



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 QUANTER 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		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	138,845	0	129,657	0	120,691	0	111,725	0	102,261	0	91,889	0	81,517
1/4		1/4		1/4		1/4	138,653	1/4	129,471	1/4	120,504	1/4	111,538	1/4	102,045	1/4	91,673	1/4	81,301
1/2		1/2		1/2		1/2	138,460	1/2	129,284	1/2	120,318	1/2	111,351	1/2	101,829	1/2	91,457	1/2	81,085
3/4		3/4		3/4		3/4	138,268	3/4	129,097	3/4	120,131	3/4	111,165	3/4	101,613	3/4	91,241	3/4	80,869
1		1		1		1	138,075	1	128,910	1	119,944	1	110,978	1	101,397	1	91,025	1	80,653
1/4		1/4		1/4		1/4	137,883	1/4	128,723	1/4	119,757	1/4	110,791	1/4	101,180	1/4	90,809	1/4	80,437
1/2		1/2		1/2		1/2	137,690	1/2	128,537	1/2	119,570	1/2	110,604	1/2	100,964	1/2	90,593	1/2	80,221
3/4		3/4		3/4		3/4	137,498	3/4	128,350	3/4	119,384	3/4	110,417	3/4	100,748	3/4	90,376	3/4	80,005
2		2		2		2	137,305	2	128,163	2	119,197	2	110,231	2	100,532	2	90,160	2	79,789
1/4		1/4		1/4		1/4	137,113	1/4	127,976	1/4	119,010	1/4	110,044	1/4	100,316	1/4	89,944	1/4	79,572
1/2		1/2		1/2		1/2	136,921	1/2	127,789	1/2	118,823	1/2	109,857	1/2	100,100	1/2	89,728	1/2	79,356
3/4		3/4		3/4		3/4	136,728	3/4	127,603	3/4	118,636	3/4	109,670	3/4	99,884	3/4	89,512	3/4	79,140
3		3		3		3	136,536	3	127,416	3	118,450	3	109,483	3	99,668	3	89,296	3	78,924
1/4		1/4		1/4		1/4	144,741	1/4	136,343	1/4	127,229	1/4	118,263	1/4	109,297	1/4	99,452	1/4	89,080
1/2		1/2		1/2		1/2	144,719	1/2	136,151	1/2	127,042	1/2	118,076	1/2	109,110	1/2	99,236	1/2	88,864
3/4		3/4		3/4		3/4	144,697	3/4	135,958	3/4	126,855	3/4	117,889	3/4	108,923	3/4	99,020	3/4	88,648
4		4		4		4	144,611	4	135,766	4	126,669	4	117,702	4	108,736	4	98,804	4	88,432
1/4		1/4		1/4		1/4	144,524	1/4	135,573	1/4	126,482	1/4	117,516	1/4	108,549	1/4	98,587	1/4	88,216
1/2		1/2		1/2		1/2	144,437	1/2	135,381	1/2	126,295	1/2	117,329	1/2	108,363	1/2	98,371	1/2	88,000
3/4		3/4		3/4		3/4	144,351	3/4	135,188	3/4	126,108	3/4	117,142	3/4	108,176	3/4	98,155	3/4	87,784
5		5		5		5	144,177	5	134,996	5	125,922	5	116,955	5	107,989	5	97,939	5	87,567
1/4		1/4		1/4		1/4	144,004	1/4	134,803	1/4	125,735	1/4	116,768	1/4	107,802	1/4	97,723	1/4	87,351
1/2		1/2		1/2		1/2	143,831	1/2	134,611	1/2	125,548	1/2	116,582	1/2	107,615	1/2	97,507	1/2	87,135
3/4		3/4		3/4		3/4	143,657	3/4	134,418	3/4	125,361	3/4	116,395	3/4	107,429	3/4	97,291	3/4	86,919
6		6		6		6	143,465	6	134,226	6	125,174	6	116,208	6	107,242	6	97,075	6	86,703
1/4		1/4		1/4		1/4	143,272	1/4	134,033	1/4	124,988	1/4	116,021	1/4	107,055	1/4	96,859	1/4	86,487
1/2		1/2		1/2		1/2	143,080	1/2	133,841	1/2	124,801	1/2	115,834	1/2	106,868	1/2	96,643	1/2	86,271
3/4		3/4		3/4		3/4	142,887	3/4	133,648	3/4	124,614	3/4	115,648	3/4	106,681	3/4	96,427	3/4	86,055
7		7		7		7	142,695	7	133,456	7	124,427	7	115,461	7	106,495	7	96,211	7	85,839
1/4		1/4		1/4		1/4	142,502	1/4	133,263	1/4	124,240	1/4	115,274	1/4	106,308	1/4	95,995	1/4	85,623
1/2		1/2		1/2		1/2	142,310	1/2	133,071	1/2	124,054	1/2	115,087	1/2	106,121	1/2	95,778	1/2	85,407
3/4		3/4		3/4		3/4	142,117	3/4	132,878	3/4	123,867	3/4	114,900	3/4	105,934	3/4	95,562	3/4	85,191
8		8		8		8	141,925	8	132,686	8	123,680	8	114,714	8	105,718	8	95,346	8	84,974
1/4		1/4		1/4		1/4	141,732	1/4	132,494	1/4	123,493	1/4	114,527	1/4	105,502	1/4	95,130	1/4	84,758
1/2		1/2		1/2		1/2	141,540	1/2	132,301	1/2	123,306	1/2	114,340	1/2	105,286	1/2	94,914	1/2	84,542
3/4		3/4		3/4		3/4	141,348	3/4	132,109	3/4	123,120	3/4	114,153	3/4	105,070	3/4	94,698	3/4	84,326
9		9		9		9	141,155	9	131,916	9	122,933	9	113,966	9	104,854	9	94,482	9	84,110
1/4		1/4		1/4		1/4	140,963	1/4	131,724	1/4	122,746	1/4	113,780	1/4	104,638	1/4	94,266	1/4	83,894
1/2		1/2		1/2		1/2	140,770	1/2	131,531	1/2	122,559	1/2	113,593	1/2	104,422	1/2	94,050	1/2	83,678
3/4		3/4		3/4		3/4	140,578	3/4	131,339	3/4	122,372	3/4	113,406	3/4	104,206	3/4	93,834	3/4	83,462
10		10		10		10	140,385	10	131,152	10	122,186	10	113,219	10	103,989	10	93,618	10	83,246
1/4		1/4		1/4		1/4	140,193	1/4	130,965	1/4	121,999	1/4	113,032	1/4	103,773	1/4	93,402	1/4	83,030
1/2		1/2		1/2		1/2	140,000	1/2	130,778	1/2	121,812	1/2	112,846	1/2	103,557	1/2	93,185	1/2	82,814
3/4		3/4		3/4		3/4	139,808	3/4	130,591	3/4	121,625	3/4	112,659	3/4	103,341	3/4	92,969	3/4	82,598
11		11		11		11	139,615	11	130,405	11	121,438	11	112,472	11	103,125	11	92,753	11	82,382
1/4		1/4		1/4		1/4	139,423	1/4	130,218	1/4	121,252	1/4	112,285	1/4	102,909	1/4	92,537	1/4	82,165
1/2		1/2		1/2		1/2	139,230	1/2	130,031	1/2	121,065	1/2	112,099	1/2	102,693	1/2	92,321	1/2	81,949
3/4		3/4		3/4		3/4	139,038	3/4	129,844	3/4	120,878	3/4	111,912	3/4	102,477	3/4	92,105	3/4	81,733

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 CATER 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	

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"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	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	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	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	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	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	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	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	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	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	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	1/2	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	88,094
3/4	3/4	3/4	3/4	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	87,852
4		4		4		4	168,152	4	157,310	4	145,693	4	134,077	4	122,460	4	110,843	4	87,610
1/4	1/4	1/4	1/4	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	87,368
1/2	1/2	1/2	1/2	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	87,126
3/4	3/4	3/4	3/4	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	86,884
5		5		5		5	167,765	5	156,342	5	144,725	5	133,108	5	121,492	5	109,875	5	86,642
1/4	1/4	1/4	1/4	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	86,400
1/2	1/2	1/2	1/2	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	86,158
3/4	3/4	3/4	3/4	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	85,916
6		6		6		6	166,990	6	155,374	6	143,757	6	132,140	6	120,524	6	108,907	6	85,674
1/4	1/4	1/4	1/4	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	85,432
1/2	1/2	1/2	1/2	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	85,190
3/4	3/4	3/4	3/4	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	84,948
7		7		7		7	166,022	7	154,406	7	142,789	7	131,172	7	119,556	7	107,939	7	84,706
1/4	1/4	1/4	1/4	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	84,464
1/2	1/2	1/2	1/2	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	84,222
3/4	3/4	3/4	3/4	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	83,980
8		8		8		8	165,054	8	153,438	8	141,821	8	130,204	8	118,588	8	106,971	8	83,738
1/4	1/4	1/4	1/4	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	83,496
1/2	1/2	1/2	1/2	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	83,254
3/4	3/4	3/4	3/4	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	83,012
9		9		9		9	164,086	9	152,470	9	140,853	9	129,236	9	117,620	9	106,003	9	82,770
1/4	1/4	1/4	1/4	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	82,528
1/2	1/2	1/2	1/2	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	82,286
3/4	3/4	3/4	3/4	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	82,044
10		10		10		10	163,118	10	151,501	10	139,885	10	128,268	10	116,652	10	105,035	10	81,802
1/4	1/4	1/4	1/4	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	81,560
1/2	1/2	1/2	1/2	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	81,318
3/4	3/4	3/4	3/4	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	81,076
11		11		11		11	162,150	11	150,533	11	138,917	11	127,300	11	115,684	11	104,067	11	80,834
1/4	1/4	1/4	1/4	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	80,592
1/2	1/2	1/2	1/2	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	80,350
3/4	3/4	3/4	3/4	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	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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BAUGE "DBL 87"

2 LITER GUAGE TABLE

GAUGE HEIGHT 17'-00"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
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	
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		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		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		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		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		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		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		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		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		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		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.
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 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	
3/4	3/4	3/4	3/4	3/4	3/4	149,083	3/4	139,880	3/4	129,399	3/4	119,118	3/4	108,837	3/4	98,555	3/4	88,274	
4	4	4	4	4	4	149,062	4	139,466	4	129,185	4	118,904	4	108,622	4	98,341	4	88,060	
1/4	1/4	1/4	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	
1/2	1/2	1/2	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	
3/4	3/4	3/4	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	
5	5	5	5	5	5	148,719	5	138,609	5	128,328	5	118,047	5	107,766	5	97,485	5	87,203	
1/4	1/4	1/4	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	
1/2	1/2	1/2	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	
3/4	3/4	3/4	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	
6	6	6	6	6	6	148,034	6	137,753	6	127,471	6	117,190	6	106,909	6	96,628	6	86,347	
1/4	1/4	1/4	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	
1/2	1/2	1/2	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	
3/4	3/4	3/4	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	
7	7	7	7	7	7	147,177	7	136,896	7	126,615	7	116,333	7	106,052	7	95,771	7	85,490	
1/4	1/4	1/4	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	
1/2	1/2	1/2	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	
3/4	3/4	3/4	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	
8	8	8	8	8	8	146,320	8	136,039	8	125,758	8	115,477	8	105,195	8	94,914	8	84,633	
1/4	1/4	1/4	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	
1/2	1/2	1/2	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	
3/4	3/4	3/4	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	
9	9	9	9	9	9	145,463	9	135,182	9	124,901	9	114,620	9	104,339	9	94,057	9	83,776	
1/4	1/4	1/4	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	
1/2	1/2	1/2	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	
3/4	3/4	3/4	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	
10	10	10	10	10	10	144,607	10	134,326	10	124,044	10	113,763	10	103,482	10	93,201	10	82,919	
1/4	1/4	1/4	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	
1/2	1/2	1/2	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	
3/4	3/4	3/4	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	
11	11	11	11	11	11	143,750	11	133,469	11	123,188	11	112,906	11	102,625	11	92,344	11	82,063	
1/4	1/4	1/4	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	
1/2	1/2	1/2	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	
3/4	3/4	3/4	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	

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
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