BARGE "DBL 105"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 CENTER	- 00-0/8	00-0/8	- 00-1/8	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
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 INNAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 7/8'

LENGTH BETWEEN DRAFT MARKS: 160'-06"

July 22, 2014

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

http://www.pmacorp.net

BARGE "DBL 105"

1 CENTER

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	27	0	9,663	0	20,168	0	30,911	0	41,654	0	52,291	0	63,039	0	73,787	0	84,534	0	95,277
1/4	72	1/4	9,887	1/4	20,392	1/4	31,135	1/4	41,875	1/4	52,515	1/4	63,263	1/4	74,011	1/4	84,758	1/4	95,501
1/2	117	1/2	10,111	1/2	20,616	1/2	31,359	1/2	42,096	1/2	52,739	1/2	63,487	1/2	74,235	1/2	84,982	1/2	95,725
3/4	162	3/4	10,335	3/4	20,840	3/4	31,583	3/4	42,317	3/4	52,963	3/4	63,711	3/4	74,459	3/4	85,206	3/4	95,949
1	207	1	10,558	1	21,063	1	31,806	1	42,538	1	53,187	1	63,935	1	74,683	1	85,429	1	96,173
1/4	341	1/4	10,776	1/4	21,287	1/4	32,030	1/4	42,758	1/4	53,411	1/4	64,159	1/4	74,907	1/4	85,653	1/4	96,397
1/2	476	1/2	10,994	1/2	21,511	1/2	32,254	1/2	42,979	1/2	53,635	1/2	64,383	1/2	75,130	1/2	85,877	1/2	96,620
3/4	611	3/4	11,212	3/4	21,735	3/4	32,478	3/4	43,200	3/4	53,859	3/4	64,607	3/4	75,354	3/4	86,101	3/4	96,844
2	745	2	11,430	2	21,959	2	32,702	2	43,421	2	54,083	2	64,830	2	75,578	2	86,325	2	97,068
1/4	959	1/4	11,648	1/4	22,182	1/4	32,925	1/4	43,642	1/4	54,307	1/4	65,054	1/4	75,802	1/4	86,548	1/4	97,292
1/2	1,172	1/2	11,866	1/2	22,406	1/2	33,149	1/2	43,863	1/2	54,531	1/2	65,278	1/2	76,026	1/2	86,772	1/2	97,516
3/4	1,385	3/4	12,084	3/4	22,630	3/4	33,373	3/4	44,084	3/4	54,754	3/4	65,502	3/4	76,250	3/4	86,996	3/4	97,739
3	1,598	3	12,302	3	22,854	3	33,597	3	44,304	3	54,978	3	65,726	3	76,474	3	87,220	3	97,963
1/4	1,823	1/4	12,520	1/4	23,078	1/4	33,821	1/4	44,525	1/4	55,202	1/4	65,950	1/4	76,698	1/4	87,444	1/4	98,187
1/2	2,047	1/2	12,737	1/2	23,302	1/2	34,045	1/2	44,746	1/2	55,426	1/2	66,174	1/2	76,922	1/2	87,668	1/2	98,411
3/4	2,272	3/4	12,955	3/4	23,525	3/4	34,268	3/4	44,967	3/4	55,650	3/4	66,398	3/4	77,146	3/4	87,891	3/4	98,635
4	2,496	4	13,173	4	23,749	4	34,492	4	45,188	4	55,874	4	66,622	4	77,370	4	88,115	4	98,859
1/4	2,721	1/4	13,391	1/4	23,973	1/4	34,716	1/4	45,409	1/4	56,098	1/4	66,846	1/4	77,594	1/4	88,339	1/4	99,082
1/2	2,945	1/2	13,608	1/2	24,197	1/2	34,940	1/2	45,630	1/2	56,322	1/2	67,070	1/2	77,817	1/2	88,563	1/2	99,306
3/4	3,170	3/4	13,826	3/4	24,421	3/4	35,164	3/4	45,850	3/4	56,546	3/4	67,294	3/4	78,041	3/4	88,787	3/4	99,530
5	3,394	5	14,044	5	24,644	5	35,387	5	46,071	5	56,770	5	67,517	5	78,265	5	89,010	5	99,754
1/4	3,618	1/4	14,262	1/4	24,868	1/4	35,611	1/4	46,292	1/4	56,994	1/4	67,741	1/4	78,489	1/4	89,234	1/4	99,978
1/2	3,842	1/2	14,480	1/2	25,092	1/2	35,835	1/2	46,513	1/2	57,217	1/2	67,965	1/2	78,713	1/2	89,458	1/2	100,202
3/4	4,066	3/4	14,698	3/4	25,316	3/4	36,059	3/4	46,734	3/4	57,441	3/4	68,189	3/4	78,937	3/4	89,682	3/4	100,425
6	4,290	6	14,916	6	25,540	6	36,283	6	46,955	6	57,665	6	68,413	6	79,161	6	89,906	6	100,649
1/4	4,514	1/4	15,133	1/4	25,763	1/4	36,507	1/4	47,175	1/4	57,889	1/4	68,637	1/4	79,385	1/4	90,130	1/4	100,873
1/2	4,738	1/2	15,351	1/2	25,987	1/2	36,730	1/2	47,396	1/2	58,113	1/2	68,861	1/2	79,609	1/2	90,353	1/2	101,097
3/4	4,962	3/4	15,569	3/4	26,211	3/4	36,954	3/4	47,617	3/4	58,337	3/4	69,085	3/4	79,833	3/4	90,577	3/4	101,321
7	5,186	7	15,787	7	26,435	7	37,178	7	47,838	7	58,561	7	69,309	7	80,057	7	90,801	7	101,544
1/4	5,410	1/4	16,005	1/4	26,659	1/4	37,402	1/4	48,059	1/4	58,785	1/4	69,533	1/4	80,280	1/4	91,025	1/4	101,768
1/2	5,634	1/2	16,223	1/2	26,883	1/2	37,626	1/2	48,280	1/2	59,009	1/2	69,757	1/2	80,504	1/2	91,249	1/2	101,992
3/4	5,858	3/4	16,441	3/4	27,106	3/4	37,849	3/4	48,501	3/4	59,233	3/4	69,980	3/4	80,728	3/4	91,473	3/4	102,216
8	6,082	8	16,659	8	27,330	8	38,073	8	48,721	8	59,457	8	70,204	8	80,952	8	91,696	8	102,440
1/4	6,306	1/4	16,876	1/4	27,554	1/4	38,297	1/4	48,944	1/4	59,681	1/4	70,428	1/4	81,176	1/4	91,920	1/4	102,664
1/2	6,529	1/2	17,094	1/2	27,778	1/2	38,521	1/2	49,166	1/2	59,904	1/2	70,652	1/2	81,400	1/2	92,144	1/2	102,887
3/4	6,753	3/4	17,312	3/4	28,002	3/4	38,745	3/4	49,388	3/4	60,128	3/4	70,876	3/4	81,624	3/4	92,368	3/4	103,111
9	6,977	9	17,530	9	28,225	9	38,968	9	49,611	9	60,352	9	71,100	9	81,848	9	92,592	9	103,335
1/4	7,201	1/4	17,748	1/4	28,449	1/4	39,192	1/4	49,833	1/4	60,576	1/4	71,324	1/4	82,072	1/4	92,815	1/4	103,559
1/2	7,425	1/2	17,966	1/2	28,673	1/2	39,416	1/2	50,055	1/2	60,800	1/2	71,548	1/2	82,296	1/2	93,039	1/2	103,783
3/4	7,649	3/4	18,184	3/4	28,897	3/4	39,640	3/4	50,278	3/4	61,024	3/4	71,772	3/4	82,520	3/4	93,263	3/4	104,006
10	7,872	10	18,401	10	29,121	10	39,864	10	50,500	10	61,248	10	71,996	10	82,743	10	93,487	10	104,230
1/4	8,096	1/4	18,619	1/4	29,344	1/4	40,088	1/4	50,724	1/4	61,472	1/4	72,220	1/4	82,967	1/4	93,711	1/4	104,454
1/2	8,320	1/2	18,837	1/2	29,568	1/2	40,311	1/2	50,948	1/2	61,696	1/2	72,444	1/2	83,191	1/2	93,935	1/2	104,678
3/4	8,544	3/4	19,055	3/4	29,792	3/4	40,535	3/4	51,172	3/4	61,920	3/4	72,667	3/4	83,415	3/4	94,158	3/4	104,902
11	8,768	11	19,273	11	30,016	11	40,759	11	51,396	11	62,144	11	72,891	11	83,639	11	94,382	11	105,126
1/4	8,992	1/4	19,497	1/4	30,240	1/4	40,983	1/4	51,620	1/4	62,367	1/4	73,115	1/4	83,863	1/4	94,606	1/4	105,349
1/2	9,215	1/2	19,720	1/2	30,464	1/2	41,207	1/2	51,844	1/2	62,591	1/2	73,339	1/2	84,086	1/2	94,830	1/2	105,573
3/4	9,439	3/4	19,944	3/4	30,687	3/4	41,430	3/4	52,067	3/4	62,815	3/4	73,563	3/4	84,310	3/4	95,054	3/4	105,797

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 INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 26'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 105"

1 CENTER

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-01"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	106,021	0	115,795	0	125,239	0	134,684	0	144,094	0		0		0		0		0	
1/4	106,245	1/4	115,991	1/4	125,436	1/4	134,881	1/4	144,289	1/4		1/4		1/4		1/4		1/4	
1/2	106,469	1/2	116,188	1/2	125,633	1/2	135,078	1/2	144,484	1/2		1/2		1/2		1/2		1/2	
3/4	106,692	3/4	116,385	3/4	125,830	3/4	135,274	3/4	144,679	3/4		3/4		3/4		3/4		3/4	
1	106,916	1	116,582	1	126,026	1	135,471	1	144,874	1		1		1		1		1	
1/4	107,141	1/4	116,779	1/4	126,223	1/4	135,668	1/4	145,069	1/4		1/4		1/4		1/4		1/4	
1/2	107,365	1/2	116,975	1/2	126,420	1/2	135,865	1/2	145,264	1/2		1/2		1/2		1/2		1/2	
3/4	107,589	3/4	117,172	3/4	126,617	3/4	136,061	3/4	145,459	3/4		3/4		3/4		3/4		3/4	
2	107,814	2	117,369	2	126,813	2	136,258	2	145,654	2		2		2		2		2	
1/4	108,038	1/4	117,566	1/4	127,010	1/4	136,455	1/4	145,849	1/4		1/4		1/4		1/4		1/4	
1/2	108,262	1/2	117,762	1/2	127,207	1/2	136,652	1/2	146,044	1/2		1/2		1/2		1/2		1/2	
3/4	108,487	3/4	117,959	3/4	127,404	3/4	136,848	3/4	146,239	3/4		3/4		3/4		3/4		3/4	
3	108,711	3	118,156	3	127,601	3	137,045	3	146,434	3		3		3		3		3	
1/4	108,908	1/4	118,353	1/4	127,797	1/4	137,242	1/4	146,629	1/4		1/4		1/4		1/4		1/4	
1/2	109,105	1/2	118,549	1/2	127,994	1/2	137,439	1/2	146,824	1/2		1/2		1/2		1/2		1/2	
3/4	109,301	3/4	118,746	3/4	128,191	3/4	137,635	3/4	147,019	3/4		3/4		3/4		3/4		3/4	
4	109,498	4	118,943	4	128,388	4	137,832	4	147,214	4		4		4		4		4	
1/4	109,695	1/4	119,140	1/4	128,584	1/4	138,029	1/4	147,409	1/4		1/4		1/4		1/4		1/4	
1/2	109,892	1/2	119,336	1/2	128,781	1/2	138,226	1/2	147,604	1/2		1/2		1/2		1/2		1/2	
3/4	110,089	3/4	119,533	3/4	128,978	3/4	138,423	3/4	147,799	3/4		3/4		3/4		3/4		3/4	
5	110,285	5	119,730	5	129,175	5	138,619	5	147,994	5		5		5		5		5	
1/4	110,482	1/4	119,927	1/4	129,371	1/4	138,816	1/4	148,186	1/4		1/4		1/4		1/4		1/4	
1/2	110,679	1/2	120,123	1/2	129,568	1/2	139,013	1/2	148,378	1/2		1/2		1/2		1/2		1/2	
3/4	110,876	3/4	120,320	3/4	129,765	3/4	139,210	3/4	148,571	3/4		3/4		3/4		3/4		3/4	
6	111,072	6	120,517	6	129,962	6	139,406	6	148,763	6		6		6		6		6	
1/4	111,269	1/4	120,714	1/4	130,158	1/4	139,603	1/4	148,955	1/4		1/4		1/4		1/4		1/4	
1/2	111,466	1/2	120,911	1/2	130,355	1/2	139,800	1/2	149,147	1/2		1/2		1/2		1/2		1/2	
3/4	111,663	3/4	121,107	3/4	130,552	3/4	139,997	3/4	149,339	3/4		3/4		3/4		3/4		3/4	
7	111,859	7	121,304	7	130,749	7	140,193	7	149,531	7		7		7		7		7	
1/4	112,056	1/4	121,501	1/4	130,945	1/4	140,388	1/4	149,723	1/4		1/4		1/4		1/4		1/4	
1/2	112,253	1/2	121,698	1/2	131,142	1/2	140,583	1/2	149,916	1/2		1/2		1/2		1/2		1/2	
3/4	112,450	3/4	121,894	3/4	131,339	3/4	140,778	3/4	150,108	3/4		3/4		3/4		3/4		3/4	
8	112,646	8	122,091	8	131,536	8	140,973	8	150,300	8		8		8		8		8	
1/4	112,843	1/4	122,288	1/4	131,733	1/4	141,168	1/4	150,492	1/4		1/4		1/4		1/4		1/4	
1/2	113,040	1/2	122,485	1/2	131,929	1/2	141,363	1/2	150,684	1/2		1/2		1/2		1/2		1/2	
3/4	113,237	3/4	122,681	3/4	132,126	3/4	141,558	3/4	150,876	3/4		3/4		3/4		3/4		3/4	
9	113,434	9	122,878	9	132,323	9	141,754	9	151,068	9		9		9		9		9	
1/4	113,630	1/4	123,075	1/4	132,520	1/4	141,949	1/4	151,193	1/4		1/4		1/4		1/4		1/4	
1/2	113,827	1/2	123,272	1/2	132,716	1/2	142,144	1/2	151,318	1/2		1/2		1/2		1/2		1/2	
3/4	114,024	3/4	123,468	3/4	132,913	3/4	142,339	3/4	151,443	3/4		3/4		3/4		3/4		3/4	
10	114,221	10	123,665	10	133,110	10	142,534	10	151,568	10		10		10		10		10	
1/4	114,417	1/4	123,862	1/4	133,307	1/4	142,729	1/4	151,635	1/4		1/4		1/4		1/4		1/4	
1/2	114,614	1/2	124,059	1/2	133,503	1/2	142,924	1/2	151,702	1/2		1/2		1/2		1/2		1/2	
3/4	114,811	3/4	124,256	3/4	133,700	3/4	143,119	3/4	151,770	3/4		3/4		3/4		3/4		3/4	
11	115,008	11	124,452	11	133,897	11	143,314	11	151,837	11		11		11		11		11	
1/4	115,204	1/4	124,649	1/4	134,094	1/4	143,509	1/4	151,848	1/4		1/4		1/4		1/4		1/4	
1/2	115,401	1/2	124,846	1/2	134,290	1/2	143,704	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,598	3/4	125,043	3/4	134,487	3/4	143,899	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2014 SW
CALCULATED: 07/24/2014 CL
PRINTED: 07/24/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 105"

2 CENTER

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	27	0	10,796	0	22,494	0	34,518	0	46,541	0	58,565	0	70,588	0	82,612	0	94,634	0	106,652
1/4	77	1/4	11,046	1/4	22,744	1/4	34,768	1/4	46,792	1/4	58,815	1/4	70,839	1/4	82,862	1/4	94,885	1/4	106,902
1/2	127	1/2	11,296	1/2	22,995	1/2	35,019	1/2	47,042	1/2	59,066	1/2	71,089	1/2	83,113	1/2	95,135	1/2	107,153
3/4	177	3/4	11,547	3/4	23,245	3/4	35,269	3/4	47,293	3/4	59,316	3/4	71,340	3/4	83,363	3/4	95,385	3/4	107,403
1	228	1	11,797	1	23,496	1	35,520	1	47,543	1	59,567	1	71,590	1	83,614	1	95,636	1	107,654
1/4	378	1/4	12,040	1/4	23,746	1/4	35,770	1/4	47,794	1/4	59,817	1/4	71,841	1/4	83,864	1/4	95,886	1/4	107,904
1/2	528	1/2	12,283	1/2	23,997	1/2	36,020	1/2	48,044	1/2	60,068	1/2	72,091	1/2	84,115	1/2	96,137	1/2	108,154
3/4	678	3/4	12,525	3/4	24,247	3/4	36,271	3/4	48,295	3/4	60,318	3/4	72,342	3/4	84,365	3/4	96,387	3/4	108,405
2	829	2	12,768	2	24,498	2	36,521	2	48,545	2	60,569	2	72,592	2	84,616	2	96,637	2	108,655
1/4	1,067	1/4	13,011	1/4	24,748	1/4	36,772	1/4	48,796	1/4	60,819	1/4	72,843	1/4	84,866	1/4	96,888	1/4	108,905
1/2	1,305	1/2	13,254	1/2	24,999	1/2	37,022	1/2	49,046	1/2	61,070	1/2	73,093	1/2	85,117	1/2	97,138	1/2	109,156
3/4	1,543	3/4	13,497	3/4	25,249	3/4	37,273	3/4	49,296	3/4	61,320	3/4	73,344	3/4	85,367	3/4	97,388	3/4	109,406
3	1,781	3	13,739	3	25,500	3	37,523	3	49,547	3	61,571	3	73,594	3	85,618	3	97,639	3	109,657
1/4	2,031	1/4	13,982	1/4	25,750	1/4	37,774	1/4	49,797	1/4	61,821	1/4	73,845	1/4	85,868	1/4	97,889	1/4	109,907
1/2	2,282	1/2	14,224	1/2	26,001	1/2	38,024	1/2	50,048	1/2	62,072	1/2	74,095	1/2	86,119	1/2	98,140	1/2	110,157
3/4	2,532	3/4	14,466	3/4	26,251	3/4	38,275	3/4	50,298	3/4	62,322	3/4	74,346	3/4	86,369	3/4	98,390	3/4	110,408
4	2,782	4	14,708	4	26,502	4	38,525	4	50,549	4	62,573	4	74,596	4	86,620	4	98,640	4	110,658
1/4	3,033	1/4	14,950	1/4	26,752	1/4	38,776	1/4	50,799	1/4	62,823	1/4	74,847	1/4	86,870	1/4	98,891	1/4	110,908
1/2	3,283	1/2	15,193	1/2	27,003	1/2	39,026	1/2	51,050	1/2	63,073	1/2	75,097	1/2	87,121	1/2	99,141	1/2	111,159
3/4	3,534	3/4	15,435	3/4	27,253	3/4	39,277	3/4	51,300	3/4	63,324	3/4	75,348	3/4	87,371	3/4	99,391	3/4	111,409
5	3,784	5	15,677	5	27,504	5	39,527	5	51,551	5	63,574	5	75,598	5	87,622	5	99,642	5	111,659
1/4	4,035	1/4	15,919	1/4	27,754	1/4	39,778	1/4	51,801	1/4	63,825	1/4	75,849	1/4	87,872	1/4	99,892	1/4	111,910
1/2	4,285	1/2	16,162	1/2	28,005	1/2	40,028	1/2	52,052	1/2	64,075	1/2	76,099	1/2	88,123	1/2	100,142	1/2	112,160
3/4	4,536	3/4	16,404	3/4	28,255	3/4	40,279	3/4	52,302	3/4	64,326	3/4	76,349	3/4	88,373	3/4	100,393	3/4	112,411
6	4,786	6	16,646	6	28,506	6	40,529	6	52,553	6	64,576	6	76,600	6	88,624	6	100,643	6	112,661
1/4	5,037	1/4	16,889	1/4	28,756	1/4	40,780	1/4	52,803	1/4	64,827	1/4	76,850	1/4	88,874	1/4	100,894	1/4	112,911
1/2	5,287	1/2	17,131	1/2	29,007	1/2	41,030	1/2	53,054	1/2	65,077	1/2	77,101	1/2	89,125	1/2	101,144	1/2	113,162
3/4	5,538	3/4	17,373	3/4	29,257	3/4	41,281	3/4	53,304	3/4	65,328	3/4	77,351	3/4	89,375	3/4	101,394	3/4	113,412
7	5,788	7	17,615	7	29,508	7	41,531	7	53,555	7	65,578	7	77,602	7	89,625	7	101,645	7	113,662
1/4	6,039	1/4	17,858	1/4	29,758	1/4	41,782	1/4	53,805	1/4	65,829	1/4	77,852	1/4	89,876	1/4	101,895	1/4	113,913
1/2	6,289	1/2	18,100	1/2	30,009	1/2	42,032	1/2	54,056	1/2	66,079	1/2	78,103	1/2	90,126	1/2	102,145	1/2	114,163
3/4	6,540	3/4	18,342	3/4	30,259	3/4	42,283	3/4	54,306	3/4	66,330	3/4	78,353	3/4	90,377	3/4	102,396	3/4	114,414
8	6,790	8	18,585	8	30,510	8	42,533	8	54,557	8	66,580	8	78,604	8	90,627	8	102,646	8	114,664
1/4	7,041	1/4	18,827	1/4	30,760	1/4	42,784	1/4	54,807	1/4	66,831	1/4	78,854	1/4	90,878	1/4	102,897	1/4	114,914
1/2	7,291	1/2	19,069	1/2	31,011	1/2	43,034	1/2	55,058	1/2	67,081	1/2	79,105	1/2	91,128	1/2	103,147	1/2	115,165
3/4	7,541	3/4	19,311	3/4	31,261	3/4	43,285	3/4	55,308	3/4	67,332	3/4	79,355	3/4	91,379	3/4	103,397	3/4	115,415
9	7,792	9	19,554	9	31,512	9	43,535	9	55,559	9	67,582	9	79,606	9	91,629	9	103,648	9	115,665
1/4	8,042	1/4	19,796	1/4	31,762	1/4	43,786	1/4	55,809	1/4	67,833	1/4	79,856	1/4	91,880	1/4	103,898	1/4	115,916
1/2	8,292	1/2	20,038	1/2	32,013	1/2	44,036	1/2	56,060	1/2	68,083	1/2	80,107	1/2	92,130	1/2	104,148	1/2	116,166
3/4	8,543	3/4	20,281	3/4	32,263	3/4	44,287	3/4	56,310	3/4	68,334	3/4	80,357	3/4	92,381	3/4	104,399	3/4	116,417
10	8,793	10	20,523	10	32,514	10	44,537	10	56,561	10	68,584	10	80,608	10	92,631	10	104,649	10	116,667
1/4	9,043	1/4	20,765	1/4	32,764	1/4	44,788	1/4	56,811	1/4	68,835	1/4	80,858	1/4	92,882	1/4	104,900	1/4	116,917
1/2	9,294	1/2	21,007	1/2	33,015	1/2	45,038	1/2	57,062	1/2	69,085	1/2	81,109	1/2	93,132	1/2	105,150	1/2	117,168
3/4	9,544	3/4	21,250	3/4	33,265	3/4	45,289	3/4	57,312	3/4	69,336	3/4	81,359	3/4	93,382	3/4	105,400	3/4	117,418
11	9,794	11	21,492	11	33,516	11	45,539	11	57,563	11	69,586	11	81,610	11	93,633	11	105,651	11	117,668
1/4	10,045	1/4	21,743	1/4	33,766	1/4	45,790	1/4	57,813	1/4	69,837	1/4	81,860	1/4	93,883	1/4	105,901	1/4	117,919
1/2	10,295	1/2	21,993	1/2	34,017	1/2	46,040	1/2	58,064	1/2	70,087	1/2	82,111	1/2	94,134	1/2	106,151	1/2	118,169
3/4	10,545	3/4	22,243	3/4	34,267	3/4	46,291	3/4	58,314	3/4	70,338	3/4	82,361	3/4	94,384	3/4	106,402	3/4	118,419

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 INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "DBL 105"

2 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0 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	118,670	0	130,688	0	142,705	0	154,723	0	166,694	0		0		0		0		0	
1/4	118,920	1/4	130,938	1/4	142,956	1/4	154,973	1/4	166,942	1/4		1/4		1/4		1/4		1/4	
1/2	119,171	1/2	131,188	1/2	143,206	1/2	155,224	1/2	167,190	1/2		1/2		1/2		1/2		1/2	
3/4	119,421	3/4	131,439	3/4	143,456	3/4	155,474	3/4	167,438	3/4		3/4		3/4		3/4		3/4	
1	119,671	1	131,689	1	143,707	1	155,725	1	167,686	1		1		1		1		1	
1/4	119,922	1/4	131,939	1/4	143,957	1/4	155,975	1/4	167,935	1/4		1/4		1/4		1/4		1/4	
1/2	120,172	1/2	132,190	1/2	144,208	1/2	156,225	1/2	168,183	1/2		1/2		1/2		1/2		1/2	
3/4	120,422	3/4	132,440	3/4	144,458	3/4	156,476	3/4	168,431	3/4		3/4		3/4		3/4		3/4	
2	120,673	2	132,691	2	144,708	2	156,726	2	168,679	2		2		2		2		2	
1/4	120,923	1/4	132,941	1/4	144,959	1/4	156,976	1/4	168,927	1/4		1/4		1/4		1/4		1/4	
1/2	121,174	1/2	133,191	1/2	145,209	1/2	157,227	1/2	169,175	1/2		1/2		1/2		1/2		1/2	
3/4	121,424	3/4	133,442	3/4	145,459	3/4	157,477	3/4	169,423	3/4		3/4		3/4		3/4		3/4	
3	121,674	3	133,692	3	145,710	3	157,728	3	169,671	3		3		3		3		3	
1/4	121,925	1/4	133,942	1/4	145,960	1/4	157,978	1/4	169,919	1/4		1/4		1/4		1/4		1/4	
1/2	122,175	1/2	134,193	1/2	146,211	1/2	158,228	1/2	170,167	1/2		1/2		1/2		1/2		1/2	
3/4	122,425	3/4	134,443	3/4	146,461	3/4	158,479	3/4	170,415	3/4		3/4		3/4		3/4		3/4	
4	122,676	4	134,694	4	146,711	4	158,729	4	170,663	4		4		4		4		4	
1/4	122,926	1/4	134,944	1/4	146,962	1/4	158,979	1/4	170,911	1/4		1/4		1/4		1/4		1/4	
1/2	123,177	1/2	135,194	1/2	147,212	1/2	159,230	1/2	171,159	1/2		1/2		1/2		1/2		1/2	
3/4	123,427	3/4	135,445	3/4	147,462	3/4	159,480	3/4	171,407	3/4		3/4		3/4		3/4		3/4	
5	123,677	5	135,695	5	147,713	5	159,731	5	171,655	5		5		5		5		5	
1/4	123,928	1/4	135,945	1/4	147,963	1/4	159,981	1/4	171,900	1/4		1/4		1/4		1/4		1/4	
1/2	124,178	1/2	136,196	1/2	148,214	1/2	160,231	1/2	172,145	1/2		1/2		1/2		1/2		1/2	
3/4	124,428	3/4	136,446	3/4	148,464	3/4	160,482	3/4	172,390	3/4		3/4		3/4		3/4		3/4	
6	124,679	6	136,696	6	148,714	6	160,732	6	172,634	6		6		6		6		6	
1/4	124,929	1/4	136,947	1/4	148,965	1/4	160,982	1/4	172,879	1/4		1/4		1/4		1/4		1/4	
1/2	125,179	1/2	137,197	1/2	149,215	1/2	161,233	1/2	173,124	1/2		1/2		1/2		1/2		1/2	
3/4	125,430	3/4	137,448	3/4	149,465	3/4	161,483	3/4	173,369	3/4		3/4		3/4		3/4		3/4	
7	125,680	7	137,698	7	149,716	7	161,733	7	173,614	7		7		7		7		7	
1/4	125,931	1/4	137,948	1/4	149,966	1/4	161,982	1/4	173,859	1/4		1/4		1/4		1/4		1/4	
1/2	126,181	1/2	138,199	1/2	150,216	1/2	162,230	1/2	174,104	1/2		1/2		1/2		1/2		1/2	
3/4	126,431	3/4	138,449	3/4	150,467	3/4	162,478	3/4	174,348	3/4		3/4		3/4		3/4		3/4	
8	126,682	8	138,699	8	150,717	8	162,726	8	174,593	8		8		8		8		8	
1/4	126,932	1/4	138,950	1/4	150,968	1/4	162,974	1/4	174,838	1/4		1/4		1/4		1/4		1/4	
1/2	127,182	1/2	139,200	1/2	151,218	1/2	163,222	1/2	175,083	1/2		1/2		1/2		1/2		1/2	
3/4	127,433	3/4	139,451	3/4	151,468	3/4	163,470	3/4	175,328	3/4		3/4		3/4		3/4		3/4	
9	127,683	9	139,701	9	151,719	9	163,718	9	175,573	9		9		9		9		9	
1/4	127,934	1/4	139,951	1/4	151,969	1/4	163,966	1/4	175,742	1/4		1/4		1/4		1/4		1/4	
1/2	128,184	1/2	140,202	1/2	152,219	1/2	164,214	1/2	175,912	1/2		1/2		1/2		1/2		1/2	
3/4	128,434	3/4	140,452	3/4	152,470	3/4	164,462	3/4	176,082	3/4		3/4		3/4		3/4		3/4	
10	128,685	10	140,702	10	152,720	10	164,710	10	176,251	10		10		10		10		10	
1/4	128,935	1/4	140,953	1/4	152,971	1/4	164,958	1/4	176,327	1/4		1/4		1/4		1/4		1/4	
1/2	129,185	1/2	141,203	1/2	153,221	1/2	165,206	1/2	176,402	1/2		1/2		1/2		1/2		1/2	
3/4	129,436	3/4	141,454	3/4	153,471	3/4	165,454	3/4	176,477	3/4		3/4		3/4		3/4		3/4	
11	129,686	11	141,704	11	153,722	11	165,702	11	176,552	11		11		11		11		11	
1/4	129,937	1/4	141,954	1/4	153,972	1/4	165,950	1/4	176,565	1/4		1/4		1/4		1/4		1/4	
1/2	130,187	1/2	142,205	1/2	154,222	1/2	166,198	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	130,437	3/4	142,455	3/4	154,473	3/4	166,446	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2014 SW
CALCULATED: 07/24/2014 CL
PRINTED: 07/24/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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

BARGE "DBL 105"

3 CENTER

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	27	0	9,514	0	20,082	0	30,672	0	41,263	0	51,853	0	62,444	0	73,034	0	83,624	0	94,209
1/4	71	1/4	9,735	1/4	20,302	1/4	30,893	1/4	41,483	1/4	52,074	1/4	62,664	1/4	73,255	1/4	83,844	1/4	94,430
1/2	115	1/2	9,955	1/2	20,523	1/2	31,113	1/2	41,704	1/2	52,294	1/2	62,885	1/2	73,475	1/2	84,065	1/2	94,650
3/4	160	3/4	10,176	3/4	20,744	3/4	31,334	3/4	41,925	3/4	52,515	3/4	63,106	3/4	73,696	3/4	84,285	3/4	94,871
1	204	1	10,397	1	20,964	1	31,555	1	42,145	1	52,736	1	63,326	1	73,917	1	84,506	1	95,091
1/4	336	1/4	10,617	1/4	21,185	1/4	31,775	1/4	42,366	1/4	52,956	1/4	63,547	1/4	74,137	1/4	84,726	1/4	95,312
1/2	468	1/2	10,838	1/2	21,406	1/2	31,996	1/2	42,586	1/2	53,177	1/2	63,767	1/2	74,358	1/2	84,947	1/2	95,532
3/4	601	3/4	11,058	3/4	21,626	3/4	32,217	3/4	42,807	3/4	53,398	3/4	63,988	3/4	74,579	3/4	85,167	3/4	95,753
2	733	2	11,279	2	21,847	2	32,437	2	43,028	2	53,618	2	64,209	2	74,799	2	85,388	2	95,973
1/4	943	1/4	11,499	1/4	22,067	1/4	32,658	1/4	43,248	1/4	53,839	1/4	64,429	1/4	75,020	1/4	85,608	1/4	96,194
1/2	1,152	1/2	11,720	1/2	22,288	1/2	32,879	1/2	43,469	1/2	54,060	1/2	64,650	1/2	75,240	1/2	85,829	1/2	96,414
3/4	1,362	3/4	11,940	3/4	22,509	3/4	33,099	3/4	43,690	3/4	54,280	3/4	64,871	3/4	75,461	3/4	86,050	3/4	96,635
3	1,572	3	12,160	3	22,729	3	33,320	3	43,910	3	54,501	3	65,091	3	75,682	3	86,270	3	96,855
1/4	1,792	1/4	12,380	1/4	22,950	1/4	33,540	1/4	44,131	1/4	54,721	1/4	65,312	1/4	75,902	1/4	86,491	1/4	97,076
1/2	2,013	1/2	12,600	1/2	23,171	1/2	33,761	1/2	44,352	1/2	54,942	1/2	65,533	1/2	76,123	1/2	86,711	1/2	97,297
3/4	2,233	3/4	12,820	3/4	23,391	3/4	33,982	3/4	44,572	3/4	55,163	3/4	65,753	3/4	76,344	3/4	86,932	3/4	97,517
4	2,454	4	13,040	4	23,612	4	34,202	4	44,793	4	55,383	4	65,974	4	76,564	4	87,152	4	97,738
1/4	2,675	1/4	13,260	1/4	23,833	1/4	34,423	1/4	45,013	1/4	55,604	1/4	66,194	1/4	76,785	1/4	87,373	1/4	97,958
1/2	2,895	1/2	13,480	1/2	24,053	1/2	34,644	1/2	45,234	1/2	55,825	1/2	66,415	1/2	77,006	1/2	87,593	1/2	98,179
3/4	3,116	3/4	13,700	3/4	24,274	3/4	34,864	3/4	45,455	3/4	56,045	3/4	66,636	3/4	77,226	3/4	87,814	3/4	98,399
5	3,337	5	13,920	5	24,494	5	35,085	5	45,675	5	56,266	5	66,856	5	77,447	5	88,034	5	98,620
1/4	3,557	1/4	14,140	1/4	24,715	1/4	35,306	1/4	45,896	1/4	56,486	1/4	67,077	1/4	77,667	1/4	88,255	1/4	98,840
1/2	3,778	1/2	14,360	1/2	24,936	1/2	35,526	1/2	46,117	1/2	56,707	1/2	67,298	1/2	77,888	1/2	88,475	1/2	99,061
3/4	3,998	3/4	14,580	3/4	25,156	3/4	35,747	3/4	46,337	3/4	56,928	3/4	67,518	3/4	78,109	3/4	88,696	3/4	99,281
6	4,219	6	14,800	6	25,377	6	35,967	6	46,558	6	57,148	6	67,739	6	78,329	6	88,916	6	99,502
1/4	4,440	1/4	15,020	1/4	25,598	1/4	36,188	1/4	46,779	1/4	57,369	1/4	67,960	1/4	78,550	1/4	89,137	1/4	99,722
1/2	4,660	1/2	15,240	1/2	25,818	1/2	36,409	1/2	46,999	1/2	57,590	1/2	68,180	1/2	78,771	1/2	89,357	1/2	99,943
3/4	4,881	3/4	15,460	3/4	26,039	3/4	36,629	3/4	47,220	3/4	57,810	3/4	68,401	3/4	78,991	3/4	89,578	3/4	100,163
7	5,102	7	15,680	7	26,260	7	36,850	7	47,440	7	58,031	7	68,621	7	79,212	7	89,799	7	100,384
1/4	5,322	1/4	15,900	1/4	26,480	1/4	37,071	1/4	47,661	1/4	58,252	1/4	68,842	1/4	79,433	1/4	90,019	1/4	100,604
1/2	5,543	1/2	16,120	1/2	26,701	1/2	37,291	1/2	47,882	1/2	58,472	1/2	69,063	1/2	79,653	1/2	90,240	1/2	100,825
3/4	5,763	3/4	16,340	3/4	26,921	3/4	37,512	3/4	48,102	3/4	58,693	3/4	69,283	3/4	79,874	3/4	90,460	3/4	101,046
8	5,984	8	16,560	8	27,142	8	37,733	8	48,323	8	58,913	8	69,504	8	80,094	8	90,681	8	101,266
1/4	6,205	1/4	16,780	1/4	27,363	1/4	37,953	1/4	48,544	1/4	59,134	1/4	69,725	1/4	80,315	1/4	90,901	1/4	101,487
1/2	6,425	1/2	17,000	1/2	27,583	1/2	38,174	1/2	48,764	1/2	59,355	1/2	69,945	1/2	80,536	1/2	91,122	1/2	101,707
3/4	6,646	3/4	17,221	3/4	27,804	3/4	38,394	3/4	48,985	3/4	59,575	3/4	70,166	3/4	80,756	3/4	91,342	3/4	101,928
9	6,867	9	17,441	9	28,025	9	38,615	9	49,206	9	59,796	9	70,386	9	80,977	9	91,563	9	102,148
1/4	7,087	1/4	17,661	1/4	28,245	1/4	38,836	1/4	49,426	1/4	60,017	1/4	70,607	1/4	81,198	1/4	91,783	1/4	102,369
1/2	7,308	1/2	17,881	1/2	28,466	1/2	39,056	1/2	49,647	1/2	60,237	1/2	70,828	1/2	81,418	1/2	92,004	1/2	102,589
3/4	7,528	3/4	18,101	3/4	28,686	3/4	39,277	3/4	49,867	3/4	60,458	3/4	71,048	3/4	81,639	3/4	92,224	3/4	102,810
10	7,749	10	18,321	10	28,907	10	39,498	10	50,088	10	60,679	10	71,269	10	81,859	10	92,445	10	103,030
1/4	7,970	1/4	18,541	1/4	29,128	1/4	39,718	1/4	50,309	1/4	60,899	1/4	71,490	1/4	82,080	1/4	92,665	1/4	103,251
1/2	8,190	1/2	18,761	1/2	29,348	1/2	39,939	1/2	50,529	1/2	61,120	1/2	71,710	1/2	82,301	1/2	92,886	1/2	103,471
3/4	8,411	3/4	18,981	3/4	29,569	3/4	40,160	3/4	50,750	3/4	61,340	3/4	71,931	3/4	82,521	3/4	93,106	3/4	103,692
11	8,632	11	19,201	11	29,790	11	40,380	11	50,971	11	61,561	11	72,152	11	82,742	11	93,327	11	103,912
1/4	8,852	1/4	19,421	1/4	30,010	1/4	40,601	1/4	51,191	1/4	61,782	1/4	72,372	1/4	82,962	1/4	93,548	1/4	104,133
1/2	9,073	1/2	19,641	1/2	30,231	1/2	40,821	1/2	51,412	1/2	62,002	1/2	72,593	1/2	83,183	1/2	93,768	1/2	104,353
3/4	9,293	3/4	19,861	3/4	30,452	3/4	41,042	3/4	51,633	3/4	62,223	3/4	72,813	3/4	83,403	3/4	93,989	3/4	104,574

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 INNAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 105"

3 CENTER
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0 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	104,795	0	115,380	0	125,965	0	136,551	0	147,095	0		0		0		0		0	
1/4	105,015	1/4	115,600	1/4	126,186	1/4	136,771	1/4	147,314	1/4		1/4		1/4		1/4		1/4	
1/2	105,236	1/2	115,821	1/2	126,406	1/2	136,992	1/2	147,532	1/2		1/2		1/2		1/2		1/2	
3/4	105,456	3/4	116,041	3/4	126,627	3/4	137,212	3/4	147,751	3/4		3/4		3/4		3/4		3/4	
1	105,677	1	116,262	1	126,847	1	137,433	1	147,969	1		1		1		1		1	
1/4	105,897	1/4	116,483	1/4	127,068	1/4	137,653	1/4	148,188	1/4		1/4		1/4		1/4		1/4	
1/2	106,118	1/2	116,703	1/2	127,288	1/2	137,874	1/2	148,406	1/2		1/2		1/2		1/2		1/2	
3/4	106,338	3/4	116,924	3/4	127,509	3/4	138,094	3/4	148,625	3/4		3/4		3/4		3/4		3/4	
2	106,559	2	117,144	2	127,730	2	138,315	2	148,843	2		2		2		2		2	
1/4	106,779	1/4	117,365	1/4	127,950	1/4	138,535	1/4	149,062	1/4		1/4		1/4		1/4		1/4	
1/2	107,000	1/2	117,585	1/2	128,171	1/2	138,756	1/2	149,280	1/2		1/2		1/2		1/2		1/2	
3/4	107,220	3/4	117,806	3/4	128,391	3/4	138,976	3/4	149,499	3/4		3/4		3/4		3/4		3/4	
3	107,441	3	118,026	3	128,612	3	139,197	3	149,717	3		3		3		3		3	
1/4	107,661	1/4	118,247	1/4	128,832	1/4	139,418	1/4	149,936	1/4		1/4		1/4		1/4		1/4	
1/2	107,882	1/2	118,467	1/2	129,053	1/2	139,638	1/2	150,154	1/2		1/2		1/2		1/2		1/2	
3/4	108,102	3/4	118,688	3/4	129,273	3/4	139,859	3/4	150,373	3/4		3/4		3/4		3/4		3/4	
4	108,323	4	118,908	4	129,494	4	140,079	4	150,591	4		4		4		4		4	
1/4	108,543	1/4	119,129	1/4	129,714	1/4	140,300	1/4	150,810	1/4		1/4		1/4		1/4		1/4	
1/2	108,764	1/2	119,349	1/2	129,935	1/2	140,520	1/2	151,028	1/2		1/2		1/2		1/2		1/2	
3/4	108,985	3/4	119,570	3/4	130,155	3/4	140,741	3/4	151,247	3/4		3/4		3/4		3/4		3/4	
5	109,205	5	119,790	5	130,376	5	140,961	5	151,465	5		5		5		5		5	
1/4	109,426	1/4	120,011	1/4	130,596	1/4	141,182	1/4	151,681	1/4		1/4		1/4		1/4		1/4	
1/2	109,646	1/2	120,232	1/2	130,817	1/2	141,402	1/2	151,896	1/2		1/2		1/2		1/2		1/2	
3/4	109,867	3/4	120,452	3/4	131,037	3/4	141,623	3/4	152,112	3/4		3/4		3/4		3/4		3/4	
6	110,087	6	120,673	6	131,258	6	141,843	6	152,328	6		6		6		6		6	
1/4	110,308	1/4	120,893	1/4	131,479	1/4	142,064	1/4	152,543	1/4		1/4		1/4		1/4		1/4	
1/2	110,528	1/2	121,114	1/2	131,699	1/2	142,284	1/2	152,759	1/2		1/2		1/2		1/2		1/2	
3/4	110,749	3/4	121,334	3/4	131,920	3/4	142,505	3/4	152,975	3/4		3/4		3/4		3/4		3/4	
7	110,969	7	121,555	7	132,140	7	142,725	7	153,190	7		7		7		7		7	
1/4	111,190	1/4	121,775	1/4	132,361	1/4	142,944	1/4	153,406	1/4		1/4		1/4		1/4		1/4	
1/2	111,410	1/2	121,996	1/2	132,581	1/2	143,162	1/2	153,622	1/2		1/2		1/2		1/2		1/2	
3/4	111,631	3/4	122,216	3/4	132,802	3/4	143,381	3/4	153,837	3/4		3/4		3/4		3/4		3/4	
8	111,851	8	122,437	8	133,022	8	143,599	8	154,053	8		8		8		8		8	
1/4	112,072	1/4	122,657	1/4	133,243	1/4	143,818	1/4	154,269	1/4		1/4		1/4		1/4		1/4	
1/2	112,292	1/2	122,878	1/2	133,463	1/2	144,036	1/2	154,485	1/2		1/2		1/2		1/2		1/2	
3/4	112,513	3/4	123,098	3/4	133,684	3/4	144,255	3/4	154,700	3/4		3/4		3/4		3/4		3/4	
9	112,734	9	123,319	9	133,904	9	144,473	9	154,916	9		9		9		9		9	
1/4	112,954	1/4	123,539	1/4	134,125	1/4	144,692	1/4	155,065	1/4		1/4		1/4		1/4		1/4	
1/2	113,175	1/2	123,760	1/2	134,345	1/2	144,910	1/2	155,215	1/2		1/2		1/2		1/2		1/2	
3/4	113,395	3/4	123,981	3/4	134,566	3/4	145,129	3/4	155,364	3/4		3/4		3/4		3/4		3/4	
10	113,616	10	124,201	10	134,786	10	145,347	10	155,514	10		10		10		10		10	
1/4	113,836	1/4	124,422	1/4	135,007	1/4	145,566	1/4	155,580	1/4		1/4		1/4		1/4		1/4	
1/2	114,057	1/2	124,642	1/2	135,227	1/2	145,784	1/2	155,646	1/2		1/2		1/2		1/2		1/2	
3/4	114,277	3/4	124,863	3/4	135,448	3/4	146,003	3/4	155,712	3/4		3/4		3/4		3/4		3/4	
11	114,498	11	125,083	11	135,669	11	146,221	11	155,779	11		11		11		11		11	
1/4	114,718	1/4	125,304	1/4	135,889	1/4	146,440	1/4	155,790	1/4		1/4		1/4		1/4		1/4	
1/2	114,939	1/2	125,524	1/2	136,110	1/2	146,658	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	115,159	3/4	125,745	3/4	136,330	3/4	146,877	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2014 SW
CALCULATED: 07/24/2014 CL
PRINTED: 07/24/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "DBL 105"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8
2 CENTER	00-0/8	- 00-0/8	00-1/8	- 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
3 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 CENTER IS 00-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8'

LENGTH BETWEEN DRAFT MARKS: 160'-06"

July 22, 2014

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

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BARGE "DBL 105"

1 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-1"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0		0	144,874	0	135,471	0	126,026	0	116,581	0	106,916
1/4		1/4		1/4		1/4		1/4		1/4	144,679	1/4	135,274	1/4	125,829	1/4	116,385	1/4	106,692
1/2		1/2		1/2		1/2		1/2		1/2	144,484	1/2	135,077	1/2	125,633	1/2	116,188	1/2	106,468
3/4		3/4		3/4		3/4		3/4		3/4	144,288	3/4	134,881	3/4	125,436	3/4	115,991	3/4	106,244
1		1		1		1		1		1	144,093	1	134,684	1	125,239	1	115,794	1	106,021
1/4		1/4		1/4		1/4		1/4		1/4	143,898	1/4	134,487	1/4	125,042	1/4	115,598	1/4	105,797
1/2		1/2		1/2		1/2		1/2		1/2	143,703	1/2	134,290	1/2	124,846	1/2	115,401	1/2	105,573
3/4		3/4		3/4		3/4		3/4	151,848	3/4	143,508	3/4	134,093	3/4	124,649	3/4	115,204	3/4	105,349
2		2		2		2		2	151,837	2	143,313	2	133,897	2	124,452	2	115,007	2	105,125
1/4		1/4		1/4		1/4		1/4	151,769	1/4	143,118	1/4	133,700	1/4	124,255	1/4	114,811	1/4	104,902
1/2		1/2		1/2		1/2		1/2	151,702	1/2	142,923	1/2	133,503	1/2	124,059	1/2	114,614	1/2	104,678
3/4		3/4		3/4		3/4		3/4	151,635	3/4	142,728	3/4	133,306	3/4	123,862	3/4	114,417	3/4	104,454
3		3		3		3		3	151,567	3	142,533	3	133,110	3	123,665	3	114,220	3	104,230
1/4		1/4		1/4		1/4		1/4	151,443	1/4	142,338	1/4	132,913	1/4	123,468	1/4	114,024	1/4	104,006
1/2		1/2		1/2		1/2		1/2	151,318	1/2	142,143	1/2	132,716	1/2	123,271	1/2	113,827	1/2	103,782
3/4		3/4		3/4		3/4		3/4	151,193	3/4	141,948	3/4	132,519	3/4	123,075	3/4	113,630	3/4	103,559
4		4		4		4		4	151,068	4	141,753	4	132,323	4	122,878	4	113,433	4	103,335
1/4		1/4		1/4		1/4		1/4	150,876	1/4	141,558	1/4	132,126	1/4	122,681	1/4	113,237	1/4	103,111
1/2		1/2		1/2		1/2		1/2	150,684	1/2	141,363	1/2	131,929	1/2	122,484	1/2	113,040	1/2	102,887
3/4		3/4		3/4		3/4		3/4	150,492	3/4	141,168	3/4	131,732	3/4	122,288	3/4	112,843	3/4	102,663
5		5		5		5		5	150,300	5	140,973	5	131,536	5	122,091	5	112,646	5	102,439
1/4		1/4		1/4		1/4		1/4	150,107	1/4	140,778	1/4	131,339	1/4	121,894	1/4	112,449	1/4	102,216
1/2		1/2		1/2		1/2		1/2	149,915	1/2	140,583	1/2	131,142	1/2	121,697	1/2	112,253	1/2	101,992
3/4		3/4		3/4		3/4		3/4	149,723	3/4	140,388	3/4	130,945	3/4	121,501	3/4	112,056	3/4	101,768
6		6		6		6		6	149,531	6	140,193	6	130,748	6	121,304	6	111,859	6	101,544
1/4		1/4		1/4		1/4		1/4	149,339	1/4	139,996	1/4	130,552	1/4	121,107	1/4	111,662	1/4	101,320
1/2		1/2		1/2		1/2		1/2	149,147	1/2	139,800	1/2	130,355	1/2	120,910	1/2	111,466	1/2	101,097
3/4		3/4		3/4		3/4		3/4	148,955	3/4	139,603	3/4	130,158	3/4	120,714	3/4	111,269	3/4	100,873
7		7		7		7		7	148,762	7	139,406	7	129,961	7	120,517	7	111,072	7	100,649
1/4		1/4		1/4		1/4		1/4	148,570	1/4	139,209	1/4	129,765	1/4	120,320	1/4	110,875	1/4	100,425
1/2		1/2		1/2		1/2		1/2	148,378	1/2	139,013	1/2	129,568	1/2	120,123	1/2	110,679	1/2	100,201
3/4		3/4		3/4		3/4		3/4	148,186	3/4	138,816	3/4	129,371	3/4	119,926	3/4	110,482	3/4	99,977
8		8		8		8		8	147,994	8	138,619	8	129,174	8	119,730	8	110,285	8	99,754
1/4		1/4		1/4		1/4		1/4	147,799	1/4	138,422	1/4	128,978	1/4	119,533	1/4	110,088	1/4	99,530
1/2		1/2		1/2		1/2		1/2	147,604	1/2	138,225	1/2	128,781	1/2	119,336	1/2	109,892	1/2	99,306
3/4		3/4		3/4		3/4		3/4	147,409	3/4	138,029	3/4	128,584	3/4	119,139	3/4	109,695	3/4	99,082
9		9		9		9		9	147,214	9	137,832	9	128,387	9	118,943	9	109,498	9	98,858
1/4		1/4		1/4		1/4		1/4	147,019	1/4	137,635	1/4	128,191	1/4	118,746	1/4	109,301	1/4	98,635
1/2		1/2		1/2		1/2		1/2	146,824	1/2	137,438	1/2	127,994	1/2	118,549	1/2	109,104	1/2	98,411
3/4		3/4		3/4		3/4		3/4	146,629	3/4	137,242	3/4	127,797	3/4	118,352	3/4	108,908	3/4	98,187
10		10		10		10		10	146,434	10	137,045	10	127,600	10	118,156	10	108,711	10	97,963
1/4		1/4		1/4		1/4		1/4	146,239	1/4	136,848	1/4	127,403	1/4	117,959	1/4	108,487	1/4	97,739
1/2		1/2		1/2		1/2		1/2	146,044	1/2	136,651	1/2	127,207	1/2	117,762	1/2	108,262	1/2	97,515
3/4		3/4		3/4		3/4		3/4	145,849	3/4	136,455	3/4	127,010	3/4	117,565	3/4	108,038	3/4	97,292
11		11		11		11		11	145,654	11	136,258	11	126,813	11	117,369	11	107,813	11	97,068
1/4		1/4		1/4		1/4		1/4	145,459	1/4	136,061	1/4	126,616	1/4	117,172	1/4	107,589	1/4	96,844
1/2		1/2		1/2		1/2		1/2	145,264	1/2	135,864	1/2	126,420	1/2	116,975	1/2	107,365	1/2	96,620
3/4		3/4		3/4		3/4		3/4	145,069	3/4	135,668	3/4	126,223	3/4	116,778	3/4	107,140	3/4	96,396

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 26'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "DBL 105"

1 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-1"

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	96,173	0	85,429	0	74,682	0	63,935	0	53,187	0	42,537	0	31,806	0	21,063	0	10,558	0	206
1/4	95,949	1/4	85,205	1/4	74,458	1/4	63,711	1/4	52,963	1/4	42,317	1/4	31,582	1/4	20,839	1/4	10,334	1/4	162
1/2	95,725	1/2	84,981	1/2	74,235	1/2	63,487	1/2	52,739	1/2	42,096	1/2	31,359	1/2	20,615	1/2	10,110	1/2	117
3/4	95,501	3/4	84,758	3/4	74,011	3/4	63,263	3/4	52,515	3/4	41,875	3/4	31,135	3/4	20,392	3/4	9,887	3/4	72
1	95,277	1	84,534	1	73,787	1	63,039	1	52,291	1	41,654	1	30,911	1	20,168	1	9,663	1	27
1/4	95,053	1/4	84,310	1/4	73,563	1/4	62,815	1/4	52,067	1/4	41,430	1/4	30,687	1/4	19,944	1/4	9,439	1/4	
1/2	94,830	1/2	84,086	1/2	73,339	1/2	62,591	1/2	51,843	1/2	41,206	1/2	30,463	1/2	19,720	1/2	9,215	1/2	
3/4	94,606	3/4	83,862	3/4	73,115	3/4	62,367	3/4	51,619	3/4	40,983	3/4	30,239	3/4	19,496	3/4	8,991	3/4	
2	94,382	2	83,639	2	72,891	2	62,143	2	51,396	2	40,759	2	30,016	2	19,273	2	8,767	2	
1/4	94,158	1/4	83,415	1/4	72,667	1/4	61,919	1/4	51,172	1/4	40,535	1/4	29,792	1/4	19,055	1/4	8,544	1/4	
1/2	93,934	1/2	83,191	1/2	72,443	1/2	61,695	1/2	50,948	1/2	40,311	1/2	29,568	1/2	18,837	1/2	8,320	1/2	
3/4	93,710	3/4	82,967	3/4	72,219	3/4	61,472	3/4	50,724	3/4	40,087	3/4	29,344	3/4	18,619	3/4	8,096	3/4	
3	93,487	3	82,743	3	71,995	3	61,248	3	50,500	3	39,863	3	29,120	3	18,401	3	7,872	3	
1/4	93,263	1/4	82,519	1/4	71,772	1/4	61,024	1/4	50,278	1/4	39,640	1/4	28,897	1/4	18,183	1/4	7,648	1/4	
1/2	93,039	1/2	82,295	1/2	71,548	1/2	60,800	1/2	50,055	1/2	39,416	1/2	28,673	1/2	17,965	1/2	7,425	1/2	
3/4	92,815	3/4	82,072	3/4	71,324	3/4	60,576	3/4	49,833	3/4	39,192	3/4	28,449	3/4	17,748	3/4	7,201	3/4	
4	92,591	4	81,848	4	71,100	4	60,352	4	49,610	4	38,968	4	28,225	4	17,530	4	6,977	4	
1/4	92,368	1/4	81,624	1/4	70,876	1/4	60,128	1/4	49,388	1/4	38,744	1/4	28,001	1/4	17,312	1/4	6,753	1/4	
1/2	92,144	1/2	81,400	1/2	70,652	1/2	59,904	1/2	49,166	1/2	38,521	1/2	27,778	1/2	17,094	1/2	6,529	1/2	
3/4	91,920	3/4	81,176	3/4	70,428	3/4	59,680	3/4	48,943	3/4	38,297	3/4	27,554	3/4	16,876	3/4	6,305	3/4	
5	91,696	5	80,952	5	70,204	5	59,456	5	48,721	5	38,073	5	27,330	5	16,658	5	6,082	5	
1/4	91,472	1/4	80,728	1/4	69,980	1/4	59,232	1/4	48,500	1/4	37,849	1/4	27,106	1/4	16,440	1/4	5,858	1/4	
1/2	91,248	1/2	80,504	1/2	69,756	1/2	59,009	1/2	48,279	1/2	37,625	1/2	26,882	1/2	16,223	1/2	5,634	1/2	
3/4	91,025	3/4	80,280	3/4	69,532	3/4	58,785	3/4	48,059	3/4	37,402	3/4	26,658	3/4	16,005	3/4	5,410	3/4	
6	90,801	6	80,056	6	69,308	6	58,561	6	47,838	6	37,178	6	26,435	6	15,787	6	5,186	6	
1/4	90,577	1/4	79,832	1/4	69,085	1/4	58,337	1/4	47,617	1/4	36,954	1/4	26,211	1/4	15,569	1/4	4,962	1/4	
1/2	90,353	1/2	79,608	1/2	68,861	1/2	58,113	1/2	47,396	1/2	36,730	1/2	25,987	1/2	15,351	1/2	4,738	1/2	
3/4	90,129	3/4	79,385	3/4	68,637	3/4	57,889	3/4	47,175	3/4	36,506	3/4	25,763	3/4	15,133	3/4	4,514	3/4	
7	89,906	7	79,161	7	68,413	7	57,665	7	46,954	7	36,282	7	25,539	7	14,915	7	4,290	7	
1/4	89,682	1/4	78,937	1/4	68,189	1/4	57,441	1/4	46,733	1/4	36,059	1/4	25,316	1/4	14,698	1/4	4,066	1/4	
1/2	89,458	1/2	78,713	1/2	67,965	1/2	57,217	1/2	46,513	1/2	35,835	1/2	25,092	1/2	14,480	1/2	3,842	1/2	
3/4	89,234	3/4	78,489	3/4	67,741	3/4	56,993	3/4	46,292	3/4	35,611	3/4	24,868	3/4	14,262	3/4	3,618	3/4	
8	89,010	8	78,265	8	67,517	8	56,769	8	46,071	8	35,387	8	24,644	8	14,044	8	3,394	8	
1/4	88,786	1/4	78,041	1/4	67,293	1/4	56,545	1/4	45,850	1/4	35,163	1/4	24,420	1/4	13,826	1/4	3,169	1/4	
1/2	88,563	1/2	77,817	1/2	67,069	1/2	56,322	1/2	45,629	1/2	34,940	1/2	24,197	1/2	13,608	1/2	2,945	1/2	
3/4	88,339	3/4	77,593	3/4	66,845	3/4	56,098	3/4	45,408	3/4	34,716	3/4	23,973	3/4	13,390	3/4	2,720	3/4	
9	88,115	9	77,369	9	66,622	9	55,874	9	45,188	9	34,492	9	23,749	9	13,172	9	2,496	9	
1/4	87,891	1/4	77,145	1/4	66,398	1/4	55,650	1/4	44,967	1/4	34,268	1/4	23,525	1/4	12,955	1/4	2,272	1/4	
1/2	87,667	1/2	76,922	1/2	66,174	1/2	55,426	1/2	44,746	1/2	34,044	1/2	23,301	1/2	12,737	1/2	2,047	1/2	
3/4	87,443	3/4	76,698	3/4	65,950	3/4	55,202	3/4	44,525	3/4	33,821	3/4	23,077	3/4	12,519	3/4	1,823	3/4	
10	87,220	10	76,474	10	65,726	10	54,978	10	44,304	10	33,597	10	22,854	10	12,302	10	1,598	10	
1/4	86,996	1/4	76,250	1/4	65,502	1/4	54,754	1/4	44,083	1/4	33,373	1/4	22,630	1/4	12,084	1/4	1,385	1/4	
1/2	86,772	1/2	76,026	1/2	65,278	1/2	54,530	1/2	43,862	1/2	33,149	1/2	22,406	1/2	11,866	1/2	1,172	1/2	
3/4	86,548	3/4	75,802	3/4	65,054	3/4	54,306	3/4	43,642	3/4	32,925	3/4	22,182	3/4	11,648	3/4	958	3/4	
11	86,324	11	75,578	11	64,830	11	54,082	11	43,421	11	32,701	11	21,958	11	11,430	11	745	11	
1/4	86,101	1/4	75,354	1/4	64,606	1/4	53,859	1/4	43,200	1/4	32,478	1/4	21,735	1/4	11,212	1/4	610	1/4	
1/2	85,877	1/2	75,130	1/2	64,382	1/2	53,635	1/2	42,979	1/2	32,254	1/2	21,511	1/2	10,994	1/2	476	1/2	
3/4	85,653	3/4	74,906	3/4	64,159	3/4	53,411	3/4	42,758	3/4	32,030	3/4	21,287	3/4	10,776	3/4	341	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2014 SW
CALCULATED: 07/24/2014 CL
PRINTED: 07/24/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
http://www.pmacorp.net

BARGE "DBL 105"

2 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0		0	167,191	0	155,224	0	143,207	0	131,189	0	119,171
1/4		1/4		1/4		1/4		1/4		1/4	166,943	1/4	154,974	1/4	142,956	1/4	130,938	1/4	118,921
1/2		1/2		1/2		1/2		1/2		1/2	166,695	1/2	154,724	1/2	142,706	1/2	130,688	1/2	118,670
3/4		3/4		3/4		3/4		3/4		3/4	166,447	3/4	154,473	3/4	142,455	3/4	130,438	3/4	118,420
1		1		1		1		1		1	166,199	1	154,223	1	142,205	1	130,187	1	118,170
1/4		1/4		1/4		1/4		1/4	176,565	1/4	165,951	1/4	153,972	1/4	141,955	1/4	129,937	1/4	117,919
1/2		1/2		1/2		1/2		1/2	176,552	1/2	165,703	1/2	153,722	1/2	141,704	1/2	129,687	1/2	117,669
3/4		3/4		3/4		3/4		3/4	176,477	3/4	165,455	3/4	153,472	3/4	141,454	3/4	129,436	3/4	117,418
2		2		2		2		2	176,402	2	165,207	2	153,221	2	141,204	2	129,186	2	117,168
1/4		1/4		1/4		1/4		1/4	176,327	1/4	164,958	1/4	152,971	1/4	140,953	1/4	128,935	1/4	116,918
1/2		1/2		1/2		1/2		1/2	176,252	1/2	164,710	1/2	152,721	1/2	140,703	1/2	128,685	1/2	116,667
3/4		3/4		3/4		3/4		3/4	176,082	3/4	164,462	3/4	152,470	3/4	140,453	3/4	128,435	3/4	116,417
3		3		3		3		3	175,912	3	164,214	3	152,220	3	140,202	3	128,184	3	116,167
1/4		1/4		1/4		1/4		1/4	175,743	1/4	163,966	1/4	151,970	1/4	139,952	1/4	127,934	1/4	115,916
1/2		1/2		1/2		1/2		1/2	175,573	1/2	163,718	1/2	151,719	1/2	139,701	1/2	127,684	1/2	115,666
3/4		3/4		3/4		3/4		3/4	175,328	3/4	163,470	3/4	151,469	3/4	139,451	3/4	127,433	3/4	115,416
4		4		4		4		4	175,083	4	163,222	4	151,218	4	139,201	4	127,183	4	115,165
1/4		1/4		1/4		1/4		1/4	174,839	1/4	162,974	1/4	150,968	1/4	138,950	1/4	126,933	1/4	114,915
1/2		1/2		1/2		1/2		1/2	174,594	1/2	162,726	1/2	150,718	1/2	138,700	1/2	126,682	1/2	114,664
3/4		3/4		3/4		3/4		3/4	174,349	3/4	162,478	3/4	150,467	3/4	138,450	3/4	126,432	3/4	114,414
5		5		5		5		5	174,104	5	162,230	5	150,217	5	138,199	5	126,181	5	114,164
1/4		1/4		1/4		1/4		1/4	173,859	1/4	161,982	1/4	149,967	1/4	137,949	1/4	125,931	1/4	113,913
1/2		1/2		1/2		1/2		1/2	173,614	1/2	161,734	1/2	149,716	1/2	137,698	1/2	125,681	1/2	113,663
3/4		3/4		3/4		3/4		3/4	173,369	3/4	161,484	3/4	149,466	3/4	137,448	3/4	125,430	3/4	113,413
6		6		6		6		6	173,125	6	161,233	6	149,215	6	137,198	6	125,180	6	113,162
1/4		1/4		1/4		1/4		1/4	172,880	1/4	160,983	1/4	148,965	1/4	136,947	1/4	124,930	1/4	112,912
1/2		1/2		1/2		1/2		1/2	172,635	1/2	160,732	1/2	148,715	1/2	136,697	1/2	124,679	1/2	112,661
3/4		3/4		3/4		3/4		3/4	172,390	3/4	160,482	3/4	148,464	3/4	136,447	3/4	124,429	3/4	112,411
7		7		7		7		7	172,145	7	160,232	7	148,214	7	136,196	7	124,178	7	112,161
1/4		1/4		1/4		1/4		1/4	171,900	1/4	159,981	1/4	147,964	1/4	135,946	1/4	123,928	1/4	111,910
1/2		1/2		1/2		1/2		1/2	171,656	1/2	159,731	1/2	147,713	1/2	135,695	1/2	123,678	1/2	111,660
3/4		3/4		3/4		3/4		3/4	171,408	3/4	159,481	3/4	147,463	3/4	135,445	3/4	123,427	3/4	111,410
8		8		8		8		8	171,160	8	159,230	8	147,212	8	135,195	8	123,177	8	111,159
1/4		1/4		1/4		1/4		1/4	170,911	1/4	158,980	1/4	146,962	1/4	134,944	1/4	122,927	1/4	110,909
1/2		1/2		1/2		1/2		1/2	170,663	1/2	158,730	1/2	146,712	1/2	134,694	1/2	122,676	1/2	110,658
3/4		3/4		3/4		3/4		3/4	170,415	3/4	158,479	3/4	146,461	3/4	134,444	3/4	122,426	3/4	110,408
9		9		9		9		9	170,167	9	158,229	9	146,211	9	134,193	9	122,176	9	110,158
1/4		1/4		1/4		1/4		1/4	169,919	1/4	157,978	1/4	145,961	1/4	133,943	1/4	121,925	1/4	109,907
1/2		1/2		1/2		1/2		1/2	169,671	1/2	157,728	1/2	145,710	1/2	133,693	1/2	121,675	1/2	109,657
3/4		3/4		3/4		3/4		3/4	169,423	3/4	157,478	3/4	145,460	3/4	133,442	3/4	121,424	3/4	109,407
10		10		10		10		10	169,175	10	157,227	10	145,210	10	133,192	10	121,174	10	109,156
1/4		1/4		1/4		1/4		1/4	168,927	1/4	156,977	1/4	144,959	1/4	132,941	1/4	120,924	1/4	108,906
1/2		1/2		1/2		1/2		1/2	168,679	1/2	156,727	1/2	144,709	1/2	132,691	1/2	120,673	1/2	108,656
3/4		3/4		3/4		3/4		3/4	168,431	3/4	156,476	3/4	144,458	3/4	132,441	3/4	120,423	3/4	108,405
11		11		11		11		11	168,183	11	156,226	11	144,208	11	132,190	11	120,173	11	108,155
1/4		1/4		1/4		1/4		1/4	167,935	1/4	155,975	1/4	143,958	1/4	131,940	1/4	119,922	1/4	107,904
1/2		1/2		1/2		1/2		1/2	167,687	1/2	155,725	1/2	143,707	1/2	131,690	1/2	119,672	1/2	107,654
3/4		3/4		3/4		3/4		3/4	167,439	3/4	155,475	3/4	143,457	3/4	131,439	3/4	119,421	3/4	107,404

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 30'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "DBL 105"

2 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	107,153	0	95,136	0	83,113	0	71,090	0	59,066	0	47,043	0	35,019	0	22,995	0	11,297	0	128
1/4	106,903	1/4	94,885	1/4	82,863	1/4	70,839	1/4	58,816	1/4	46,792	1/4	34,769	1/4	22,745	1/4	11,046	1/4	78
1/2	106,653	1/2	94,635	1/2	82,612	1/2	70,589	1/2	58,565	1/2	46,542	1/2	34,518	1/2	22,494	1/2	10,796	1/2	27
3/4	106,402	3/4	94,384	3/4	82,362	3/4	70,338	3/4	58,315	3/4	46,291	3/4	34,268	3/4	22,244	3/4	10,546	3/4	
1	106,152	1	94,134	1	82,111	1	70,088	1	58,064	1	46,041	1	34,017	1	21,993	1	10,295	1	
1/4	105,901	1/4	93,884	1/4	81,861	1/4	69,837	1/4	57,814	1/4	45,790	1/4	33,767	1/4	21,743	1/4	10,045	1/4	
1/2	105,651	1/2	93,633	1/2	81,610	1/2	69,587	1/2	57,563	1/2	45,540	1/2	33,516	1/2	21,492	1/2	9,795	1/2	
3/4	105,401	3/4	93,383	3/4	81,360	3/4	69,336	3/4	57,313	3/4	45,289	3/4	33,266	3/4	21,250	3/4	9,544	3/4	
2	105,150	2	93,133	2	81,109	2	69,086	2	57,062	2	45,039	2	33,015	2	21,008	2	9,294	2	
1/4	104,900	1/4	92,882	1/4	80,859	1/4	68,835	1/4	56,812	1/4	44,788	1/4	32,765	1/4	20,766	1/4	9,044	1/4	
1/2	104,650	1/2	92,632	1/2	80,608	1/2	68,585	1/2	56,561	1/2	44,538	1/2	32,514	1/2	20,523	1/2	8,793	1/2	
3/4	104,399	3/4	92,381	3/4	80,358	3/4	68,334	3/4	56,311	3/4	44,287	3/4	32,264	3/4	20,281	3/4	8,543	3/4	
3	104,149	3	92,131	3	80,107	3	68,084	3	56,060	3	44,037	3	32,013	3	20,039	3	8,293	3	
1/4	103,898	1/4	91,880	1/4	79,857	1/4	67,833	1/4	55,810	1/4	43,786	1/4	31,763	1/4	19,796	1/4	8,042	1/4	
1/2	103,648	1/2	91,630	1/2	79,606	1/2	67,583	1/2	55,559	1/2	43,536	1/2	31,512	1/2	19,554	1/2	7,792	1/2	
3/4	103,398	3/4	91,379	3/4	79,356	3/4	67,332	3/4	55,309	3/4	43,285	3/4	31,262	3/4	19,312	3/4	7,542	3/4	
4	103,147	4	91,129	4	79,105	4	67,082	4	55,058	4	43,035	4	31,011	4	19,070	4	7,291	4	
1/4	102,897	1/4	90,878	1/4	78,855	1/4	66,831	1/4	54,808	1/4	42,784	1/4	30,761	1/4	18,827	1/4	7,041	1/4	
1/2	102,647	1/2	90,628	1/2	78,604	1/2	66,581	1/2	54,557	1/2	42,534	1/2	30,510	1/2	18,585	1/2	6,791	1/2	
3/4	102,396	3/4	90,377	3/4	78,354	3/4	66,330	3/4	54,307	3/4	42,283	3/4	30,260	3/4	18,343	3/4	6,540	3/4	
5	102,146	5	90,127	5	78,103	5	66,080	5	54,056	5	42,033	5	30,009	5	18,100	5	6,290	5	
1/4	101,896	1/4	89,876	1/4	77,853	1/4	65,829	1/4	53,806	1/4	41,782	1/4	29,759	1/4	17,858	1/4	6,039	1/4	
1/2	101,645	1/2	89,626	1/2	77,602	1/2	65,579	1/2	53,555	1/2	41,532	1/2	29,508	1/2	17,616	1/2	5,789	1/2	
3/4	101,395	3/4	89,375	3/4	77,352	3/4	65,328	3/4	53,305	3/4	41,281	3/4	29,258	3/4	17,374	3/4	5,538	3/4	
6	101,144	6	89,125	6	77,101	6	65,078	6	53,054	6	41,031	6	29,007	6	17,131	6	5,288	6	
1/4	100,894	1/4	88,874	1/4	76,851	1/4	64,827	1/4	52,804	1/4	40,780	1/4	28,757	1/4	16,889	1/4	5,037	1/4	
1/2	100,644	1/2	88,624	1/2	76,600	1/2	64,577	1/2	52,553	1/2	40,530	1/2	28,506	1/2	16,647	1/2	4,787	1/2	
3/4	100,393	3/4	88,374	3/4	76,350	3/4	64,326	3/4	52,303	3/4	40,279	3/4	28,256	3/4	16,404	3/4	4,536	3/4	
7	100,143	7	88,123	7	76,099	7	64,076	7	52,052	7	40,029	7	28,005	7	16,162	7	4,286	7	
1/4	99,893	1/4	87,873	1/4	75,849	1/4	63,825	1/4	51,802	1/4	39,778	1/4	27,755	1/4	15,920	1/4	4,035	1/4	
1/2	99,642	1/2	87,622	1/2	75,598	1/2	63,575	1/2	51,551	1/2	39,528	1/2	27,504	1/2	15,678	1/2	3,785	1/2	
3/4	99,392	3/4	87,372	3/4	75,348	3/4	63,324	3/4	51,301	3/4	39,277	3/4	27,254	3/4	15,435	3/4	3,534	3/4	
8	99,141	8	87,121	8	75,098	8	63,074	8	51,050	8	39,027	8	27,003	8	15,193	8	3,284	8	
1/4	98,891	1/4	86,871	1/4	74,847	1/4	62,823	1/4	50,800	1/4	38,776	1/4	26,753	1/4	14,951	1/4	3,033	1/4	
1/2	98,641	1/2	86,620	1/2	74,597	1/2	62,573	1/2	50,549	1/2	38,526	1/2	26,502	1/2	14,708	1/2	2,783	1/2	
3/4	98,390	3/4	86,370	3/4	74,346	3/4	62,322	3/4	50,299	3/4	38,275	3/4	26,252	3/4	14,466	3/4	2,532	3/4	
9	98,140	9	86,119	9	74,096	9	62,072	9	50,048	9	38,025	9	26,001	9	14,224	9	2,282	9	
1/4	97,890	1/4	85,869	1/4	73,845	1/4	61,821	1/4	49,798	1/4	37,774	1/4	25,751	1/4	13,982	1/4	2,031	1/4	
1/2	97,639	1/2	85,618	1/2	73,595	1/2	61,571	1/2	49,547	1/2	37,524	1/2	25,500	1/2	13,740	1/2	1,781	1/2	
3/4	97,389	3/4	85,368	3/4	73,344	3/4	61,321	3/4	49,297	3/4	37,273	3/4	25,250	3/4	13,497	3/4	1,543	3/4	
10	97,139	10	85,117	10	73,094	10	61,070	10	49,046	10	37,023	10	24,999	10	13,254	10	1,305	10	
1/4	96,888	1/4	84,867	1/4	72,843	1/4	60,820	1/4	48,796	1/4	36,772	1/4	24,749	1/4	13,011	1/4	1,067	1/4	
1/2	96,638	1/2	84,616	1/2	72,593	1/2	60,569	1/2	48,545	1/2	36,522	1/2	24,498	1/2	12,769	1/2	829	1/2	
3/4	96,387	3/4	84,366	3/4	72,342	3/4	60,319	3/4	48,295	3/4	36,271	3/4	24,248	3/4	12,526	3/4	679	3/4	
11	96,137	11	84,115	11	72,092	11	60,068	11	48,045	11	36,021	11	23,997	11	12,283	11	529	11	
1/4	95,887	1/4	83,865	1/4	71,841	1/4	59,818	1/4	47,794	1/4	35,770	1/4	23,747	1/4	12,040	1/4	378	1/4	
1/2	95,636	1/2	83,614	1/2	71,591	1/2	59,567	1/2	47,544	1/2	35,520	1/2	23,496	1/2	11,797	1/2	228	1/2	
3/4	95,386	3/4	83,364	3/4	71,340	3/4	59,317	3/4	47,293	3/4	35,269	3/4	23,246	3/4	11,547	3/4	178	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2014 SW
CALCULATED: 07/24/2014 CL
PRINTED: 07/24/2014 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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

BARGE "DBL 105"

3 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0		0		0	147,751	0	137,213	0	126,627	0	116,042	0	105,456
1/4		1/4		1/4		1/4		1/4		1/4	147,533	1/4	136,992	1/4	126,407	1/4	115,821	1/4	105,236
1/2		1/2		1/2		1/2		1/2		1/2	147,314	1/2	136,772	1/2	126,186	1/2	115,601	1/2	105,015
3/4		3/4		3/4		3/4		3/4		3/4	147,096	3/4	136,551	3/4	125,966	3/4	115,380	3/4	104,795
1		1		1		1		1		1	146,877	1	136,331	1	125,745	1	115,160	1	104,574
1/4		1/4		1/4		1/4		1/4		1/4	146,659	1/4	136,110	1/4	125,525	1/4	114,939	1/4	104,354
1/2		1/2		1/2		1/2		1/2	155,790	1/2	146,440	1/2	135,889	1/2	125,304	1/2	114,719	1/2	104,133
3/4		3/4		3/4		3/4		3/4	155,779	3/4	146,222	3/4	135,669	3/4	125,084	3/4	114,498	3/4	103,913
2		2		2		2		2	155,713	2	146,003	2	135,448	2	124,863	2	114,278	2	103,692
1/4		1/4		1/4		1/4		1/4	155,647	1/4	145,785	1/4	135,228	1/4	124,642	1/4	114,057	1/4	103,472
1/2		1/2		1/2		1/2		1/2	155,580	1/2	145,566	1/2	135,007	1/2	124,422	1/2	113,837	1/2	103,251
3/4		3/4		3/4		3/4		3/4	155,514	3/4	145,348	3/4	134,787	3/4	124,201	3/4	113,616	3/4	103,031
3		3		3		3		3	155,365	3	145,129	3	134,566	3	123,981	3	113,396	3	102,810
1/4		1/4		1/4		1/4		1/4	155,215	1/4	144,911	1/4	134,346	1/4	123,760	1/4	113,175	1/4	102,590
1/2		1/2		1/2		1/2		1/2	155,066	1/2	144,692	1/2	134,125	1/2	123,540	1/2	112,954	1/2	102,369
3/4		3/4		3/4		3/4		3/4	154,916	3/4	144,474	3/4	133,905	3/4	123,319	3/4	112,734	3/4	102,149
4		4		4		4		4	154,701	4	144,255	4	133,684	4	123,099	4	112,513	4	101,928
1/4		1/4		1/4		1/4		1/4	154,485	1/4	144,037	1/4	133,464	1/4	122,878	1/4	112,293	1/4	101,707
1/2		1/2		1/2		1/2		1/2	154,269	1/2	143,818	1/2	133,243	1/2	122,658	1/2	112,072	1/2	101,487
3/4		3/4		3/4		3/4		3/4	154,054	3/4	143,600	3/4	133,023	3/4	122,437	3/4	111,852	3/4	101,266
5		5		5		5		5	153,838	5	143,381	5	132,802	5	122,217	5	111,631	5	101,046
1/4		1/4		1/4		1/4		1/4	153,622	1/4	143,163	1/4	132,582	1/4	121,996	1/4	111,411	1/4	100,825
1/2		1/2		1/2		1/2		1/2	153,407	1/2	142,944	1/2	132,361	1/2	121,776	1/2	111,190	1/2	100,605
3/4		3/4		3/4		3/4		3/4	153,191	3/4	142,726	3/4	132,140	3/4	121,555	3/4	110,970	3/4	100,384
6		6		6		6		6	152,975	6	142,505	6	131,920	6	121,335	6	110,749	6	100,164
1/4		1/4		1/4		1/4		1/4	152,760	1/4	142,285	1/4	131,699	1/4	121,114	1/4	110,529	1/4	99,943
1/2		1/2		1/2		1/2		1/2	152,544	1/2	142,064	1/2	131,479	1/2	120,893	1/2	110,308	1/2	99,723
3/4		3/4		3/4		3/4		3/4	152,328	3/4	141,844	3/4	131,258	3/4	120,673	3/4	110,088	3/4	99,502
7		7		7		7		7	152,112	7	141,623	7	131,038	7	120,452	7	109,867	7	99,282
1/4		1/4		1/4		1/4		1/4	151,897	1/4	141,403	1/4	130,817	1/4	120,232	1/4	109,647	1/4	99,061
1/2		1/2		1/2		1/2		1/2	151,681	1/2	141,182	1/2	130,597	1/2	120,011	1/2	109,426	1/2	98,841
3/4		3/4		3/4		3/4		3/4	151,465	3/4	140,962	3/4	130,376	3/4	119,791	3/4	109,205	3/4	98,620
8		8		8		8		8	151,247	8	140,741	8	130,156	8	119,570	8	108,985	8	98,400
1/4		1/4		1/4		1/4		1/4	151,028	1/4	140,521	1/4	129,935	1/4	119,350	1/4	108,764	1/4	98,179
1/2		1/2		1/2		1/2		1/2	150,810	1/2	140,300	1/2	129,715	1/2	119,129	1/2	108,544	1/2	97,958
3/4		3/4		3/4		3/4		3/4	150,592	3/4	140,080	3/4	129,494	3/4	118,909	3/4	108,323	3/4	97,738
9		9		9		9		9	150,373	9	139,859	9	129,274	9	118,688	9	108,103	9	97,517
1/4		1/4		1/4		1/4		1/4	150,155	1/4	139,638	1/4	129,053	1/4	118,468	1/4	107,882	1/4	97,297
1/2		1/2		1/2		1/2		1/2	149,936	1/2	139,418	1/2	128,833	1/2	118,247	1/2	107,662	1/2	97,076
3/4		3/4		3/4		3/4		3/4	149,718	3/4	139,197	3/4	128,612	3/4	118,027	3/4	107,441	3/4	96,856
10		10		10		10		10	149,499	10	138,977	10	128,391	10	117,806	10	107,221	10	96,635
1/4		1/4		1/4		1/4		1/4	149,281	1/4	138,756	1/4	128,171	1/4	117,586	1/4	107,000	1/4	96,415
1/2		1/2		1/2		1/2		1/2	149,062	1/2	138,536	1/2	127,950	1/2	117,365	1/2	106,780	1/2	96,194
3/4		3/4		3/4		3/4		3/4	148,844	3/4	138,315	3/4	127,730	3/4	117,144	3/4	106,559	3/4	95,974
11		11		11		11		11	148,625	11	138,095	11	127,509	11	116,924	11	106,339	11	95,753
1/4		1/4		1/4		1/4		1/4	148,407	1/4	137,874	1/4	127,289	1/4	116,703	1/4	106,118	1/4	95,533
1/2		1/2		1/2		1/2		1/2	148,188	1/2	137,654	1/2	127,068	1/2	116,483	1/2	105,898	1/2	95,312
3/4		3/4		3/4		3/4		3/4	147,970	3/4	137,433	3/4	126,848	3/4	116,262	3/4	105,677	3/4	95,092

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 1'-00" OFF CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "DBL 105"

3 CENTER
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT 19'-0 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	94,871	0	84,286	0	73,696	0	63,106	0	52,515	0	41,925	0	31,334	0	20,744	0	10,176	0	160
1/4	94,651	1/4	84,065	1/4	73,476	1/4	62,885	1/4	52,295	1/4	41,704	1/4	31,114	1/4	20,523	1/4	9,956	1/4	116
1/2	94,430	1/2	83,845	1/2	73,255	1/2	62,665	1/2	52,074	1/2	41,484	1/2	30,893	1/2	20,303	1/2	9,735	1/2	72
3/4	94,209	3/4	83,624	3/4	73,034	3/4	62,444	3/4	51,854	3/4	41,263	3/4	30,673	3/4	20,082	3/4	9,514	3/4	27
1	93,989	1	83,404	1	72,814	1	62,223	1	51,633	1	41,042	1	30,452	1	19,862	1	9,294	1	
1/4	93,768	1/4	83,183	1/4	72,593	1/4	62,003	1/4	51,412	1/4	40,822	1/4	30,231	1/4	19,642	1/4	9,073	1/4	
1/2	93,548	1/2	82,963	1/2	72,373	1/2	61,782	1/2	51,192	1/2	40,601	1/2	30,011	1/2	19,421	1/2	8,853	1/2	
3/4	93,327	3/4	82,742	3/4	72,152	3/4	61,561	3/4	50,971	3/4	40,381	3/4	29,790	3/4	19,201	3/4	8,632	3/4	
2	93,107	2	82,521	2	71,931	2	61,341	2	50,750	2	40,160	2	29,569	2	18,981	2	8,411	2	
1/4	92,886	1/4	82,301	1/4	71,711	1/4	61,120	1/4	50,530	1/4	39,939	1/4	29,349	1/4	18,761	1/4	8,191	1/4	
1/2	92,666	1/2	82,080	1/2	71,490	1/2	60,900	1/2	50,309	1/2	39,719	1/2	29,128	1/2	18,541	1/2	7,970	1/2	
3/4	92,445	3/4	81,860	3/4	71,269	3/4	60,679	3/4	50,088	3/4	39,498	3/4	28,907	3/4	18,321	3/4	7,749	3/4	
3	92,225	3	81,639	3	71,049	3	60,458	3	49,868	3	39,277	3	28,687	3	18,101	3	7,529	3	
1/4	92,004	1/4	81,419	1/4	70,828	1/4	60,238	1/4	49,647	1/4	39,057	1/4	28,466	1/4	17,881	1/4	7,308	1/4	
1/2	91,784	1/2	81,198	1/2	70,607	1/2	60,017	1/2	49,427	1/2	38,836	1/2	28,246	1/2	17,661	1/2	7,088	1/2	
3/4	91,563	3/4	80,977	3/4	70,387	3/4	59,796	3/4	49,206	3/4	38,615	3/4	28,025	3/4	17,441	3/4	6,867	3/4	
4	91,343	4	80,757	4	70,166	4	59,576	4	48,985	4	38,395	4	27,804	4	17,221	4	6,646	4	
1/4	91,122	1/4	80,536	1/4	69,946	1/4	59,355	1/4	48,765	1/4	38,174	1/4	27,584	1/4	17,001	1/4	6,426	1/4	
1/2	90,902	1/2	80,315	1/2	69,725	1/2	59,134	1/2	48,544	1/2	37,954	1/2	27,363	1/2	16,781	1/2	6,205	1/2	
3/4	90,681	3/4	80,095	3/4	69,504	3/4	58,914	3/4	48,323	3/4	37,733	3/4	27,142	3/4	16,561	3/4	5,984	3/4	
5	90,460	5	79,874	5	69,284	5	58,693	5	48,103	5	37,512	5	26,922	5	16,341	5	5,764	5	
1/4	90,240	1/4	79,654	1/4	69,063	1/4	58,473	1/4	47,882	1/4	37,292	1/4	26,701	1/4	16,121	1/4	5,543	1/4	
1/2	90,019	1/2	79,433	1/2	68,842	1/2	58,252	1/2	47,661	1/2	37,071	1/2	26,481	1/2	15,901	1/2	5,323	1/2	
3/4	89,799	3/4	79,212	3/4	68,622	3/4	58,031	3/4	47,441	3/4	36,850	3/4	26,260	3/4	15,681	3/4	5,102	3/4	
6	89,578	6	78,992	6	68,401	6	57,811	6	47,220	6	36,630	6	26,039	6	15,461	6	4,881	6	
1/4	89,358	1/4	78,771	1/4	68,181	1/4	57,590	1/4	47,000	1/4	36,409	1/4	25,819	1/4	15,241	1/4	4,661	1/4	
1/2	89,137	1/2	78,550	1/2	67,960	1/2	57,369	1/2	46,779	1/2	36,188	1/2	25,598	1/2	15,021	1/2	4,440	1/2	
3/4	88,917	3/4	78,330	3/4	67,739	3/4	57,149	3/4	46,558	3/4	35,968	3/4	25,377	3/4	14,801	3/4	4,219	3/4	
7	88,696	7	78,109	7	67,519	7	56,928	7	46,338	7	35,747	7	25,157	7	14,581	7	3,999	7	
1/4	88,476	1/4	77,888	1/4	67,298	1/4	56,707	1/4	46,117	1/4	35,527	1/4	24,936	1/4	14,361	1/4	3,778	1/4	
1/2	88,255	1/2	77,668	1/2	67,077	1/2	56,487	1/2	45,896	1/2	35,306	1/2	24,715	1/2	14,141	1/2	3,558	1/2	
3/4	88,035	3/4	77,447	3/4	66,857	3/4	56,266	3/4	45,676	3/4	35,085	3/4	24,495	3/4	13,921	3/4	3,337	3/4	
8	87,814	8	77,227	8	66,636	8	56,046	8	45,455	8	34,865	8	24,274	8	13,701	8	3,116	8	
1/4	87,594	1/4	77,006	1/4	66,415	1/4	55,825	1/4	45,234	1/4	34,644	1/4	24,054	1/4	13,481	1/4	2,896	1/4	
1/2	87,373	1/2	76,785	1/2	66,195	1/2	55,604	1/2	45,014	1/2	34,423	1/2	23,833	1/2	13,261	1/2	2,675	1/2	
3/4	87,153	3/4	76,565	3/4	65,974	3/4	55,384	3/4	44,793	3/4	34,203	3/4	23,612	3/4	13,041	3/4	2,454	3/4	
9	86,932	9	76,344	9	65,754	9	55,163	9	44,573	9	33,982	9	23,392	9	12,821	9	2,234	9	
1/4	86,712	1/4	76,123	1/4	65,533	1/4	54,942	1/4	44,352	1/4	33,761	1/4	23,171	1/4	12,600	1/4	2,013	1/4	
1/2	86,491	1/2	75,903	1/2	65,312	1/2	54,722	1/2	44,131	1/2	33,541	1/2	22,950	1/2	12,380	1/2	1,793	1/2	
3/4	86,270	3/4	75,682	3/4	65,092	3/4	54,501	3/4	43,911	3/4	33,320	3/4	22,730	3/4	12,160	3/4	1,572	3/4	
10	86,050	10	75,461	10	64,871	10	54,281	10	43,690	10	33,100	10	22,509	10	11,940	10	1,362	10	
1/4	85,829	1/4	75,241	1/4	64,650	1/4	54,060	1/4	43,469	1/4	32,879	1/4	22,288	1/4	11,720	1/4	1,153	1/4	
1/2	85,609	1/2	75,020	1/2	64,430	1/2	53,839	1/2	43,249	1/2	32,658	1/2	22,068	1/2	11,500	1/2	943	1/2	
3/4	85,388	3/4	74,800	3/4	64,209	3/4	53,619	3/4	43,028	3/4	32,438	3/4	21,847	3/4	11,279	3/4	734	3/4	
11	85,168	11	74,579	11	63,988	11	53,398	11	42,807	11	32,217	11	21,627	11	11,059	11	601	11	
1/4	84,947	1/4	74,358	1/4	63,768	1/4	53,177	1/4	42,587	1/4	31,996	1/4	21,406	1/4	10,838	1/4	469	1/4	
1/2	84,727	1/2	74,138	1/2	63,547	1/2	52,957	1/2	42,366	1/2	31,776	1/2	21,185	1/2	10,618	1/2	336	1/2	
3/4	84,506	3/4	73,917	3/4	63,327	3/4	52,736	3/4	42,146	3/4	31,555	3/4	20,965	3/4	10,397	3/4	204	3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/22/2014 SW
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CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

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