



# BARGE "KIRBY 11354"

## ULLAGE TRIM TABLE

FORMERLY "DBL 119"

	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	- 00-3/8	00-3/8	- 00-3/4	00-3/4	- 01-1/8	01-1/8	- 01-1/2	01-1/2	- 01-7/8	01-7/8	- 02-1/4	02-1/4
2 CENTER	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-1/8	01-1/8
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 3 CENTER IS - 00-1/4"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 170'-09"

December 14, 2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11354"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "DBL 119"

GAUGE HEIGHT 16'-02 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	144,160	0	133,929	0	123,698	0	113,467	0	103,248	0	93,072	0	82,875	0	72,672
1/4	1/4	151,905	1/4	143,947	1/4	133,716	1/4	123,485	1/4	113,254	1/4	103,036	1/4	92,860	1/4	82,662	1/4	72,460	
1/2	1/2	151,900	1/2	143,733	1/2	133,503	1/2	123,272	1/2	113,041	1/2	102,824	1/2	92,648	1/2	82,450	1/2	72,247	
3/4	3/4	151,871	3/4	143,520	3/4	133,290	3/4	123,059	3/4	112,828	3/4	102,612	3/4	92,436	3/4	82,237	3/4	72,035	
1	1	151,842	1	143,307	1	133,076	1	122,846	1	112,615	1	102,400	1	92,224	1	82,025	1	71,822	
1/4	1/4	151,813	1/4	143,094	1/4	132,863	1/4	122,632	1/4	112,402	1/4	102,188	1/4	92,012	1/4	81,812	1/4	71,610	
1/2	1/2	151,784	1/2	142,881	1/2	132,650	1/2	122,419	1/2	112,189	1/2	101,976	1/2	91,800	1/2	81,600	1/2	71,397	
3/4	3/4	151,713	3/4	142,668	3/4	132,437	3/4	122,206	3/4	111,975	3/4	101,764	3/4	91,588	3/4	81,387	3/4	71,185	
2	2	151,641	2	142,455	2	132,224	2	121,993	2	111,762	2	101,552	2	91,376	2	81,174	2	70,972	
1/4	1/4	151,569	1/4	142,241	1/4	132,011	1/4	121,780	1/4	111,549	1/4	101,340	1/4	91,164	1/4	80,962	1/4	70,760	
1/2	1/2	151,498	1/2	142,028	1/2	131,798	1/2	121,567	1/2	111,336	1/2	101,128	1/2	90,952	1/2	80,749	1/2	70,547	
3/4	3/4	151,383	3/4	141,815	3/4	131,584	3/4	121,354	3/4	111,123	3/4	100,916	3/4	90,739	3/4	80,537	3/4	70,337	
3	3	151,269	3	141,602	3	131,371	3	121,140	3	110,910	3	100,704	3	90,527	3	80,324	3	70,128	
1/4	1/4	151,155	1/4	141,389	1/4	131,158	1/4	120,927	1/4	110,697	1/4	100,492	1/4	90,314	1/4	80,112	1/4	69,918	
1/2	1/2	151,041	1/2	141,176	1/2	130,945	1/2	120,714	1/2	110,483	1/2	100,280	1/2	90,102	1/2	79,899	1/2	69,708	
3/4	3/4	150,884	3/4	140,963	3/4	130,732	3/4	120,501	3/4	110,270	3/4	100,068	3/4	89,889	3/4	79,687	3/4	69,499	
4	4	150,727	4	140,749	4	130,519	4	120,288	4	110,057	4	99,856	4	89,676	4	79,474	4	69,289	
1/4	1/4	150,570	1/4	140,536	1/4	130,306	1/4	120,075	1/4	109,844	1/4	99,644	1/4	89,464	1/4	79,262	1/4	69,080	
1/2	1/2	150,413	1/2	140,323	1/2	130,092	1/2	119,862	1/2	109,631	1/2	99,432	1/2	89,251	1/2	79,049	1/2	68,870	
3/4	3/4	150,216	3/4	140,110	3/4	129,879	3/4	119,648	3/4	109,418	3/4	99,220	3/4	89,039	3/4	78,836	3/4	68,660	
5	5	150,018	5	139,897	5	129,666	5	119,435	5	109,205	5	99,008	5	88,826	5	78,624	5	68,451	
1/4	1/4	149,821	1/4	139,684	1/4	129,453	1/4	119,222	1/4	108,991	1/4	98,796	1/4	88,614	1/4	78,411	1/4	68,241	
1/2	1/2	149,624	1/2	139,471	1/2	129,240	1/2	119,009	1/2	108,778	1/2	98,584	1/2	88,401	1/2	78,199	1/2	68,032	
3/4	3/4	149,415	3/4	139,257	3/4	129,027	3/4	118,796	3/4	108,565	3/4	98,372	3/4	88,189	3/4	77,986	3/4	67,822	
6	6	149,206	6	139,044	6	128,814	6	118,583	6	108,352	6	98,160	6	87,976	6	77,774	6	67,612	
1/4	1/4	148,997	1/4	138,831	1/4	128,600	1/4	118,370	1/4	108,139	1/4	97,948	1/4	87,764	1/4	77,561	1/4	67,403	
1/2	1/2	148,788	1/2	138,618	1/2	128,387	1/2	118,157	1/2	107,926	1/2	97,736	1/2	87,551	1/2	77,349	1/2	67,193	
3/4	3/4	148,578	3/4	138,405	3/4	128,174	3/4	117,943	3/4	107,713	3/4	97,524	3/4	87,338	3/4	77,136	3/4	66,983	
7	7	148,368	7	138,192	7	127,961	7	117,730	7	107,499	7	97,312	7	87,126	7	76,923	7	66,774	
1/4	1/4	148,159	1/4	137,979	1/4	127,748	1/4	117,517	1/4	107,286	1/4	97,100	1/4	86,913	1/4	76,711	1/4	66,564	
1/2	1/2	147,949	1/2	137,766	1/2	127,535	1/2	117,304	1/2	107,073	1/2	96,888	1/2	86,701	1/2	76,498	1/2	66,355	
3/4	3/4	147,739	3/4	137,552	3/4	127,322	3/4	117,091	3/4	106,860	3/4	96,676	3/4	86,488	3/4	76,286	3/4	66,145	
8	8	147,528	8	137,339	8	127,108	8	116,878	8	106,647	8	96,464	8	86,276	8	76,073	8	65,935	
1/4	1/4	147,318	1/4	137,126	1/4	126,895	1/4	116,665	1/4	106,434	1/4	96,252	1/4	86,063	1/4	75,861	1/4	65,726	
1/2	1/2	147,108	1/2	136,913	1/2	126,682	1/2	116,451	1/2	106,221	1/2	96,040	1/2	85,851	1/2	75,648	1/2	65,516	
3/4	3/4	146,898	3/4	136,700	3/4	126,469	3/4	116,238	3/4	106,007	3/4	95,828	3/4	85,638	3/4	75,436	3/4	65,306	
9	9	146,688	9	136,487	9	126,256	9	116,025	9	105,794	9	95,616	9	85,425	9	75,223	9	65,097	
1/4	1/4	146,478	1/4	136,274	1/4	126,043	1/4	115,812	1/4	105,581	1/4	95,404	1/4	85,213	1/4	75,011	1/4	64,887	
1/2	1/2	146,267	1/2	136,060	1/2	125,830	1/2	115,599	1/2	105,368	1/2	95,192	1/2	85,000	1/2	74,798	1/2	64,678	
3/4	3/4	146,057	3/4	135,847	3/4	125,616	3/4	115,386	3/4	105,156	3/4	94,980	3/4	84,788	3/4	74,585	3/4	64,468	
10	10	145,847	10	135,634	10	125,403	10	115,173	10	104,944	10	94,768	10	84,575	10	74,373	10	64,258	
1/4	1/4	145,637	1/4	135,421	1/4	125,190	1/4	114,959	1/4	104,732	1/4	94,556	1/4	84,363	1/4	74,160	1/4	64,049	
1/2	1/2	145,427	1/2	135,208	1/2	124,977	1/2	114,746	1/2	104,520	1/2	94,344	1/2	84,150	1/2	73,948	1/2	63,839	
3/4	3/4	145,217	3/4	134,995	3/4	124,764	3/4	114,533	3/4	104,308	3/4	94,132	3/4	83,938	3/4	73,735	3/4	63,630	
11	11	145,006	11	134,782	11	124,551	11	114,320	11	104,096	11	93,920	11	83,725	11	73,523	11	63,420	
1/4	1/4	144,796	1/4	134,568	1/4	124,338	1/4	114,107	1/4	103,884	1/4	93,708	1/4	83,513	1/4	73,310	1/4	63,210	
1/2	1/2	144,586	1/2	134,355	1/2	124,124	1/2	113,894	1/2	103,672	1/2	93,496	1/2	83,300	1/2	73,098	1/2	63,001	
3/4	3/4	144,373	3/4	134,142	3/4	123,911	3/4	113,681	3/4	103,460	3/4	93,284	3/4	83,087	3/4	72,885	3/4	62,791	

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 2" DIAMETER "HERMETIC" CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 21'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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# BARGE "KIRBY 11354"

## 1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "DBL 119"

GAUGE HEIGHT 16'-02 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	62,581	0	52,394	0	42,195	0	31,995	0	21,859	0	12,047	0	1,918	0		0		0	
1/4	62,372	1/4	52,182	1/4	41,982	1/4	31,783	1/4	21,658	1/4	11,833	1/4	1,722	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,162	1/2	51,969	1/2	41,770	1/2	31,570	1/2	21,456	1/2	11,620	1/2	1,526	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,950	3/4	51,757	3/4	41,557	3/4	31,358	3/4	21,256	3/4	11,407	3/4	1,336	3/4	3/4	3/4	3/4	3/4	3/4
1	61,738	1	51,544	1	41,345	1	31,145	1	21,055	1	11,194	1	1,146	1	1	1	1	1	1
1/4	61,525	1/4	51,332	1/4	41,132	1/4	30,933	1/4	20,854	1/4	10,981	1/4	957	1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,313	1/2	51,119	1/2	40,920	1/2	30,720	1/2	20,654	1/2	10,768	1/2	767	1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,101	3/4	50,907	3/4	40,707	3/4	30,508	3/4	20,453	3/4	10,555	3/4	585	3/4	3/4	3/4	3/4	3/4	3/4
2	60,888	2	50,694	2	40,495	2	30,295	2	20,252	2	10,341	2	402	2	2	2	2	2	2
1/4	60,676	1/4	50,482	1/4	40,282	1/4	30,083	1/4	20,052	1/4	10,128	1/4	220	1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,464	1/2	50,269	1/2	40,070	1/2	29,870	1/2	19,851	1/2	9,915	1/2	38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,252	3/4	50,057	3/4	39,857	3/4	29,658	3/4	19,650	3/4	9,702	3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	60,039	3	49,844	3	39,645	3	29,445	3	19,450	3	9,489	3		3	3	3	3	3	3
1/4	59,827	1/4	49,632	1/4	39,432	1/4	29,233	1/4	19,249	1/4	9,276	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	59,615	1/2	49,419	1/2	39,220	1/2	29,020	1/2	19,048	1/2	9,063	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	59,403	3/4	49,207	3/4	39,007	3/4	28,808	3/4	18,848	3/4	8,850	3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	59,191	4	48,994	4	38,795	4	28,595	4	18,647	4	8,636	4	4	4	4	4	4	4	4
1/4	58,978	1/4	48,782	1/4	38,582	1/4	28,383	1/4	18,447	1/4	8,423	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	58,766	1/2	48,569	1/2	38,370	1/2	28,170	1/2	18,246	1/2	8,210	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	58,554	3/4	48,357	3/4	38,157	3/4	27,958	3/4	18,045	3/4	7,997	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	58,342	5	48,144	5	37,945	5	27,745	5	17,845	5	7,784	5	5	5	5	5	5	5	5
1/4	58,129	1/4	47,932	1/4	37,732	1/4	27,533	1/4	17,644	1/4	7,571	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,917	1/2	47,719	1/2	37,520	1/2	27,320	1/2	17,443	1/2	7,358	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	57,705	3/4	47,507	3/4	37,307	3/4	27,108	3/4	17,243	3/4	7,144	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	57,493	6	47,294	6	37,095	6	26,895	6	17,042	6	6,931	6	6	6	6	6	6	6	6
1/4	57,281	1/4	47,082	1/4	36,882	1/4	26,683	1/4	16,841	1/4	6,718	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	57,068	1/2	46,869	1/2	36,670	1/2	26,470	1/2	16,641	1/2	6,505	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,856	3/4	46,657	3/4	36,457	3/4	26,258	3/4	16,440	3/4	6,292	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	56,644	7	46,444	7	36,245	7	26,045	7	16,239	7	6,079	7	7	7	7	7	7	7	7
1/4	56,431	1/4	46,232	1/4	36,032	1/4	25,833	1/4	16,039	1/4	5,866	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	56,219	1/2	46,019	1/2	35,820	1/2	25,620	1/2	15,838	1/2	5,653	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	56,006	3/4	45,807	3/4	35,607	3/4	25,408	3/4	15,636	3/4	5,439	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	55,794	8	45,594	8	35,395	8	25,195	8	15,434	8	5,226	8	8	8	8	8	8	8	8
1/4	55,581	1/4	45,382	1/4	35,182	1/4	24,983	1/4	15,232	1/4	5,013	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	55,369	1/2	45,169	1/2	34,970	1/2	24,770	1/2	15,030	1/2	4,800	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	55,156	3/4	44,957	3/4	34,757	3/4	24,558	3/4	14,817	3/4	4,588	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	54,944	9	44,744	9	34,545	9	24,345	9	14,604	9	4,375	9	9	9	9	9	9	9	9
1/4	54,731	1/4	44,532	1/4	34,332	1/4	24,133	1/4	14,391	1/4	4,163	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	54,519	1/2	44,319	1/2	34,120	1/2	23,921	1/2	14,178	1/2	3,950	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	54,306	3/4	44,107	3/4	33,908	3/4	23,708	3/4	13,965	3/4	3,742	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	54,094	10	43,895	10	33,695	10	23,496	10	13,752	10	3,535	10	10	10	10	10	10	10	10
1/4	53,881	1/4	43,682	1/4	33,483	1/4	23,283	1/4	13,538	1/4	3,327	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	53,669	1/2	43,470	1/2	33,270	1/2	23,071	1/2	13,325	1/2	3,119	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	53,457	3/4	43,257	3/4	33,058	3/4	22,868	3/4	13,112	3/4	2,917	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	53,244	11	43,045	11	32,845	11	22,666	11	12,899	11	2,715	11	11	11	11	11	11	11	11
1/4	53,032	1/4	42,832	1/4	32,633	1/4	22,464	1/4	12,686	1/4	2,513	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	52,819	1/2	42,620	1/2	32,420	1/2	22,262	1/2	12,473	1/2	2,311	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	52,607	3/4	42,407	3/4	32,208	3/4	22,061	3/4	12,260	3/4	2,114	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2013 CL - SW  
DECK MEASUREMENTS: 10/17/2013 SW  
RECALCULATED: 10/20/2013 CL  
NAME CHANGE: 12/14/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2020

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



# BARGE "KIRBY 11354"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "DBL 119"

GAUGE HEIGHT 16'-02 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	164,843	0	153,217	0	141,591	0	129,965	0	118,339	0	106,712	0	95,086	0	83,460		
1/4	1/4	173,622	164,601	152,975	141,349	129,723	118,096	106,470	94,844	83,218									
1/2	1/2	173,616	164,359	152,733	141,107	129,480	117,854	106,228	94,602	82,976									
3/4	3/4	173,584	164,117	152,491	140,864	129,238	117,612	105,986	94,360	82,733									
1	1	173,552	163,875	152,248	140,622	128,996	117,370	105,743	94,117	82,491									
1/4	1/4	173,519	163,632	152,006	140,380	128,754	117,127	105,501	93,875	82,249									
1/2	1/2	173,487	163,390	151,764	140,138	128,511	116,885	105,259	93,633	82,007									
3/4	3/4	173,406	163,148	151,522	139,895	128,269	116,643	105,017	93,391	81,764									
2	2	173,325	162,906	151,279	139,653	128,027	116,401	104,775	93,148	81,522									
1/4	1/4	173,244	162,663	151,037	139,411	127,785	116,159	104,532	92,906	81,280									
1/2	1/2	173,164	162,421	150,795	139,169	127,543	115,916	104,290	92,664	81,038									
3/4	3/4	173,034	162,179	150,553	138,927	127,300	115,674	104,048	92,422	80,796									
3	3	172,905	161,937	150,311	138,684	127,058	115,432	103,806	92,180	80,553									
1/4	1/4	172,776	161,695	150,068	138,442	126,816	115,190	103,564	91,937	80,311									
1/2	1/2	172,646	161,452	149,826	138,200	126,574	114,948	103,321	91,695	80,069									
3/4	3/4	172,469	161,210	149,584	137,958	126,332	114,705	103,079	91,453	79,827									
4	4	172,291	160,968	149,342	137,716	126,089	114,463	102,837	91,211	79,585									
1/4	1/4	172,113	160,726	149,100	137,473	125,847	114,221	102,595	90,969	79,342									
1/2	1/2	171,935	160,484	148,857	137,231	125,605	113,979	102,353	90,726	79,100									
3/4	3/4	171,711	160,241	148,615	136,989	125,363	113,737	102,110	90,484	78,858									
5	5	171,488	159,999	148,373	136,747	125,121	113,494	101,868	90,242	78,616									
1/4	1/4	171,264	159,757	148,131	136,505	124,878	113,252	101,626	90,000	78,373									
1/2	1/2	171,040	159,515	147,889	136,262	124,636	113,010	101,384	89,757	78,131									
3/4	3/4	170,803	159,273	147,646	136,020	124,394	112,768	101,141	89,515	77,889									
6	6	170,566	159,030	147,404	135,778	124,152	112,525	100,899	89,273	77,647									
1/4	1/4	170,330	158,788	147,162	135,536	123,909	112,283	100,657	89,031	77,405									
1/2	1/2	170,093	158,546	146,920	135,293	123,667	112,041	100,415	88,789	77,162									
3/4	3/4	169,855	158,304	146,677	135,051	123,425	111,799	100,173	88,546	76,920									
7	7	169,617	158,061	146,435	134,809	123,183	111,557	99,930	88,304	76,678									
1/4	1/4	169,379	157,819	146,193	134,567	122,941	111,314	99,688	88,062	76,436									
1/2	1/2	169,141	157,577	145,951	134,325	122,698	111,072	99,446	87,820	76,194									
3/4	3/4	168,903	157,335	145,709	134,082	122,456	110,830	99,204	87,578	75,951									
8	8	168,664	157,093	145,466	133,840	122,214	110,588	98,962	87,335	75,709									
1/4	1/4	168,426	156,850	145,224	133,598	121,972	110,346	98,719	87,093	75,467									
1/2	1/2	168,188	156,608	144,982	133,356	121,730	110,103	98,477	86,851	75,225									
3/4	3/4	167,949	156,366	144,740	133,114	121,487	109,861	98,235	86,609	74,982									
9	9	167,711	156,124	144,498	132,871	121,245	109,619	97,993	86,366	74,740									
1/4	1/4	167,473	155,882	144,255	132,629	121,003	109,377	97,750	86,124	74,498									
1/2	1/2	167,234	155,639	144,013	132,387	120,761	109,134	97,508	85,882	74,256									
3/4	3/4	166,996	155,397	143,771	132,145	120,518	108,892	97,266	85,640	74,014									
10	10	166,758	155,155	143,529	131,902	120,276	108,650	97,024	85,398	73,771									
1/4	1/4	166,519	154,913	143,286	131,660	120,034	108,408	96,782	85,155	73,529									
1/2	1/2	166,281	154,670	143,044	131,418	119,792	108,166	96,539	84,913	73,287									
3/4	3/4	166,043	154,428	142,802	131,176	119,550	107,923	96,297	84,671	73,045									
11	11	165,804	154,186	142,560	130,934	119,307	107,681	96,055	84,429	72,803									
1/4	1/4	165,566	153,944	142,318	130,691	119,065	107,439	95,813	84,187	72,560									
1/2	1/2	165,328	153,702	142,075	130,449	118,823	107,197	95,571	83,944	72,318									
3/4	3/4	165,086	153,459	141,833	130,207	118,581	106,955	95,328	83,702	72,076									

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 2" DIAMETER "HERMETIC" CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11354"

## 2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "DBL 119"

GAUGE HEIGHT 16'-02 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	71,834	0	60,208	0	48,581	0	36,955	0	25,378	0	14,039	0	2,421	0		0		0	
1/4	71,592	1/4	59,965	1/4	48,339	1/4	36,713	1/4	25,144	1/4	13,797	1/4	2,180	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,349	1/2	59,723	1/2	48,097	1/2	36,471	1/2	24,910	1/2	13,555	1/2	1,940	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,107	3/4	59,481	3/4	47,855	3/4	36,228	3/4	24,676	3/4	13,312	3/4	1,701	3/4	3/4	3/4	3/4	3/4	3/4
1	70,865	1	59,239	1	47,612	1	35,986	1	24,442	1	13,070	1	1,462	1	1	1	1	1	1
1/4	70,623	1/4	58,996	1/4	47,370	1/4	35,744	1/4	24,209	1/4	12,828	1/4	1,222	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,380	1/2	58,754	1/2	47,128	1/2	35,502	1/2	23,975	1/2	12,586	1/2	983	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,138	3/4	58,512	3/4	46,886	3/4	35,260	3/4	23,741	3/4	12,344	3/4	747	3/4	3/4	3/4	3/4	3/4	3/4
2	69,896	2	58,270	2	46,644	2	35,017	2	23,507	2	12,101	2	511	2	2	2	2	2	2
1/4	69,654	1/4	58,028	1/4	46,401	1/4	34,775	1/4	23,274	1/4	11,859	1/4	274	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,412	1/2	57,785	1/2	46,159	1/2	34,533	1/2	23,040	1/2	11,617	1/2	38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,169	3/4	57,543	3/4	45,917	3/4	34,291	3/4	22,806	3/4	11,375	3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	68,927	3	57,301	3	45,675	3	34,049	3	22,573	3	11,133	3		3	3	3	3	3	3
1/4	68,685	1/4	57,059	1/4	45,433	1/4	33,806	1/4	22,339	1/4	10,890	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,443	1/2	56,817	1/2	45,190	1/2	33,564	1/2	22,105	1/2	10,648	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,201	3/4	56,574	3/4	44,948	3/4	33,322	3/4	21,871	3/4	10,406	3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	67,958	4	56,332	4	44,706	4	33,080	4	21,638	4	10,164	4		4	4	4	4	4	4
1/4	67,716	1/4	56,090	1/4	44,464	1/4	32,837	1/4	21,404	1/4	9,921	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,474	1/2	55,848	1/2	44,221	1/2	32,595	1/2	21,170	1/2	9,679	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,232	3/4	55,605	3/4	43,979	3/4	32,353	3/4	20,937	3/4	9,437	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	66,989	5	55,363	5	43,737	5	32,111	5	20,703	5	9,195	5		5	5	5	5	5	5
1/4	66,747	1/4	55,121	1/4	43,495	1/4	31,869	1/4	20,469	1/4	8,953	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,505	1/2	54,879	1/2	43,253	1/2	31,626	1/2	20,235	1/2	8,710	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,263	3/4	54,637	3/4	43,010	3/4	31,384	3/4	20,002	3/4	8,468	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	66,021	6	54,394	6	42,768	6	31,142	6	19,768	6	8,226	6		6	6	6	6	6	6
1/4	65,778	1/4	54,152	1/4	42,526	1/4	30,900	1/4	19,534	1/4	7,984	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,536	1/2	53,910	1/2	42,284	1/2	30,658	1/2	19,300	1/2	7,742	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,294	3/4	53,668	3/4	42,042	3/4	30,415	3/4	19,067	3/4	7,499	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	65,052	7	53,426	7	41,799	7	30,173	7	18,833	7	7,257	7		7	7	7	7	7	7
1/4	64,810	1/4	53,183	1/4	41,557	1/4	29,931	1/4	18,599	1/4	7,015	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,567	1/2	52,941	1/2	41,315	1/2	29,689	1/2	18,366	1/2	6,773	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,325	3/4	52,699	3/4	41,073	3/4	29,446	3/4	18,132	3/4	6,531	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	64,083	8	52,457	8	40,830	8	29,204	8	17,898	8	6,288	8		8	8	8	8	8	8
1/4	63,841	1/4	52,214	1/4	40,588	1/4	28,962	1/4	17,664	1/4	6,046	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	63,598	1/2	51,972	1/2	40,346	1/2	28,720	1/2	17,430	1/2	5,804	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	63,356	3/4	51,730	3/4	40,104	3/4	28,478	3/4	17,188	3/4	5,562	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	63,114	9	51,488	9	39,862	9	28,235	9	16,945	9	5,320	9		9	9	9	9	9	9
1/4	62,872	1/4	51,246	1/4	39,619	1/4	27,993	1/4	16,703	1/4	5,077	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	62,630	1/2	51,003	1/2	39,377	1/2	27,751	1/2	16,461	1/2	4,835	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	62,387	3/4	50,761	3/4	39,135	3/4	27,509	3/4	16,219	3/4	4,593	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	62,145	10	50,519	10	38,893	10	27,267	10	15,977	10	4,351	10		10	10	10	10	10	10
1/4	61,903	1/4	50,277	1/4	38,651	1/4	27,024	1/4	15,734	1/4	4,109	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	61,661	1/2	50,035	1/2	38,408	1/2	26,782	1/2	15,492	1/2	3,867	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	61,419	3/4	49,792	3/4	38,166	3/4	26,548	3/4	15,250	3/4	3,626	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	61,176	11	49,550	11	37,924	11	26,314	11	15,008	11	3,384	11		11	11	11	11	11	11
1/4	60,934	1/4	49,308	1/4	37,682	1/4	26,080	1/4	14,766	1/4	3,143	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	60,692	1/2	49,066	1/2	37,440	1/2	25,846	1/2	14,523	1/2	2,902	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	60,450	3/4	48,824	3/4	37,197	3/4	25,612	3/4	14,281	3/4	2,661	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2013 CL - SW  
DECK MEASUREMENTS: 10/17/2013 SW  
RECALCULATED: 10/20/2013 CL  
NAME CHANGE: 12/14/2020 PMA

CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2020

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 11354"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "DBL 119"

GAUGE HEIGHT 16'-02 1/2"

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	IN	0
					148,011		137,589		127,167		116,745		106,323		95,901		85,479		75,057		
1/4	1/4	155,881	1/4	147,794	1/4	137,372	1/4	126,950	1/4	116,528	1/4	106,106	1/4	95,684	1/4	85,262	1/4	74,840			
1/2	1/2	155,875	1/2	147,577	1/2	137,155	1/2	126,733	1/2	116,311	1/2	105,889	1/2	95,467	1/2	85,045	1/2	74,623			
3/4	3/4	155,846	3/4	147,360	3/4	136,938	3/4	126,516	3/4	116,094	3/4	105,672	3/4	95,250	3/4	84,828	3/4	74,406			
1	1	155,817	1	147,143	1	136,721	1	126,299	1	115,877	1	105,454	1	95,032	1	84,610	1	74,188			
1/4	1/4	155,788	1/4	146,925	1/4	136,503	1/4	126,081	1/4	115,659	1/4	105,237	1/4	94,815	1/4	84,393	1/4	73,971			
1/2	1/2	155,759	1/2	146,708	1/2	136,286	1/2	125,864	1/2	115,442	1/2	105,020	1/2	94,598	1/2	84,176	1/2	73,754			
3/4	3/4	155,687	3/4	146,491	3/4	136,069	3/4	125,647	3/4	115,225	3/4	104,803	3/4	94,381	3/4	83,959	3/4	73,537			
2	2	155,614	2	146,274	2	135,852	2	125,430	2	115,008	2	104,586	2	94,164	2	83,742	2	73,320			
1/4	1/4	155,542	1/4	146,057	1/4	135,635	1/4	125,213	1/4	114,791	1/4	104,369	1/4	93,947	1/4	83,525	1/4	73,103			
1/2	1/2	155,469	1/2	145,840	1/2	135,418	1/2	124,996	1/2	114,574	1/2	104,152	1/2	93,730	1/2	83,308	1/2	72,886			
3/4	3/4	155,354	3/4	145,623	3/4	135,201	3/4	124,779	3/4	114,357	3/4	103,935	3/4	93,513	3/4	83,091	3/4	72,669			
3	3	155,238	3	145,406	3	134,984	3	124,562	3	114,140	3	103,717	3	93,295	3	82,873	3	72,451			
1/4	1/4	155,122	1/4	145,188	1/4	134,766	1/4	124,344	1/4	113,922	1/4	103,500	1/4	93,078	1/4	82,656	1/4	72,234			
1/2	1/2	155,006	1/2	144,971	1/2	134,549	1/2	124,127	1/2	113,705	1/2	103,283	1/2	92,861	1/2	82,439	1/2	72,017			
3/4	3/4	154,846	3/4	144,754	3/4	134,332	3/4	123,910	3/4	113,488	3/4	103,066	3/4	92,644	3/4	82,222	3/4	71,800			
4	4	154,687	4	144,537	4	134,115	4	123,693	4	113,271	4	102,849	4	92,427	4	82,005	4	71,583			
1/4	1/4	154,528	1/4	144,320	1/4	133,898	1/4	123,476	1/4	113,054	1/4	102,632	1/4	92,210	1/4	81,788	1/4	71,366			
1/2	1/2	154,368	1/2	144,103	1/2	133,681	1/2	123,259	1/2	112,837	1/2	102,415	1/2	91,993	1/2	81,571	1/2	71,149			
3/4	3/4	154,168	3/4	143,886	3/4	133,464	3/4	123,042	3/4	112,620	3/4	102,198	3/4	91,776	3/4	81,354	3/4	70,932			
5	5	153,967	5	143,669	5	133,247	5	122,825	5	112,402	5	101,980	5	91,558	5	81,136	5	70,714			
1/4	1/4	153,767	1/4	143,451	1/4	133,029	1/4	122,607	1/4	112,185	1/4	101,763	1/4	91,341	1/4	80,919	1/4	70,497			
1/2	1/2	153,566	1/2	143,234	1/2	132,812	1/2	122,390	1/2	111,968	1/2	101,546	1/2	91,124	1/2	80,702	1/2	70,280			
3/4	3/4	153,354	3/4	143,017	3/4	132,595	3/4	122,173	3/4	111,751	3/4	101,329	3/4	90,907	3/4	80,485	3/4	70,063			
6	6	153,141	6	142,800	6	132,378	6	121,956	6	111,534	6	101,112	6	90,690	6	80,268	6	69,846			
1/4	1/4	152,929	1/4	142,583	1/4	132,161	1/4	121,739	1/4	111,317	1/4	100,895	1/4	90,473	1/4	80,051	1/4	69,629			
1/2	1/2	152,717	1/2	142,366	1/2	131,944	1/2	121,522	1/2	111,100	1/2	100,678	1/2	90,256	1/2	79,834	1/2	69,412			
3/4	3/4	152,503	3/4	142,149	3/4	131,727	3/4	121,305	3/4	110,883	3/4	100,461	3/4	90,039	3/4	79,617	3/4	69,195			
7	7	152,290	7	141,932	7	131,510	7	121,088	7	110,665	7	100,243	7	89,821	7	79,399	7	68,977			
1/4	1/4	152,077	1/4	141,714	1/4	131,292	1/4	120,870	1/4	110,448	1/4	100,026	1/4	89,604	1/4	79,182	1/4	68,760			
1/2	1/2	151,864	1/2	141,497	1/2	131,075	1/2	120,653	1/2	110,231	1/2	99,809	1/2	89,387	1/2	78,965	1/2	68,543			
3/4	3/4	151,650	3/4	141,280	3/4	130,858	3/4	120,436	3/4	110,014	3/4	99,592	3/4	89,170	3/4	78,748	3/4	68,326			
8	8	151,436	8	141,063	8	130,641	8	120,219	8	109,797	8	99,375	8	88,953	8	78,531	8	68,109			
1/4	1/4	151,223	1/4	140,846	1/4	130,424	1/4	120,002	1/4	109,580	1/4	99,158	1/4	88,736	1/4	78,314	1/4	67,892			
1/2	1/2	151,009	1/2	140,629	1/2	130,207	1/2	119,785	1/2	109,363	1/2	98,941	1/2	88,519	1/2	78,097	1/2	67,675			
3/4	3/4	150,795	3/4	140,412	3/4	129,990	3/4	119,568	3/4	109,146	3/4	98,724	3/4	88,302	3/4	77,880	3/4	67,457			
9	9	150,582	9	140,195	9	129,773	9	119,351	9	108,928	9	98,506	9	88,084	9	77,662	9	67,240			
1/4	1/4	150,368	1/4	139,977	1/4	129,555	1/4	119,133	1/4	108,711	1/4	98,289	1/4	87,867	1/4	77,445	1/4	67,023			
1/2	1/2	150,154	1/2	139,760	1/2	129,338	1/2	118,916	1/2	108,494	1/2	98,072	1/2	87,650	1/2	77,228	1/2	66,806			
3/4	3/4	149,941	3/4	139,543	3/4	129,121	3/4	118,699	3/4	108,277	3/4	97,855	3/4	87,433	3/4	77,011	3/4	66,589			
10	10	149,727	10	139,326	10	128,904	10	118,482	10	108,060	10	97,638	10	87,216	10	76,794	10	66,372			
1/4	1/4	149,514	1/4	139,109	1/4	128,687	1/4	118,265	1/4	107,843	1/4	97,421	1/4	86,999	1/4	76,577	1/4	66,155			
1/2	1/2	149,300	1/2	138,892	1/2	128,470	1/2	118,048	1/2	107,626	1/2	97,204	1/2	86,782	1/2	76,360	1/2	65,938			
3/4	3/4	149,086	3/4	138,675	3/4	128,253	3/4	117,831	3/4	107,409	3/4	96,987	3/4	86,565	3/4	76,143	3/4	65,720			
11	11	148,873	11	138,458	11	128,036	11	117,614	11	107,191	11	96,769	11	86,347	11	75,925	11	65,503			
1/4	1/4	148,659	1/4	138,240	1/4	127,818	1/4	117,396	1/4	106,974	1/4	96,552	1/4	86,130	1/4	75,708	1/4	65,286			
1/2	1/2	148,445	1/2	138,023	1/2	127,601	1/2	117,179	1/2	106,757	1/2	96,335	1/2	85,913	1/2	75,491	1/2	65,069			
3/4	3/4	148,228	3/4	137,806	3/4	127,384	3/4	116,962	3/4	106,540	3/4	96,118	3/4	85,696	3/4	75,274	3/4	64,852			

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 2" DIAMETER "HERMETIC" CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 28'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 11354"

## 3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "DBL 119"

GAUGE HEIGHT 16'-02 1/2"

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	64,635	0	54,213	0	43,791	0	33,369	0	22,956	0	12,589	0	2,174	0		0		0	
1/4	64,418	1/4	53,996	1/4	43,574	1/4	33,152	1/4	22,740	1/4	12,372	1/4	1,958	1/4		1/4		1/4	
1/2	64,201	1/2	53,779	1/2	43,357	1/2	32,935	1/2	22,524	1/2	12,155	1/2	1,743	1/2		1/2		1/2	
3/4	63,983	3/4	53,561	3/4	43,139	3/4	32,717	3/4	22,308	3/4	11,937	3/4	1,528	3/4		3/4		3/4	
1	63,766	1	53,344	1	42,922	1	32,500	1	22,093	1	11,720	1	1,314	1		1		1	
1/4	63,549	1/4	53,127	1/4	42,705	1/4	32,283	1/4	21,877	1/4	11,503	1/4	1,100	1/4		1/4		1/4	
1/2	63,332	1/2	52,910	1/2	42,488	1/2	32,066	1/2	21,662	1/2	11,286	1/2	886	1/2		1/2		1/2	
3/4	63,115	3/4	52,693	3/4	42,271	3/4	31,849	3/4	21,447	3/4	11,069	3/4	674	3/4		3/4		3/4	
2	62,898	2	52,476	2	42,054	2	31,632	2	21,231	2	10,852	2	462	2		2		2	
1/4	62,681	1/4	52,259	1/4	41,837	1/4	31,415	1/4	21,016	1/4	10,635	1/4	250	1/4		1/4		1/4	
1/2	62,464	1/2	52,042	1/2	41,620	1/2	31,198	1/2	20,800	1/2	10,418	1/2	38	1/2		1/2		1/2	
3/4	62,246	3/4	51,824	3/4	41,402	3/4	30,980	3/4	20,585	3/4	10,200	3/4		3/4		3/4		3/4	
3	62,029	3	51,607	3	41,185	3	30,763	3	20,369	3	9,983	3		3		3		3	
1/4	61,812	1/4	51,390	1/4	40,968	1/4	30,546	1/4	20,154	1/4	9,766	1/4		1/4		1/4		1/4	
1/2	61,595	1/2	51,173	1/2	40,751	1/2	30,329	1/2	19,939	1/2	9,549	1/2		1/2		1/2		1/2	
3/4	61,378	3/4	50,956	3/4	40,534	3/4	30,112	3/4	19,723	3/4	9,332	3/4		3/4		3/4		3/4	
4	61,161	4	50,739	4	40,317	4	29,895	4	19,508	4	9,115	4		4		4		4	
1/4	60,944	1/4	50,522	1/4	40,100	1/4	29,678	1/4	19,292	1/4	8,898	1/4		1/4		1/4		1/4	
1/2	60,727	1/2	50,305	1/2	39,883	1/2	29,461	1/2	19,077	1/2	8,681	1/2		1/2		1/2		1/2	
3/4	60,509	3/4	50,087	3/4	39,665	3/4	29,243	3/4	18,862	3/4	8,464	3/4		3/4		3/4		3/4	
5	60,292	5	49,870	5	39,448	5	29,026	5	18,646	5	8,246	5		5		5		5	
1/4	60,075	1/4	49,653	1/4	39,231	1/4	28,809	1/4	18,431	1/4	8,029	1/4		1/4		1/4		1/4	
1/2	59,858	1/2	49,436	1/2	39,014	1/2	28,592	1/2	18,215	1/2	7,812	1/2		1/2		1/2		1/2	
3/4	59,641	3/4	49,219	3/4	38,797	3/4	28,375	3/4	18,000	3/4	7,595	3/4		3/4		3/4		3/4	
6	59,424	6	49,002	6	38,580	6	28,158	6	17,785	6	7,378	6		6		6		6	
1/4	59,207	1/4	48,785	1/4	38,363	1/4	27,941	1/4	17,569	1/4	7,161	1/4		1/4		1/4		1/4	
1/2	58,990	1/2	48,568	1/2	38,146	1/2	27,724	1/2	17,354	1/2	6,944	1/2		1/2		1/2		1/2	
3/4	58,772	3/4	48,350	3/4	37,928	3/4	27,506	3/4	17,138	3/4	6,727	3/4		3/4		3/4		3/4	
7	58,555	7	48,133	7	37,711	7	27,289	7	16,923	7	6,510	7		7		7		7	
1/4	58,338	1/4	47,916	1/4	37,494	1/4	27,072	1/4	16,708	1/4	6,292	1/4		1/4		1/4		1/4	
1/2	58,121	1/2	47,699	1/2	37,277	1/2	26,855	1/2	16,492	1/2	6,075	1/2		1/2		1/2		1/2	
3/4	57,904	3/4	47,482	3/4	37,060	3/4	26,638	3/4	16,276	3/4	5,858	3/4		3/4		3/4		3/4	
8	57,687	8	47,265	8	36,843	8	26,421	8	16,060	8	5,641	8		8		8		8	
1/4	57,470	1/4	47,048	1/4	36,626	1/4	26,204	1/4	15,844	1/4	5,424	1/4		1/4		1/4		1/4	
1/2	57,253	1/2	46,831	1/2	36,409	1/2	25,987	1/2	15,628	1/2	5,207	1/2		1/2		1/2		1/2	
3/4	57,035	3/4	46,613	3/4	36,191	3/4	25,769	3/4	15,411	3/4	4,990	3/4		3/4		3/4		3/4	
9	56,818	9	46,396	9	35,974	9	25,552	9	15,194	9	4,773	9		9		9		9	
1/4	56,601	1/4	46,179	1/4	35,757	1/4	25,335	1/4	14,977	1/4	4,555	1/4		1/4		1/4		1/4	
1/2	56,384	1/2	45,962	1/2	35,540	1/2	25,118	1/2	14,760	1/2	4,338	1/2		1/2		1/2		1/2	
3/4	56,167	3/4	45,745	3/4	35,323	3/4	24,901	3/4	14,543	3/4	4,121	3/4		3/4		3/4		3/4	
10	55,950	10	45,528	10	35,106	10	24,685	10	14,326	10	3,904	10		10		10		10	
1/4	55,733	1/4	45,311	1/4	34,889	1/4	24,468	1/4	14,109	1/4	3,688	1/4		1/4		1/4		1/4	
1/2	55,516	1/2	45,094	1/2	34,672	1/2	24,252	1/2	13,891	1/2	3,471	1/2		1/2		1/2		1/2	
3/4	55,298	3/4	44,876	3/4	34,454	3/4	24,036	3/4	13,674	3/4	3,254	3/4		3/4		3/4		3/4	
11	55,081	11	44,659	11	34,237	11	23,820	11	13,457	11	3,038	11		11		11		11	
1/4	54,864	1/4	44,442	1/4	34,020	1/4	23,604	1/4	13,240	1/4	2,821	1/4		1/4		1/4		1/4	
1/2	54,647	1/2	44,225	1/2	33,803	1/2	23,388	1/2	13,023	1/2	2,605	1/2		1/2		1/2		1/2	
3/4	54,430	3/4	44,008	3/4	33,586	3/4	23,172	3/4	12,806	3/4	2,389	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/02/2013 CL - SW  
DECK MEASUREMENTS: 10/17/2013 SW  
RECALCULATED: 10/20/2013 CL  
NAME CHANGE: 12/14/2020 PMA

PRECISION MEASUREMENT  
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CANCELS AND SUPERCEDES  
ALL PRIOR TO 12/2020