,172	7	119,556	7	107,939	7	96,322	7	84,706
1/4		1/4		1/4	165,780	1/4	154,164	1/4	142,547	1/4	130,930	1/4	119,314	1/4	107,697	1/4	96,080	1/4	84,464
1/2		1/2		1/2	165,538	1/2	153,922	1/2	142,305	1/2	130,688	1/2	119,072	1/2	107,455	1/2	95,838	1/2	84,222
3/4		3/4		3/4	165,296	3/4	153,680	3/4	142,063	3/4	130,446	3/4	118,830	3/4	107,213	3/4	95,596	3/4	83,980
8		8		8	165,054	8	153,438	8	141,821	8	130,204	8	118,588	8	106,971	8	95,354	8	83,738
1/4		1/4		1/4	164,812	1/4	153,196	1/4	141,579	1/4	129,962	1/4	118,346	1/4	106,729	1/4	95,112	1/4	83,496
1/2		1/2		1/2	164,570	1/2	152,954	1/2	141,337	1/2	129,720	1/2	118,104	1/2	106,487	1/2	94,870	1/2	83,254
3/4		3/4		3/4	164,328	3/4	152,712	3/4	141,095	3/4	129,478	3/4	117,862	3/4	106,245	3/4	94,628	3/4	83,012
9		9		9	164,086	9	152,470	9	140,853	9	129,236	9	117,620	9	106,003	9	94,386	9	82,770
1/4		1/4		1/4	163,844	1/4	152,228	1/4	140,611	1/4	128,994	1/4	117,378	1/4	105,761	1/4	94,144	1/4	82,528
1/2		1/2		1/2	163,602	1/2	151,985	1/2	140,369	1/2	128,752	1/2	117,136	1/2	105,519	1/2	93,902	1/2	82,286
3/4		3/4		3/4	163,360	3/4	151,743	3/4	140,127	3/4	128,510	3/4	116,894	3/4	105,277	3/4	93,660	3/4	82,044
10		10		10	163,118	10	151,501	10	139,885	10	128,268	10	116,652	10	105,035	10	93,418	10	81,802
1/4		1/4		1/4	162,876	1/4	151,259	1/4	139,643	1/4	128,026	1/4	116,410	1/4	104,793	1/4	93,176	1/4	81,560
1/2		1/2		1/2	162,634	1/2	151,017	1/2	139,401	1/2	127,784	1/2	116,168	1/2	104,551	1/2	92,934	1/2	81,318
3/4		3/4		3/4	162,392	3/4	150,775	3/4	139,159	3/4	127,542	3/4	115,926	3/4	104,309	3/4	92,692	3/4	81,076
11		11		11	162,150	11	150,533	11	138,917	11	127,300	11	115,684	11	104,067	11	92,450	11	80,834
1/4		1/4		1/4	161,908	1/4	150,291	1/4	138,675	1/4	127,058	1/4	115,442	1/4	103,825	1/4	92,208	1/4	80,592
1/2		1/2		1/2	161,666	1/2	150,049	1/2	138,433	1/2	126,816	1/2	115,200	1/2	103,583	1/2	91,966	1/2	80,350
3/4		3/4		3/4	161,424	3/4	149,807	3/4	138,191	3/4	126,574	3/4	114,957	3/4	103,341	3/4	91,724	3/4	80,108

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'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "DBL 87"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 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	79,866	0	68,249	0	56,632	0	45,016	0	33,399	0	21,998	0	10,453	0	47	0		0	
1/4	79,624	1/4	68,007	1/4	56,390	1/4	44,774	1/4	33,157	1/4	21,763	1/4	10,211	1/4	=====	1/4		1/4	
1/2	79,382	1/2	67,765	1/2	56,148	1/2	44,532	1/2	32,915	1/2	21,528	1/2	9,969	1/2		1/2		1/2	
3/4	79,140	3/4	67,523	3/4	55,906	3/4	44,290	3/4	32,673	3/4	21,293	3/4	9,727	3/4		3/4		3/4	
1	78,898	1	67,281	1	55,664	1	44,048	1	32,431	1	21,058	1	9,485	1		1		1	
1/4	78,656	1/4	67,039	1/4	55,422	1/4	43,806	1/4	32,189	1/4	20,824	1/4	9,243	1/4		1/4		1/4	
1/2	78,414	1/2	66,797	1/2	55,180	1/2	43,564	1/2	31,947	1/2	20,589	1/2	9,001	1/2		1/2		1/2	
3/4	78,172	3/4	66,555	3/4	54,938	3/4	43,322	3/4	31,705	3/4	20,354	3/4	8,759	3/4		3/4		3/4	
2	77,930	2	66,313	2	54,696	2	43,080	2	31,463	2	20,119	2	8,517	2		2		2	
1/4	77,687	1/4	66,071	1/4	54,454	1/4	42,838	1/4	31,221	1/4	19,880	1/4	8,275	1/4		1/4		1/4	
1/2	77,445	1/2	65,829	1/2	54,212	1/2	42,596	1/2	30,979	1/2	19,642	1/2	8,033	1/2		1/2		1/2	
3/4	77,203	3/4	65,587	3/4	53,970	3/4	42,354	3/4	30,737	3/4	19,404	3/4	7,791	3/4		3/4		3/4	
3	76,961	3	65,345	3	53,728	3	42,112	3	30,495	3	19,165	3	7,549	3		3		3	
1/4	76,719	1/4	65,103	1/4	53,486	1/4	41,870	1/4	30,253	1/4	18,923	1/4	7,307	1/4		1/4		1/4	
1/2	76,477	1/2	64,861	1/2	53,244	1/2	41,628	1/2	30,011	1/2	18,681	1/2	7,065	1/2		1/2		1/2	
3/4	76,235	3/4	64,619	3/4	53,002	3/4	41,386	3/4	29,769	3/4	18,439	3/4	6,823	3/4		3/4		3/4	
4	75,993	4	64,377	4	52,760	4	41,144	4	29,527	4	18,197	4	6,581	4		4		4	
1/4	75,751	1/4	64,135	1/4	52,518	1/4	40,902	1/4	29,288	1/4	17,955	1/4	6,339	1/4		1/4		1/4	
1/2	75,509	1/2	63,893	1/2	52,276	1/2	40,660	1/2	29,050	1/2	17,713	1/2	6,097	1/2		1/2		1/2	
3/4	75,267	3/4	63,651	3/4	52,034	3/4	40,417	3/4	28,811	3/4	17,471	3/4	5,855	3/4		3/4		3/4	
5	75,025	5	63,409	5	51,792	5	40,175	5	28,573	5	17,229	5	5,613	5		5		5	
1/4	74,783	1/4	63,167	1/4	51,550	1/4	39,933	1/4	28,338	1/4	16,987	1/4	5,371	1/4		1/4		1/4	
1/2	74,541	1/2	62,925	1/2	51,308	1/2	39,691	1/2	28,103	1/2	16,745	1/2	5,129	1/2		1/2		1/2	
3/4	74,299	3/4	62,683	3/4	51,066	3/4	39,449	3/4	27,868	3/4	16,503	3/4	4,887	3/4		3/4		3/4	
6	74,057	6	62,441	6	50,824	6	39,207	6	27,633	6	16,261	6	4,645	6		6		6	
1/4	73,815	1/4	62,199	1/4	50,582	1/4	38,965	1/4	27,399	1/4	16,019	1/4	4,403	1/4		1/4		1/4	
1/2	73,573	1/2	61,957	1/2	50,340	1/2	38,723	1/2	27,164	1/2	15,777	1/2	4,161	1/2		1/2		1/2	
3/4	73,331	3/4	61,715	3/4	50,098	3/4	38,481	3/4	26,929	3/4	15,535	3/4	3,919	3/4		3/4		3/4	
7	73,089	7	61,473	7	49,856	7	38,239	7	26,694	7	15,293	7	3,677	7		7		7	
1/4	72,847	1/4	61,231	1/4	49,614	1/4	37,997	1/4	26,459	1/4	15,051	1/4	3,435	1/4		1/4		1/4	
1/2	72,605	1/2	60,989	1/2	49,372	1/2	37,755	1/2	26,225	1/2	14,809	1/2	3,193	1/2		1/2		1/2	
3/4	72,363	3/4	60,747	3/4	49,130	3/4	37,513	3/4	25,990	3/4	14,567	3/4	2,951	3/4		3/4		3/4	
8	72,121	8	60,505	8	48,888	8	37,271	8	25,755	8	14,325	8	2,709	8		8		8	
1/4	71,879	1/4	60,263	1/4	48,646	1/4	37,029	1/4	25,520	1/4	14,083	1/4	2,467	1/4		1/4		1/4	
1/2	71,637	1/2	60,021	1/2	48,404	1/2	36,787	1/2	25,285	1/2	13,841	1/2	2,225	1/2		1/2		1/2	
3/4	71,395	3/4	59,779	3/4	48,162	3/4	36,545	3/4	25,050	3/4	13,599	3/4	1,983	3/4		3/4		3/4	
9	71,153	9	59,537	9	47,920	9	36,303	9	24,816	9	13,357	9	1,741	9		9		9	
1/4	70,911	1/4	59,295	1/4	47,678	1/4	36,061	1/4	24,581	1/4	13,115	1/4	1,511	1/4		1/4		1/4	
1/2	70,669	1/2	59,052	1/2	47,436	1/2	35,819	1/2	24,346	1/2	12,873	1/2	1,281	1/2		1/2		1/2	
3/4	70,427	3/4	58,810	3/4	47,194	3/4	35,577	3/4	24,111	3/4	12,631	3/4	1,051	3/4		3/4		3/4	
10	70,185	10	58,568	10	46,952	10	35,335	10	23,876	10	12,389	10	821	10		10		10	
1/4	69,943	1/4	58,326	1/4	46,710	1/4	35,093	1/4	23,642	1/4	12,147	1/4	676	1/4		1/4		1/4	
1/2	69,701	1/2	58,084	1/2	46,468	1/2	34,851	1/2	23,407	1/2	11,905	1/2	531	1/2		1/2		1/2	
3/4	69,459	3/4	57,842	3/4	46,226	3/4	34,609	3/4	23,172	3/4	11,663	3/4	386	3/4		3/4		3/4	
11	69,217	11	57,600	11	45,984	11	34,367	11	22,937	11	11,421	11	240	11		11		11	
1/4	68,975	1/4	57,358	1/4	45,742	1/4	34,125	1/4	22,702	1/4	11,179	1/4	192	1/4		1/4		1/4	
1/2	68,733	1/2	57,116	1/2	45,500	1/2	33,883	1/2	22,467	1/2	10,937	1/2	144	1/2		1/2		1/2	
3/4	68,491	3/4	56,874	3/4	45,258	3/4	33,641	3/4	22,233	3/4	10,695	3/4	95	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/03/2010 CL - SW
CALCULATED: 05/03/2010 CL
PRINTED: 05/03/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2010

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "DBL 87"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 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	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	142,893	0	132,612	0	122,331	0	112,050	0	101,768	0	91,487	0	81,206
1/4		1/4		1/4		1/4	142,679	1/4	132,398	1/4	122,117	1/4	111,835	1/4	101,554	1/4	91,273	1/4	80,992
1/2		1/2		1/2		1/2	142,465	1/2	132,184	1/2	121,902	1/2	111,621	1/2	101,340	1/2	91,059	1/2	80,778
3/4		3/4		3/4		3/4	142,251	3/4	131,969	3/4	121,688	3/4	111,407	3/4	101,126	3/4	90,845	3/4	80,563
1		1		1		1	142,036	1	131,755	1	121,474	1	111,193	1	100,912	1	90,630	1	80,349
1/4		1/4		1/4		1/4	141,822	1/4	131,541	1/4	121,260	1/4	110,979	1/4	100,697	1/4	90,416	1/4	80,135
1/2		1/2		1/2		1/2	141,608	1/2	131,327	1/2	121,046	1/2	110,764	1/2	100,483	1/2	90,202	1/2	79,921
3/4		3/4		3/4		3/4	141,394	3/4	131,113	3/4	120,831	3/4	110,550	3/4	100,269	3/4	89,988	3/4	79,707
2		2		2		2	141,180	2	130,898	2	120,617	2	110,336	2	100,055	2	89,774	2	79,492
1/4		1/4		1/4		1/4	140,965	1/4	130,684	1/4	120,403	1/4	110,122	1/4	99,841	1/4	89,559	1/4	79,278
1/2		1/2		1/2		1/2	140,751	1/2	130,470	1/2	120,189	1/2	109,908	1/2	99,626	1/2	89,345	1/2	79,064
3/4		3/4		3/4		3/4	140,537	3/4	130,256	3/4	119,975	3/4	109,693	3/4	99,412	3/4	89,131	3/4	78,850
3		3		3		3	140,323	3	130,042	3	119,760	3	109,479	3	99,198	3	88,917	3	78,636
1/4		1/4		1/4		1/4	140,109	1/4	129,827	1/4	119,546	1/4	109,265	1/4	98,984	1/4	88,703	1/4	78,421
1/2		1/2		1/2	149,105	1/2	139,895	1/2	129,613	1/2	119,332	1/2	109,051	1/2	98,770	1/2	88,488	1/2	78,207
3/4		3/4		3/4	149,083	3/4	139,680	3/4	129,399	3/4	119,118	3/4	108,837	3/4	98,555	3/4	88,274	3/4	77,993
4		4		4	149,062	4	139,466	4	129,185	4	118,904	4	108,622	4	98,341	4	88,060	4	77,779
1/4		1/4		1/4	148,976	1/4	139,252	1/4	128,971	1/4	118,690	1/4	108,408	1/4	98,127	1/4	87,846	1/4	77,565
1/2		1/2		1/2	148,891	1/2	139,038	1/2	128,757	1/2	118,475	1/2	108,194	1/2	97,913	1/2	87,632	1/2	77,350
3/4		3/4		3/4	148,805	3/4	138,824	3/4	128,542	3/4	118,261	3/4	107,980	3/4	97,699	3/4	87,417	3/4	77,136
5		5		5	148,719	5	138,609	5	128,328	5	118,047	5	107,766	5	97,485	5	87,203	5	76,922
1/4		1/4		1/4	148,548	1/4	138,395	1/4	128,114	1/4	117,833	1/4	107,552	1/4	97,270	1/4	86,989	1/4	76,708
1/2		1/2		1/2	148,377	1/2	138,181	1/2	127,900	1/2	117,619	1/2	107,337	1/2	97,056	1/2	86,775	1/2	76,494
3/4		3/4		3/4	148,205	3/4	137,967	3/4	127,686	3/4	117,404	3/4	107,123	3/4	96,842	3/4	86,561	3/4	76,280
6		6		6	148,034	6	137,753	6	127,471	6	117,190	6	106,909	6	96,628	6	86,347	6	76,065
1/4		1/4		1/4	147,820	1/4	137,538	1/4	127,257	1/4	116,976	1/4	106,695	1/4	96,414	1/4	86,132	1/4	75,851
1/2		1/2		1/2	147,605	1/2	137,324	1/2	127,043	1/2	116,762	1/2	106,481	1/2	96,199	1/2	85,918	1/2	75,637
3/4		3/4		3/4	147,391	3/4	137,110	3/4	126,829	3/4	116,548	3/4	106,266	3/4	95,985	3/4	85,704	3/4	75,423
7		7		7	147,177	7	136,896	7	126,615	7	116,333	7	106,052	7	95,771	7	85,490	7	75,209
1/4		1/4		1/4	146,963	1/4	136,682	1/4	126,400	1/4	116,119	1/4	105,838	1/4	95,557	1/4	85,276	1/4	74,994
1/2		1/2		1/2	146,749	1/2	136,467	1/2	126,186	1/2	115,905	1/2	105,624	1/2	95,343	1/2	85,061	1/2	74,780
3/4		3/4		3/4	146,534	3/4	136,253	3/4	125,972	3/4	115,691	3/4	105,410	3/4	95,128	3/4	84,847	3/4	74,566
8		8		8	146,320	8	136,039	8	125,758	8	115,477	8	105,195	8	94,914	8	84,633	8	74,352
1/4		1/4		1/4	146,106	1/4	135,825	1/4	125,544	1/4	115,262	1/4	104,981	1/4	94,700	1/4	84,419	1/4	74,138
1/2		1/2		1/2	145,892	1/2	135,611	1/2	125,329	1/2	115,048	1/2	104,767	1/2	94,486	1/2	84,205	1/2	73,923
3/4		3/4		3/4	145,678	3/4	135,396	3/4	125,115	3/4	114,834	3/4	104,553	3/4	94,272	3/4	83,990	3/4	73,709
9		9		9	145,463	9	135,182	9	124,901	9	114,620	9	104,339	9	94,057	9	83,776	9	73,495
1/4		1/4		1/4	145,249	1/4	134,968	1/4	124,687	1/4	114,406	1/4	104,124	1/4	93,843	1/4	83,562	1/4	73,281
1/2		1/2		1/2	145,035	1/2	134,754	1/2	124,473	1/2	114,191	1/2	103,910	1/2	93,629	1/2	83,348	1/2	73,067
3/4		3/4		3/4	144,821	3/4	134,540	3/4	124,258	3/4	113,977	3/4	103,696	3/4	93,415	3/4	83,134	3/4	72,852
10		10		10	144,607	10	134,326	10	124,044	10	113,763	10	103,482	10	93,201	10	82,919	10	72,638
1/4		1/4		1/4	144,393	1/4	134,111	1/4	123,830	1/4	113,549	1/4	103,268	1/4	92,986	1/4	82,705	1/4	72,424
1/2		1/2		1/2	144,178	1/2	133,897	1/2	123,616	1/2	113,335	1/2	103,053	1/2	92,772	1/2	82,491	1/2	72,210
3/4		3/4		3/4	143,964	3/4	133,683	3/4	123,402	3/4	113,121	3/4	102,839	3/4	92,558	3/4	82,277	3/4	71,996
11		11		11	143,750	11	133,469	11	123,188	11	112,906	11	102,625	11	92,344	11	82,063	11	71,781
1/4		1/4		1/4	143,536	1/4	133,255	1/4	122,973	1/4	112,692	1/4	102,411	1/4	92,130	1/4	81,848	1/4	71,567
1/2		1/2		1/2	143,322	1/2	133,040	1/2	122,759	1/2	112,478	1/2	102,197	1/2	91,916	1/2	81,634	1/2	71,353
3/4		3/4		3/4	143,107	3/4	132,826	3/4	122,545	3/4	112,264	3/4	101,983	3/4	91,701	3/4	81,420	3/4	71,139

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'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "DBL 87"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 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	70,925	0	60,643	0	50,362	0	40,081	0	29,800	0	19,532	0	9,256	0	46	0		0	
1/4	70,711	1/4	60,429	1/4	50,148	1/4	39,867	1/4	29,586	1/4	19,319	1/4	9,042	1/4		1/4		1/4	
1/2	70,496	1/2	60,215	1/2	49,934	1/2	39,653	1/2	29,371	1/2	19,105	1/2	8,827	1/2		1/2		1/2	
3/4	70,282	3/4	60,001	3/4	49,720	3/4	39,438	3/4	29,157	3/4	18,891	3/4	8,613	3/4		3/4		3/4	
1	70,068	1	59,787	1	49,506	1	39,224	1	28,943	1	18,678	1	8,399	1		1		1	
1/4	69,854	1/4	59,573	1/4	49,291	1/4	39,010	1/4	28,729	1/4	18,464	1/4	8,185	1/4		1/4		1/4	
1/2	69,640	1/2	59,358	1/2	49,077	1/2	38,796	1/2	28,515	1/2	18,250	1/2	7,971	1/2		1/2		1/2	
3/4	69,425	3/4	59,144	3/4	48,863	3/4	38,582	3/4	28,301	3/4	18,036	3/4	7,757	3/4		3/4		3/4	
2	69,211	2	58,930	2	48,649	2	38,368	2	28,086	2	17,822	2	7,542	2		2		2	
1/4	68,997	1/4	58,716	1/4	48,435	1/4	38,153	1/4	27,872	1/4	17,608	1/4	7,328	1/4		1/4		1/4	
1/2	68,783	1/2	58,502	1/2	48,220	1/2	37,939	1/2	27,658	1/2	17,394	1/2	7,114	1/2		1/2		1/2	
3/4	68,569	3/4	58,287	3/4	48,006	3/4	37,725	3/4	27,444	3/4	17,180	3/4	6,900	3/4		3/4		3/4	
3	68,354	3	58,073	3	47,792	3	37,511	3	27,230	3	16,966	3	6,686	3		3		3	
1/4	68,140	1/4	57,859	1/4	47,578	1/4	37,297	1/4	27,015	1/4	16,752	1/4	6,471	1/4		1/4		1/4	
1/2	67,926	1/2	57,645	1/2	47,364	1/2	37,082	1/2	26,801	1/2	16,538	1/2	6,257	1/2		1/2		1/2	
3/4	67,712	3/4	57,431	3/4	47,149	3/4	36,868	3/4	26,587	3/4	16,324	3/4	6,043	3/4		3/4		3/4	
4	67,498	4	57,216	4	46,935	4	36,654	4	26,373	4	16,110	4	5,829	4		4		4	
1/4	67,283	1/4	57,002	1/4	46,721	1/4	36,440	1/4	26,159	1/4	15,896	1/4	5,615	1/4		1/4		1/4	
1/2	67,069	1/2	56,788	1/2	46,507	1/2	36,226	1/2	25,945	1/2	15,681	1/2	5,401	1/2		1/2		1/2	
3/4	66,855	3/4	56,574	3/4	46,293	3/4	36,011	3/4	25,731	3/4	15,467	3/4	5,186	3/4		3/4		3/4	
5	66,641	5	56,360	5	46,078	5	35,797	5	25,517	5	15,253	5	4,972	5		5		5	
1/4	66,427	1/4	56,145	1/4	45,864	1/4	35,583	1/4	25,303	1/4	15,039	1/4	4,758	1/4		1/4		1/4	
1/2	66,212	1/2	55,931	1/2	45,650	1/2	35,369	1/2	25,089	1/2	14,825	1/2	4,544	1/2		1/2		1/2	
3/4	65,998	3/4	55,717	3/4	45,436	3/4	35,155	3/4	24,875	3/4	14,610	3/4	4,330	3/4		3/4		3/4	
6	65,784	6	55,503	6	45,222	6	34,940	6	24,662	6	14,396	6	4,115	6		6		6	
1/4	65,570	1/4	55,289	1/4	45,007	1/4	34,726	1/4	24,448	1/4	14,182	1/4	3,901	1/4		1/4		1/4	
1/2	65,356	1/2	55,075	1/2	44,793	1/2	34,512	1/2	24,234	1/2	13,968	1/2	3,687	1/2		1/2		1/2	
3/4	65,142	3/4	54,860	3/4	44,579	3/4	34,298	3/4	24,020	3/4	13,754	3/4	3,473	3/4		3/4		3/4	
7	64,927	7	54,646	7	44,365	7	34,084	7	23,807	7	13,540	7	3,259	7		7		7	
1/4	64,713	1/4	54,432	1/4	44,151	1/4	33,870	1/4	23,593	1/4	13,325	1/4	3,045	1/4		1/4		1/4	
1/2	64,499	1/2	54,218	1/2	43,937	1/2	33,655	1/2	23,379	1/2	13,111	1/2	2,830	1/2		1/2		1/2	
3/4	64,285	3/4	54,004	3/4	43,722	3/4	33,441	3/4	23,166	3/4	12,897	3/4	2,616	3/4		3/4		3/4	
8	64,071	8	53,789	8	43,508	8	33,227	8	22,952	8	12,683	8	2,402	8		8		8	
1/4	63,856	1/4	53,575	1/4	43,294	1/4	33,013	1/4	22,738	1/4	12,469	1/4	2,188	1/4		1/4		1/4	
1/2	63,642	1/2	53,361	1/2	43,080	1/2	32,799	1/2	22,524	1/2	12,254	1/2	1,974	1/2		1/2		1/2	
3/4	63,428	3/4	53,147	3/4	42,866	3/4	32,584	3/4	22,311	3/4	12,040	3/4	1,759	3/4		3/4		3/4	
9	63,214	9	52,933	9	42,651	9	32,370	9	22,097	9	11,826	9	1,545	9		9		9	
1/4	63,000	1/4	52,718	1/4	42,437	1/4	32,156	1/4	21,883	1/4	11,612	1/4	1,342	1/4		1/4		1/4	
1/2	62,785	1/2	52,504	1/2	42,223	1/2	31,942	1/2	21,670	1/2	11,398	1/2	1,138	1/2		1/2		1/2	
3/4	62,571	3/4	52,290	3/4	42,009	3/4	31,728	3/4	21,456	3/4	11,184	3/4	935	3/4		3/4		3/4	
10	62,357	10	52,076	10	41,795	10	31,513	10	21,242	10	10,969	10	731	10		10		10	
1/4	62,143	1/4	51,862	1/4	41,580	1/4	31,299	1/4	21,028	1/4	10,755	1/4	603	1/4		1/4		1/4	
1/2	61,929	1/2	51,647	1/2	41,366	1/2	31,085	1/2	20,815	1/2	10,541	1/2	474	1/2		1/2		1/2	
3/4	61,714	3/4	51,433	3/4	41,152	3/4	30,871	3/4	20,601	3/4	10,327	3/4	346	3/4		3/4		3/4	
11	61,500	11	51,219	11	40,938	11	30,657	11	20,387	11	10,113	11	217	11		11		11	
1/4	61,286	1/4	51,005	1/4	40,724	1/4	30,442	1/4	20,174	1/4	9,898	1/4	175	1/4		1/4		1/4	
1/2	61,072	1/2	50,791	1/2	40,509	1/2	30,228	1/2	19,960	1/2	9,684	1/2	132	1/2		1/2		1/2	
3/4	60,858	3/4	50,576	3/4	40,295	3/4	30,014	3/4	19,746	3/4	9,470	3/4	89	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/03/2010 CL - SW
CALCULATED: 05/03/2010 CL
PRINTED: 05/03/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2010

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 87"

SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 5'-03 1/2"

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	0	803	0	452	0	102	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	796	1/4	445	1/4	94	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	788	1/2	438	1/2	87	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	781	3/4	431	3/4	80	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	774	1	423	1	73	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	767	1/4	416	1/4	65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	759	1/2	409	1/2	58	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	752	3/4	402	3/4	51	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	745	2	394	2	44	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	738	1/4	387	1/4	36	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	730	1/2	380	1/2	29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	723	3/4	372	3/4	22	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	716	3	365	3	15	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	709	1/4	358	1/4	7	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	701	1/2	351	1/2	0	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	694	3/4	343	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	1,036	4	687	4	336	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1,029	1/4	679	1/4	329	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1,021	1/2	672	1/2	321	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	1,014	3/4	665	3/4	314	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	1,007	5	657	5	307	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1,000	1/4	650	1/4	299	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	992	1/2	643	1/2	292	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	985	3/4	635	3/4	285	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	978	6	628	6	277	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	971	1/4	621	1/4	270	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	963	1/2	613	1/2	263	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	956	3/4	606	3/4	255	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	949	7	599	7	248	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	941	1/4	591	1/4	241	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	934	1/2	584	1/2	233	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	927	3/4	577	3/4	226	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	920	8	569	8	219	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	912	1/4	562	1/4	211	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	905	1/2	555	1/2	204	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	898	3/4	547	3/4	197	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	891	9	540	9	189	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	883	1/4	533	1/4	182	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	876	1/2	525	1/2	175	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	869	3/4	518	3/4	167	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	861	10	510	10	160	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	854	1/4	503	1/4	152	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	846	1/2	496	1/2	145	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	839	3/4	489	3/4	138	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	832	11	481	11	131	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	825	1/4	474	1/4	123	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	817	1/2	467	1/2	116	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	810	3/4	460	3/4	109	3/4	3/4	3/4	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 INNAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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