



BARGE "CTCo 345"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
1 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
2 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
2 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
3 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2

(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 2 PORT IS 00-1/2"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 236'-09"

May 20, 2016

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 345"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 05'-02 1/4"

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	1,048	0	2,096	0	3,131	0	4,126	0		0		0		0		0	
1/4	22	1/4	1,070	1/4	2,118	1/4	3,153	1/4	4,146	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	44	1/2	1,092	1/2	2,140	1/2	3,174	1/2	4,166	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66	3/4	1,114	3/4	2,162	3/4	3,195	3/4	4,186	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	87	1	1,135	1	2,183	1	3,216	1	4,207	1		1		1	1	1	1	1	1
1/4	109	1/4	1,157	1/4	2,205	1/4	3,237	1/4	4,227	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	131	1/2	1,179	1/2	2,227	1/2	3,258	1/2	4,247	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	153	3/4	1,201	3/4	2,249	3/4	3,279	3/4	4,267	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	175	2	1,223	2	2,271	2	3,300	2	4,287	2		2		2	2	2	2	2	2
1/4	197	1/4	1,245	1/4	2,293	1/4	3,321	1/4	4,307	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	218	1/2	1,266	1/2	2,314	1/2	3,342	1/2	4,327	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	240	3/4	1,288	3/4	2,336	3/4	3,363	3/4	4,347	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	262	3	1,310	3	2,358	3	3,384	3	4,367	3		3		3	3	3	3	3	3
1/4	284	1/4	1,332	1/4	2,380	1/4	3,405	1/4	4,387	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	306	1/2	1,354	1/2	2,402	1/2	3,426	1/2	4,408	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	328	3/4	1,376	3/4	2,423	3/4	3,447	3/4	4,428	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	349	4	1,397	4	2,445	4	3,468	4	4,448	4		4		4	4	4	4	4	4
1/4	371	1/4	1,419	1/4	2,467	1/4	3,488	1/4	4,467	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	393	1/2	1,441	1/2	2,489	1/2	3,509	1/2	4,487	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	415	3/4	1,463	3/4	2,510	3/4	3,530	3/4	4,507	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	437	5	1,485	5	2,532	5	3,551	5	4,527	5		5		5	5	5	5	5	5
1/4	459	1/4	1,507	1/4	2,554	1/4	3,572	1/4	4,547	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	480	1/2	1,528	1/2	2,575	1/2	3,592	1/2	4,567	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	502	3/4	1,550	3/4	2,597	3/4	3,613	3/4	4,587	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	524	6	1,572	6	2,618	6	3,634	6	4,607	6		6		6	6	6	6	6	6
1/4	546	1/4	1,594	1/4	2,640	1/4	3,654	1/4	4,627	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	568	1/2	1,616	1/2	2,662	1/2	3,675	1/2	4,646	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	590	3/4	1,638	3/4	2,683	3/4	3,696	3/4	4,666	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	611	7	1,659	7	2,705	7	3,717	7	4,686	7		7		7	7	7	7	7	7
1/4	633	1/4	1,681	1/4	2,726	1/4	3,737	1/4	4,706	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	655	1/2	1,703	1/2	2,748	1/2	3,758	1/2	4,725	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	677	3/4	1,725	3/4	2,769	3/4	3,778	3/4	4,745	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	699	8	1,747	8	2,791	8	3,799	8	4,765	8		8		8	8	8	8	8	8
1/4	721	1/4	1,769	1/4	2,812	1/4	3,819	1/4	4,784	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	742	1/2	1,790	1/2	2,833	1/2	3,840	1/2	4,804	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	764	3/4	1,812	3/4	2,855	3/4	3,860	3/4	4,824	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	786	9	1,834	9	2,876	9	3,881	9		9		9		9	9	9	9	9	9
1/4	808	1/4	1,856	1/4	2,898	1/4	3,901	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	830	1/2	1,878	1/2	2,919	1/2	3,922	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	852	3/4	1,900	3/4	2,940	3/4	3,942	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	873	10	1,921	10	2,962	10	3,963	10		10		10		10	10	10	10	10	10
1/4	895	1/4	1,943	1/4	2,983	1/4	3,983	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	917	1/2	1,965	1/2	3,004	1/2	4,004	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	939	3/4	1,987	3/4	3,025	3/4	4,024	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	961	11	2,009	11	3,047	11	4,044	11		11		11		11	11	11	11	11	11
1/4	983	1/4	2,031	1/4	3,068	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,004	1/2	2,052	1/2	3,089	1/2	4,085	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,026	3/4	2,074	3/4	3,110	3/4	4,105	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

STRAPPED: 05/20/2016 CL
CALCULATED: 05/20/2016 CL
PRINTED: 05/20/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTCo 345"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 05'-02 1/4"

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	1,048	0	2,096	0	3,131	0	4,126	0		0		0		0		0	
1/4	22	1/4	1,070	1/4	2,118	1/4	3,153	1/4	4,146	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	44	1/2	1,092	1/2	2,140	1/2	3,174	1/2	4,166	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	66	3/4	1,114	3/4	2,162	3/4	3,195	3/4	4,186	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	87	1	1,135	1	2,183	1	3,216	1	4,207	1		1		1	1	1	1	1	1
1/4	109	1/4	1,157	1/4	2,205	1/4	3,237	1/4	4,227	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	131	1/2	1,179	1/2	2,227	1/2	3,258	1/2	4,247	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	153	3/4	1,201	3/4	2,249	3/4	3,279	3/4	4,267	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	175	2	1,223	2	2,271	2	3,300	2	4,287	2		2		2	2	2	2	2	2
1/4	197	1/4	1,245	1/4	2,293	1/4	3,321	1/4	4,307	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	218	1/2	1,266	1/2	2,314	1/2	3,342	1/2	4,327	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	240	3/4	1,288	3/4	2,336	3/4	3,363	3/4	4,347	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	262	3	1,310	3	2,358	3	3,384	3	4,367	3		3		3	3	3	3	3	3
1/4	284	1/4	1,332	1/4	2,380	1/4	3,405	1/4	4,387	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	306	1/2	1,354	1/2	2,402	1/2	3,426	1/2	4,408	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	328	3/4	1,376	3/4	2,423	3/4	3,447	3/4	4,428	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	349	4	1,397	4	2,445	4	3,468	4	4,448	4		4		4	4	4	4	4	4
1/4	371	1/4	1,419	1/4	2,467	1/4	3,488	1/4	4,467	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	393	1/2	1,441	1/2	2,489	1/2	3,509	1/2	4,487	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	415	3/4	1,463	3/4	2,510	3/4	3,530	3/4	4,507	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	437	5	1,485	5	2,532	5	3,551	5	4,527	5		5		5	5	5	5	5	5
1/4	459	1/4	1,507	1/4	2,554	1/4	3,572	1/4	4,547	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	480	1/2	1,528	1/2	2,575	1/2	3,592	1/2	4,567	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	502	3/4	1,550	3/4	2,597	3/4	3,613	3/4	4,587	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	524	6	1,572	6	2,618	6	3,634	6	4,607	6		6		6	6	6	6	6	6
1/4	546	1/4	1,594	1/4	2,640	1/4	3,654	1/4	4,627	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	568	1/2	1,616	1/2	2,662	1/2	3,675	1/2	4,646	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	590	3/4	1,638	3/4	2,683	3/4	3,696	3/4	4,666	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	611	7	1,659	7	2,705	7	3,717	7	4,686	7		7		7	7	7	7	7	7
1/4	633	1/4	1,681	1/4	2,726	1/4	3,737	1/4	4,706	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	655	1/2	1,703	1/2	2,748	1/2	3,758	1/2	4,725	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	677	3/4	1,725	3/4	2,769	3/4	3,778	3/4	4,745	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	699	8	1,747	8	2,791	8	3,799	8	4,765	8		8		8	8	8	8	8	8
1/4	721	1/4	1,769	1/4	2,812	1/4	3,819	1/4	4,784	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	742	1/2	1,790	1/2	2,833	1/2	3,840	1/2	4,804	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	764	3/4	1,812	3/4	2,855	3/4	3,860	3/4	4,824	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	786	9	1,834	9	2,876	9	3,881	9		9		9		9	9	9	9	9	9
1/4	808	1/4	1,856	1/4	2,898	1/4	3,901	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	830	1/2	1,878	1/2	2,919	1/2	3,922	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	852	3/4	1,900	3/4	2,940	3/4	3,942	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	873	10	1,921	10	2,962	10	3,963	10		10		10		10	10	10	10	10	10
1/4	895	1/4	1,943	1/4	2,983	1/4	3,983	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	917	1/2	1,965	1/2	3,004	1/2	4,004	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	939	3/4	1,987	3/4	3,025	3/4	4,024	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	961	11	2,009	11	3,047	11	4,044	11		11		11		11	11	11	11	11	11
1/4	983	1/4	2,031	1/4	3,068	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,004	1/2	2,052	1/2	3,089	1/2	4,085	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,026	3/4	2,074	3/4	3,110	3/4	4,105	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

STRAPPED: 05/20/2016 CL
CALCULATED: 05/20/2016 CL
PRINTED: 05/20/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTCo 345"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 05'-03 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	192	0	385	0	577	0	769	0		0		0		0		0	
1/4	4	1/4	196	1/4	389	1/4	581	1/4	773	1/4		1/4		1/4		1/4		1/4	
1/2	8	1/2	200	1/2	393	1/2	585	1/2	777	1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	204	3/4	397	3/4	589	3/4	781	3/4		3/4		3/4		3/4		3/4	
1	16	1	208	1	401	1	593	1	785	1		1		1		1		1	
1/4	20	1/4	212	1/4	405	1/4	597	1/4	789	1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	216	1/2	409	1/2	601	1/2	793	1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	220	3/4	413	3/4	605	3/4	797	3/4		3/4		3/4		3/4		3/4	
2	32	2	224	2	417	2	609	2	801	2		2		2		2		2	
1/4	36	1/4	228	1/4	421	1/4	613	1/4	805	1/4		1/4		1/4		1/4		1/4	
1/2	40	1/2	232	1/2	425	1/2	617	1/2	809	1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	236	3/4	429	3/4	621	3/4	813	3/4		3/4		3/4		3/4		3/4	
3	48	3	240	3	433	3	625	3	817	3		3		3		3		3	
1/4	52	1/4	244	1/4	437	1/4	629	1/4	821	1/4		1/4		1/4		1/4		1/4	
1/2	56	1/2	248	1/2	441	1/2	633	1/2	825	1/2		1/2		1/2		1/2		1/2	
3/4	60	3/4	252	3/4	445	3/4	637	3/4	829	3/4		3/4		3/4		3/4		3/4	
4	64	4	256	4	449	4	641	4	833	4		4		4		4		4	
1/4	68	1/4	260	1/4	453	1/4	645	1/4	837	1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	264	1/2	457	1/2	649	1/2	841	1/2		1/2		1/2		1/2		1/2	
3/4	76	3/4	268	3/4	461	3/4	653	3/4	845	3/4		3/4		3/4		3/4		3/4	
5	80	5	272	5	465	5	657	5	849	5		5		5		5		5	
1/4	84	1/4	276	1/4	469	1/4	661	1/4	853	1/4		1/4		1/4		1/4		1/4	
1/2	88	1/2	280	1/2	473	1/2	665	1/2	857	1/2		1/2		1/2		1/2		1/2	
3/4	92	3/4	284	3/4	477	3/4	669	3/4	861	3/4		3/4		3/4		3/4		3/4	
6	96	6	288	6	481	6	673	6	865	6		6		6		6		6	
1/4	100	1/4	292	1/4	485	1/4	677	1/4	869	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	296	1/2	489	1/2	681	1/2	873	1/2		1/2		1/2		1/2		1/2	
3/4	108	3/4	300	3/4	493	3/4	685	3/4	877	3/4		3/4		3/4		3/4		3/4	
7	112	7	304	7	497	7	689	7	881	7		7		7		7		7	
1/4	116	1/4	308	1/4	501	1/4	693	1/4	885	1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	312	1/2	505	1/2	697	1/2	889	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	316	3/4	509	3/4	701	3/4	893	3/4		3/4		3/4		3/4		3/4	
8	128	8	320	8	513	8	705	8	897	8		8		8		8		8	
1/4	132	1/4	324	1/4	517	1/4	709	1/4	901	1/4		1/4		1/4		1/4		1/4	
1/2	136	1/2	328	1/2	521	1/2	713	1/2	905	1/2		1/2		1/2		1/2		1/2	
3/4	140	3/4	332	3/4	525	3/4	717	3/4	909	3/4		3/4		3/4		3/4		3/4	
9	144	9	336	9	529	9	721	9		9		9		9		9		9	
1/4	148	1/4	340	1/4	533	1/4	725	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152	1/2	344	1/2	537	1/2	729	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156	3/4	348	3/4	541	3/4	733	3/4		3/4		3/4		3/4		3/4		3/4	
10	160	10	353	10	545	10	737	10		10		10		10		10		10	
1/4	164	1/4	357	1/4	549	1/4	741	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168	1/2	361	1/2	553	1/2	745	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	172	3/4	365	3/4	557	3/4	749	3/4		3/4		3/4		3/4		3/4		3/4	
11	176	11	369	11	561	11	753	11		11		11		11		11		11	
1/4	180	1/4	373	1/4	565	1/4	757	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	184	1/2	377	1/2	569	1/2	761	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	188	3/4	381	3/4	573	3/4	765	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT

STRAPPED: 05/20/2016 CL
CALCULATED: 05/20/2016 CL
PRINTED: 05/20/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTCo 345"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	13.75	0	353.81	0	714.59	0	1,067.91	0	1,425.07	0	1,785.68	0	2,144.28	0	2,502.64	0	2,863.02	0	3,223.19
1/4	17.93	1/4	361.32	1/4	722.11	1/4	1,075.21	1/4	1,432.58	1/4	1,793.19	1/4	2,151.73	1/4	2,510.15	1/4	2,870.52	1/4	3,230.69
1/2	22.12	1/2	368.84	1/2	729.63	1/2	1,082.50	1/2	1,440.09	1/2	1,800.71	1/2	2,159.17	1/2	2,517.67	1/2	2,878.03	1/2	3,238.19
3/4	26.30	3/4	376.35	3/4	737.14	3/4	1,089.79	3/4	1,447.60	3/4	1,808.22	3/4	2,166.62	3/4	2,525.18	3/4	2,885.53	3/4	3,245.69
1	30.48	1	383.87	1	744.66	1	1,097.08	1	1,455.12	1	1,815.73	1	2,174.07	1	2,532.69	1	2,893.04	1	3,253.20
1/4	36.34	1/4	391.38	1/4	752.18	1/4	1,104.37	1/4	1,462.63	1/4	1,823.24	1/4	2,181.52	1/4	2,540.20	1/4	2,900.54	1/4	3,260.70
1/2	42.19	1/2	398.90	1/2	759.69	1/2	1,111.66	1/2	1,470.14	1/2	1,830.76	1/2	2,188.97	1/2	2,547.72	1/2	2,908.05	1/2	3,268.20
3/4	48.05	3/4	406.42	3/4	767.21	3/4	1,118.95	3/4	1,477.66	3/4	1,838.27	3/4	2,196.42	3/4	2,555.23	3/4	2,915.55	3/4	3,275.70
2	53.90	2	413.93	2	774.73	2	1,126.24	2	1,485.17	2	1,845.78	2	2,203.87	2	2,562.74	2	2,923.06	2	3,283.21
1/4	61.22	1/4	421.45	1/4	782.24	1/4	1,133.54	1/4	1,492.68	1/4	1,853.30	1/4	2,211.32	1/4	2,570.26	1/4	2,930.56	1/4	3,290.69
1/2	68.54	1/2	428.96	1/2	789.76	1/2	1,140.84	1/2	1,500.19	1/2	1,860.81	1/2	2,218.77	1/2	2,577.77	1/2	2,938.07	1/2	3,298.17
3/4	75.86	3/4	436.48	3/4	797.28	3/4	1,148.14	3/4	1,507.71	3/4	1,868.32	3/4	2,226.22	3/4	2,585.28	3/4	2,945.58	3/4	3,305.65
3	83.18	3	443.99	3	804.79	3	1,155.45	3	1,515.22	3	1,875.83	3	2,233.67	3	2,592.79	3	2,953.08	3	3,313.13
1/4	90.70	1/4	451.51	1/4	812.31	1/4	1,162.75	1/4	1,522.73	1/4	1,883.35	1/4	2,241.12	1/4	2,600.31	1/4	2,960.59	1/4	3,320.62
1/2	98.23	1/2	459.02	1/2	819.83	1/2	1,170.05	1/2	1,530.25	1/2	1,890.86	1/2	2,248.57	1/2	2,607.82	1/2	2,968.09	1/2	3,328.10
3/4	105.75	3/4	466.54	3/4	827.35	3/4	1,177.35	3/4	1,537.76	3/4	1,898.37	3/4	2,256.02	3/4	2,615.33	3/4	2,975.60	3/4	3,335.58
4	113.28	4	474.06	4	834.86	4	1,184.66	4	1,545.27	4	1,905.89	4	2,263.47	4	2,622.84	4	2,983.10	4	3,343.06
1/4	120.79	1/4	481.57	1/4	842.14	1/4	1,192.17	1/4	1,552.78	1/4	1,913.33	1/4	2,270.94	1/4	2,630.35	1/4	2,990.61	1/4	3,350.54
1/2	128.31	1/2	489.09	1/2	849.43	1/2	1,199.68	1/2	1,560.30	1/2	1,920.78	1/2	2,278.42	1/2	2,637.85	1/2	2,998.11	1/2	3,358.03
3/4	135.83	3/4	496.61	3/4	856.71	3/4	1,207.19	3/4	1,567.81	3/4	1,928.23	3/4	2,285.89	3/4	2,645.36	3/4	3,005.61	3/4	3,365.51
5	143.35	5	504.12	5	863.99	5	1,214.71	5	1,575.32	5	1,935.68	5	2,293.37	5	2,652.87	5	3,013.11	5	3,372.99
1/4	150.87	1/4	511.64	1/4	871.28	1/4	1,222.22	1/4	1,582.83	1/4	1,943.13	1/4	2,300.84	1/4	2,660.37	1/4	3,020.62	1/4	3,380.47
1/2	158.39	1/2	519.16	1/2	878.56	1/2	1,229.73	1/2	1,590.35	1/2	1,950.58	1/2	2,308.32	1/2	2,667.88	1/2	3,028.12	1/2	3,387.95
3/4	165.90	3/4	526.67	3/4	885.84	3/4	1,237.25	3/4	1,597.86	3/4	1,958.03	3/4	2,315.79	3/4	2,675.38	3/4	3,035.62	3/4	3,395.44
6	173.42	6	534.19	6	893.13	6	1,244.76	6	1,605.37	6	1,965.48	6	2,323.26	6	2,682.89	6	3,043.12	6	3,402.92
1/4	180.94	1/4	541.71	1/4	900.41	1/4	1,252.27	1/4	1,612.89	1/4	1,972.93	1/4	2,330.74	1/4	2,690.39	1/4	3,050.63	1/4	3,410.40
1/2	188.45	1/2	549.22	1/2	907.69	1/2	1,259.78	1/2	1,620.40	1/2	1,980.38	1/2	2,338.21	1/2	2,697.90	1/2	3,058.13	1/2	3,417.88
3/4	195.97	3/4	556.74	3/4	914.97	3/4	1,267.30	3/4	1,627.91	3/4	1,987.83	3/4	2,345.69	3/4	2,705.40	3/4	3,065.63	3/4	3,425.36
7	203.49	7	564.26	7	922.26	7	1,274.81	7	1,635.42	7	1,995.28	7	2,353.16	7	2,712.91	7	3,073.13	7	3,432.85
1/4	211.01	1/4	571.77	1/4	929.54	1/4	1,282.32	1/4	1,642.94	1/4	2,002.73	1/4	2,360.63	1/4	2,720.41	1/4	3,080.64	1/4	3,440.33
1/2	218.52	1/2	579.29	1/2	936.82	1/2	1,289.84	1/2	1,650.45	1/2	2,010.18	1/2	2,368.11	1/2	2,727.92	1/2	3,088.14	1/2	3,447.81
3/4	226.04	3/4	586.81	3/4	944.11	3/4	1,297.35	3/4	1,657.96	3/4	2,017.63	3/4	2,375.58	3/4	2,735.42	3/4	3,095.64	3/4	3,455.29
8	233.56	8	594.32	8	951.39	8	1,304.86	8	1,665.48	8	2,025.08	8	2,383.06	8	2,742.93	8	3,103.14	8	3,462.77
1/4	241.07	1/4	601.84	1/4	958.67	1/4	1,312.37	1/4	1,672.99	1/4	2,032.53	1/4	2,390.53	1/4	2,750.44	1/4	3,110.65	1/4	3,470.26
1/2	248.59	1/2	609.36	1/2	965.95	1/2	1,319.89	1/2	1,680.50	1/2	2,039.98	1/2	2,398.00	1/2	2,757.94	1/2	3,118.15	1/2	3,477.74
3/4	256.10	3/4	616.87	3/4	973.24	3/4	1,327.40	3/4	1,688.01	3/4	2,047.43	3/4	2,405.48	3/4	2,765.45	3/4	3,125.65	3/4	3,485.22
9	263.62	9	624.39	9	980.52	9	1,334.91	9	1,695.53	9	2,054.88	9	2,412.95	9	2,772.95	9	3,133.15	9	3,492.70
1/4	271.13	1/4	631.91	1/4	987.80	1/4	1,342.43	1/4	1,703.04	1/4	2,062.33	1/4	2,420.43	1/4	2,780.46	1/4	3,140.66	1/4	3,500.18
1/2	278.65	1/2	639.43	1/2	995.09	1/2	1,349.94	1/2	1,710.55	1/2	2,069.78	1/2	2,427.90	1/2	2,787.96	1/2	3,148.16	1/2	3,507.67
3/4	286.17	3/4	646.94	3/4	1,002.37	3/4	1,357.45	3/4	1,718.07	3/4	2,077.23	3/4	2,435.38	3/4	2,795.47	3/4	3,155.66	3/4	3,515.15
10	293.68	10	654.46	10	1,009.65	10	1,364.96	10	1,725.58	10	2,084.68	10	2,442.85	10	2,802.97	10	3,163.17	10	3,522.63
1/4	301.20	1/4	661.98	1/4	1,016.93	1/4	1,372.48	1/4	1,733.09	1/4	2,092.13	1/4	2,450.32	1/4	2,810.48	1/4	3,170.67	1/4	3,530.12
1/2	308.71	1/2	669.49	1/2	1,024.22	1/2	1,379.99	1/2	1,740.60	1/2	2,099.58	1/2	2,457.80	1/2	2,817.98	1/2	3,178.17	1/2	3,537.62
3/4	316.23	3/4	677.01	3/4	1,031.50	3/4	1,387.50	3/4	1,748.12	3/4	2,107.03	3/4	2,465.27	3/4	2,825.49	3/4	3,185.67	3/4	3,545.11
11	323.74	11	684.53	11	1,038.78	11	1,395.01	11	1,755.63	11	2,114.48	11	2,472.75	11	2,832.99	11	3,193.18	11	3,552.61
1/4	331.26	1/4	692.04	1/4	1,046.07	1/4	1,402.53	1/4	1,763.14	1/4	2,121.93	1/4	2,480.22	1/4	2,840.50	1/4	3,200.68	1/4	3,560.10
1/2	338.77	1/2	699.56	1/2	1,053.35	1/2	1,410.04	1/2	1,770.65	1/2	2,129.38	1/2	2,487.69	1/2	2,848.01	1/2	3,208.18	1/2	3,567.59
3/4	346.29	3/4	707.08	3/4	1,060.63	3/4	1,417.55	3/4	1,778.17	3/4	2,136.83	3/4	2,495.17	3/4	2,855.51	3/4	3,215.68	3/4	3,575.09

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 2" DIAMETER OPENING ON "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 345"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	3,582.58	0	3,852.74	0	4,116.15	0	4,367.21	0	4,604.50	0		0		0		0		0	
1/4	3,589.11	1/4	3,858.28	1/4	4,121.51	1/4	4,372.29	1/4	4,610.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.65	1/2	3,863.83	1/2	4,126.87	1/2	4,377.38	1/2	4,615.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.18	3/4	3,869.38	3/4	4,132.23	3/4	4,382.46	3/4	4,621.02	3/4		3/4		3/4		3/4		3/4	
1	3,608.72	1	3,874.92	1	4,137.60	1	4,387.55	1	4,626.53	1		1		1		1		1	
1/4	3,614.26	1/4	3,880.47	1/4	4,142.93	1/4	4,392.61	1/4	4,632.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,619.81	1/2	3,886.01	1/2	4,148.27	1/2	4,397.68	1/2	4,637.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,625.36	3/4	3,891.56	3/4	4,153.61	3/4	4,402.74	3/4	4,643.05	3/4		3/4		3/4		3/4		3/4	
2	3,630.90	2	3,897.11	2	4,158.95	2	4,407.80	2	4,648.56	2		2		2		2		2	
1/4	3,636.45	1/4	3,902.65	1/4	4,164.27	1/4	4,412.82	1/4	4,654.06	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.99	1/2	3,908.20	1/2	4,169.59	1/2	4,417.83	1/2	4,659.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.54	3/4	3,913.74	3/4	4,174.90	3/4	4,422.85	3/4	4,665.08	3/4		3/4		3/4		3/4		3/4	
3	3,653.09	3	3,919.29	3	4,180.22	3	4,427.86	3	4,670.58	3		3		3		3		3	
1/4	3,658.63	1/4	3,924.83	1/4	4,185.50	1/4	4,432.85	1/4	4,676.09	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.18	1/2	3,930.38	1/2	4,190.78	1/2	4,437.85	1/2	4,681.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,669.72	3/4	3,935.93	3/4	4,196.07	3/4	4,442.84	3/4	4,687.10	3/4		3/4		3/4		3/4		3/4	
4	3,675.27	4	3,941.47	4	4,201.35	4	4,447.83	4	4,692.61	4		4		4		4		4	
1/4	3,680.81	1/4	3,947.01	1/4	4,206.61	1/4	4,452.80	1/4	4,697.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,686.36	1/2	3,952.54	1/2	4,211.86	1/2	4,457.77	1/2	4,701.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,691.91	3/4	3,958.08	3/4	4,217.12	3/4	4,462.74	3/4	4,706.62	3/4		3/4		3/4		3/4		3/4	
5	3,697.45	5	3,963.61	5	4,222.38	5	4,467.71	5	4,711.29	5		5		5		5		5	
1/4	3,703.00	1/4	3,969.12	1/4	4,227.62	1/4	4,472.66	1/4	4,714.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,708.54	1/2	3,974.64	1/2	4,232.86	1/2	4,477.61	1/2	4,717.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,714.09	3/4	3,980.15	3/4	4,238.10	3/4	4,482.56	3/4	4,720.29	3/4		3/4		3/4		3/4		3/4	
6	3,719.64	6	3,985.66	6	4,243.33	6	4,487.51	6	4,723.28	6		6		6		6		6	
1/4	3,725.18	1/4	3,991.15	1/4	4,248.55	1/4	4,492.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,730.73	1/2	3,996.65	1/2	4,253.77	1/2	4,497.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.27	3/4	4,002.14	3/4	4,258.98	3/4	4,502.29	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,741.82	7	4,007.63	7	4,264.20	7	4,507.22	7		7		7		7		7		7	
1/4	3,747.37	1/4	4,013.10	1/4	4,269.39	1/4	4,512.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.91	1/2	4,018.57	1/2	4,274.59	1/2	4,517.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,758.46	3/4	4,024.04	3/4	4,279.78	3/4	4,521.94	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,764.00	8	4,029.51	8	4,284.97	8	4,526.84	8		8		8		8		8		8	
1/4	3,769.55	1/4	4,034.96	1/4	4,290.15	1/4	4,531.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.10	1/2	4,040.40	1/2	4,295.32	1/2	4,536.62	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.64	3/4	4,045.85	3/4	4,300.49	3/4	4,541.50	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,786.19	9	4,051.30	9	4,305.66	9	4,546.39	9		9		9		9		9		9	
1/4	3,791.73	1/4	4,056.73	1/4	4,310.81	1/4	4,551.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,797.28	1/2	4,062.15	1/2	4,315.96	1/2	4,556.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,802.82	3/4	4,067.58	3/4	4,321.11	3/4	4,560.98	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,808.37	10	4,073.00	10	4,326.27	10	4,565.85	10		10		10		10		10		10	
1/4	3,813.92	1/4	4,078.41	1/4	4,331.39	1/4	4,570.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.46	1/2	4,083.81	1/2	4,336.52	1/2	4,575.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,825.01	3/4	4,089.22	3/4	4,341.65	3/4	4,580.38	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,830.55	11	4,094.62	11	4,346.78	11	4,585.22	11		11		11		11		11		11	
1/4	3,836.10	1/4	4,100.00	1/4	4,351.89	1/4	4,590.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,841.65	1/2	4,105.39	1/2	4,356.99	1/2	4,594.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.19	3/4	4,110.77	3/4	4,362.10	3/4	4,599.68	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/20/2016 CL
CALCULATED: 05/20/2016 CL
PRINTED: 05/20/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "CTCo 345"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	13.75	0	353.81	0	714.59	0	1,067.92	0	1,425.06	0	1,785.67	0	2,144.27	0	2,502.64	0	2,863.02	0	3,223.18
1/4	17.93	1/4	361.32	1/4	722.11	1/4	1,075.21	1/4	1,432.57	1/4	1,793.18	1/4	2,151.72	1/4	2,510.15	1/4	2,870.52	1/4	3,230.69
1/2	22.12	1/2	368.84	1/2	729.63	1/2	1,082.50	1/2	1,440.09	1/2	1,800.70	1/2	2,159.17	1/2	2,517.66	1/2	2,878.03	1/2	3,238.19
3/4	26.30	3/4	376.35	3/4	737.14	3/4	1,089.79	3/4	1,447.60	3/4	1,808.21	3/4	2,166.62	3/4	2,525.18	3/4	2,885.53	3/4	3,245.69
1	30.48	1	383.87	1	744.66	1	1,097.08	1	1,455.11	1	1,815.72	1	2,174.07	1	2,532.69	1	2,893.04	1	3,253.20
1/4	36.34	1/4	391.38	1/4	752.18	1/4	1,104.37	1/4	1,462.63	1/4	1,823.23	1/4	2,181.52	1/4	2,540.20	1/4	2,900.54	1/4	3,260.70
1/2	42.19	1/2	398.90	1/2	759.69	1/2	1,111.66	1/2	1,470.14	1/2	1,830.75	1/2	2,188.97	1/2	2,547.72	1/2	2,908.05	1/2	3,268.20
3/4	48.05	3/4	406.42	3/4	767.21	3/4	1,118.95	3/4	1,477.65	3/4	1,838.26	3/4	2,196.42	3/4	2,555.23	3/4	2,915.55	3/4	3,275.70
2	53.90	2	413.93	2	774.73	2	1,126.24	2	1,485.16	2	1,845.77	2	2,203.87	2	2,562.74	2	2,923.06	2	3,283.21
1/4	61.22	1/4	421.45	1/4	782.24	1/4	1,133.54	1/4	1,492.68	1/4	1,853.29	1/4	2,211.32	1/4	2,570.25	1/4	2,930.56	1/4	3,290.69
1/2	68.54	1/2	428.96	1/2	789.76	1/2	1,140.84	1/2	1,500.19	1/2	1,860.80	1/2	2,218.77	1/2	2,577.77	1/2	2,938.07	1/2	3,298.17
3/4	75.86	3/4	436.48	3/4	797.28	3/4	1,148.14	3/4	1,507.70	3/4	1,868.31	3/4	2,226.22	3/4	2,585.28	3/4	2,945.57	3/4	3,305.65
3	83.18	3	443.99	3	804.80	3	1,155.45	3	1,515.21	3	1,875.82	3	2,233.67	3	2,592.79	3	2,953.08	3	3,313.13
1/4	90.70	1/4	451.51	1/4	812.31	1/4	1,162.75	1/4	1,522.73	1/4	1,883.34	1/4	2,241.12	1/4	2,600.30	1/4	2,960.59	1/4	3,320.62
1/2	98.23	1/2	459.02	1/2	819.83	1/2	1,170.05	1/2	1,530.24	1/2	1,890.85	1/2	2,248.57	1/2	2,607.82	1/2	2,968.09	1/2	3,328.10
3/4	105.75	3/4	466.54	3/4	827.35	3/4	1,177.35	3/4	1,537.75	3/4	1,898.36	3/4	2,256.02	3/4	2,615.33	3/4	2,975.60	3/4	3,335.58
4	113.28	4	474.06	4	834.86	4	1,184.66	4	1,545.26	4	1,905.87	4	2,263.46	4	2,622.84	4	2,983.10	4	3,343.06
1/4	120.79	1/4	481.57	1/4	842.15	1/4	1,192.17	1/4	1,552.78	1/4	1,913.32	1/4	2,270.94	1/4	2,630.35	1/4	2,990.60	1/4	3,350.54
1/2	128.31	1/2	489.09	1/2	849.43	1/2	1,199.68	1/2	1,560.29	1/2	1,920.77	1/2	2,278.41	1/2	2,637.85	1/2	2,998.11	1/2	3,358.03
3/4	135.83	3/4	496.61	3/4	856.71	3/4	1,207.19	3/4	1,567.80	3/4	1,928.22	3/4	2,285.89	3/4	2,645.36	3/4	3,005.61	3/4	3,365.51
5	143.35	5	504.12	5	863.99	5	1,214.71	5	1,575.32	5	1,935.67	5	2,293.36	5	2,652.86	5	3,013.11	5	3,372.99
1/4	150.87	1/4	511.64	1/4	871.28	1/4	1,222.22	1/4	1,582.83	1/4	1,943.12	1/4	2,300.84	1/4	2,660.37	1/4	3,020.61	1/4	3,380.47
1/2	158.39	1/2	519.16	1/2	878.56	1/2	1,229.73	1/2	1,590.34	1/2	1,950.57	1/2	2,308.31	1/2	2,667.87	1/2	3,028.12	1/2	3,387.95
3/4	165.90	3/4	526.67	3/4	885.84	3/4	1,237.24	3/4	1,597.85	3/4	1,958.02	3/4	2,315.78	3/4	2,675.38	3/4	3,035.62	3/4	3,395.44
6	173.42	6	534.19	6	893.13	6	1,244.76	6	1,605.37	6	1,965.47	6	2,323.26	6	2,682.89	6	3,043.12	6	3,402.92
1/4	180.94	1/4	541.71	1/4	900.41	1/4	1,252.27	1/4	1,612.88	1/4	1,972.92	1/4	2,330.73	1/4	2,690.39	1/4	3,050.63	1/4	3,410.40
1/2	188.45	1/2	549.22	1/2	907.69	1/2	1,259.78	1/2	1,620.39	1/2	1,980.37	1/2	2,338.21	1/2	2,697.90	1/2	3,058.13	1/2	3,417.88
3/4	195.97	3/4	556.74	3/4	914.97	3/4	1,267.29	3/4	1,627.90	3/4	1,987.82	3/4	2,345.68	3/4	2,705.40	3/4	3,065.63	3/4	3,425.36
7	203.49	7	564.26	7	922.26	7	1,274.81	7	1,635.42	7	1,995.27	7	2,353.16	7	2,712.91	7	3,073.13	7	3,432.85
1/4	211.01	1/4	571.77	1/4	929.54	1/4	1,282.32	1/4	1,642.93	1/4	2,002.72	1/4	2,360.63	1/4	2,720.41	1/4	3,080.64	1/4	3,440.33
1/2	218.52	1/2	579.29	1/2	936.82	1/2	1,289.83	1/2	1,650.44	1/2	2,010.17	1/2	2,368.10	1/2	2,727.92	1/2	3,088.14	1/2	3,447.81
3/4	226.04	3/4	586.81	3/4	944.11	3/4	1,297.35	3/4	1,657.96	3/4	2,017.62	3/4	2,375.58	3/4	2,735.42	3/4	3,095.64	3/4	3,455.29
8	233.56	8	594.32	8	951.39	8	1,304.86	8	1,665.47	8	2,025.07	8	2,383.05	8	2,742.93	8	3,103.14	8	3,462.77
1/4	241.07	1/4	601.84	1/4	958.67	1/4	1,312.37	1/4	1,672.98	1/4	2,032.52	1/4	2,390.53	1/4	2,750.43	1/4	3,110.65	1/4	3,470.26
1/2	248.59	1/2	609.36	1/2	965.95	1/2	1,319.88	1/2	1,680.49	1/2	2,039.97	1/2	2,398.00	1/2	2,757.94	1/2	3,118.15	1/2	3,477.74
3/4	256.10	3/4	616.88	3/4	973.24	3/4	1,327.40	3/4	1,688.01	3/4	2,047.42	3/4	2,405.47	3/4	2,765.45	3/4	3,125.65	3/4	3,485.22
9	263.62	9	624.39	9	980.52	9	1,334.91	9	1,695.52	9	2,054.87	9	2,412.95	9	2,772.95	9	3,133.15	9	3,492.70
1/4	271.13	1/4	631.91	1/4	987.80	1/4	1,342.42	1/4	1,703.03	1/4	2,062.32	1/4	2,420.42	1/4	2,780.46	1/4	3,140.66	1/4	3,500.18
1/2	278.65	1/2	639.43	1/2	995.09	1/2	1,349.93	1/2	1,710.54	1/2	2,069.77	1/2	2,427.90	1/2	2,787.96	1/2	3,148.16	1/2	3,507.67
3/4	286.17	3/4	646.94	3/4	1,002.37	3/4	1,357.45	3/4	1,718.06	3/4	2,077.22	3/4	2,435.37	3/4	2,795.47	3/4	3,155.66	3/4	3,515.15
10	293.68	10	654.46	10	1,009.65	10	1,364.96	10	1,725.57	10	2,084.67	10	2,442.85	10	2,802.97	10	3,163.16	10	3,522.63
1/4	301.20	1/4	661.98	1/4	1,016.93	1/4	1,372.47	1/4	1,733.08	1/4	2,092.12	1/4	2,450.32	1/4	2,810.48	1/4	3,170.67	1/4	3,530.12
1/2	308.71	1/2	669.49	1/2	1,024.22	1/2	1,379.99	1/2	1,740.60	1/2	2,099.57	1/2	2,457.79	1/2	2,817.98	1/2	3,178.17	1/2	3,537.62
3/4	316.23	3/4	677.01	3/4	1,031.50	3/4	1,387.50	3/4	1,748.11	3/4	2,107.02	3/4	2,465.27	3/4	2,825.49	3/4	3,185.67	3/4	3,545.11
11	323.74	11	684.53	11	1,038.78	11	1,395.01	11	1,755.62	11	2,114.47	11	2,472.74	11	2,832.99	11	3,193.17	11	3,552.60
1/4	331.26	1/4	692.04	1/4	1,046.07	1/4	1,402.52	1/4	1,763.13	1/4	2,121.92	1/4	2,480.22	1/4	2,840.50	1/4	3,200.68	1/4	3,560.10
1/2	338.78	1/2	699.56	1/2	1,053.35	1/2	1,410.04	1/2	1,770.65	1/2	2,129.37	1/2	2,487.69	1/2	2,848.00	1/2	3,208.18	1/2	3,567.59
3/4	346.29	3/4	707.08	3/4	1,060.63	3/4	1,417.55	3/4	1,778.16	3/4	2,136.82	3/4	2,495.17	3/4	2,855.51	3/4	3,215.68	3/4	3,575.08

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 2" DIAMETER OPENING ON "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 45'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 345"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	3,582.58	0	3,852.72	0	4,116.13	0	4,367.17	0	4,604.45	0		0		0		0		0	
1/4	3,589.11	1/4	3,858.27	1/4	4,121.49	1/4	4,372.25	1/4	4,609.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,595.65	1/2	3,863.81	1/2	4,126.85	1/2	4,377.34	1/2	4,615.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,602.18	3/4	3,869.36	3/4	4,132.21	3/4	4,382.42	3/4	4,620.97	3/4		3/4		3/4		3/4		3/4	
1	3,608.71	1	3,874.90	1	4,137.57	1	4,387.51	1	4,626.48	1		1		1		1		1	
1/4	3,614.26	1/4	3,880.45	1/4	4,142.91	1/4	4,392.57	1/4	4,631.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,619.81	1/2	3,885.99	1/2	4,148.25	1/2	4,397.64	1/2	4,637.49	1/2		1/2		1/2		1/2		1/2	
3/4	3,625.35	3/4	3,891.54	3/4	4,153.59	3/4	4,402.70	3/4	4,642.99	3/4		3/4		3/4		3/4		3/4	
2	3,630.90	2	3,897.09	2	4,158.92	2	4,407.76	2	4,648.50	2		2		2		2		2	
1/4	3,636.44	1/4	3,902.63	1/4	4,164.24	1/4	4,412.78	1/4	4,654.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.99	1/2	3,908.18	1/2	4,169.56	1/2	4,417.79	1/2	4,659.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,647.53	3/4	3,913.72	3/4	4,174.88	3/4	4,422.80	3/4	4,665.02	3/4		3/4		3/4		3/4		3/4	
3	3,653.08	3	3,919.27	3	4,180.19	3	4,427.82	3	4,670.53	3		3		3		3		3	
1/4	3,658.63	1/4	3,924.81	1/4	4,185.47	1/4	4,432.81	1/4	4,676.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.17	1/2	3,930.36	1/2	4,190.75	1/2	4,437.80	1/2	4,681.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,669.72	3/4	3,935.91	3/4	4,196.04	3/4	4,442.80	3/4	4,687.05	3/4		3/4		3/4		3/4		3/4	
4	3,675.26	4	3,941.45	4	4,201.32	4	4,447.79	4	4,692.55	4		4		4		4		4	
1/4	3,680.81	1/4	3,946.99	1/4	4,206.58	1/4	4,452.76	1/4	4,697.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,686.35	1/2	3,952.52	1/2	4,211.83	1/2	4,457.73	1/2	4,701.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,691.90	3/4	3,958.06	3/4	4,217.09	3/4	4,462.70	3/4	4,706.56	3/4		3/4		3/4		3/4		3/4	
5	3,697.44	5	3,963.59	5	4,222.35	5	4,467.67	5	4,711.23	5		5		5		5		5	
1/4	3,702.99	1/4	3,969.10	1/4	4,227.59	1/4	4,472.62	1/4	4,714.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,708.54	1/2	3,974.62	1/2	4,232.83	1/2	4,477.57	1/2	4,717.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,714.08	3/4	3,980.13	3/4	4,238.07	3/4	4,482.52	3/4	4,720.22	3/4		3/4		3/4		3/4		3/4	
6	3,719.63	6	3,985.64	6	4,243.30	6	4,487.47	6	4,723.22	6		6		6		6		6	
1/4	3,725.17	1/4	3,991.13	1/4	4,248.52	1/4	4,492.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,730.72	1/2	3,996.63	1/2	4,253.73	1/2	4,497.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.26	3/4	4,002.12	3/4	4,258.95	3/4	4,502.25	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,741.81	7	4,007.61	7	4,264.16	7	4,507.17	7		7		7		7		7		7	
1/4	3,747.35	1/4	4,013.08	1/4	4,269.36	1/4	4,512.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.90	1/2	4,018.55	1/2	4,274.55	1/2	4,516.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,758.45	3/4	4,024.02	3/4	4,279.75	3/4	4,521.89	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,763.99	8	4,029.49	8	4,284.94	8	4,526.79	8		8		8		8		8		8	
1/4	3,769.54	1/4	4,034.93	1/4	4,290.11	1/4	4,531.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.08	1/2	4,040.38	1/2	4,295.28	1/2	4,536.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.63	3/4	4,045.83	3/4	4,300.46	3/4	4,541.45	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,786.17	9	4,051.28	9	4,305.63	9	4,546.34	9		9		9		9		9		9	
1/4	3,791.72	1/4	4,056.70	1/4	4,310.78	1/4	4,551.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,797.27	1/2	4,062.13	1/2	4,315.93	1/2	4,556.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,802.81	3/4	4,067.55	3/4	4,321.08	3/4	4,560.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,808.36	10	4,072.98	10	4,326.23	10	4,565.80	10		10		10		10		10		10	
1/4	3,813.90	1/4	4,078.38	1/4	4,331.36	1/4	4,570.64	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.45	1/2	4,083.79	1/2	4,336.49	1/2	4,575.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.99	3/4	4,089.19	3/4	4,341.61	3/4	4,580.32	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,830.54	11	4,094.60	11	4,346.74	11	4,585.17	11		11		11		11		11		11	
1/4	3,836.08	1/4	4,099.98	1/4	4,351.85	1/4	4,589.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,841.63	1/2	4,105.36	1/2	4,356.96	1/2	4,594.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.18	3/4	4,110.74	3/4	4,362.06	3/4	4,599.63	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/20/2016 CL
CALCULATED: 05/20/2016 CL
PRINTED: 05/20/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "CTCo 345"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	14.76	0	380.83	0	769.38	0	1,157.53	0	1,546.04	0	1,934.61	0	2,323.17	0	2,711.74	0	3,100.30	0	3,488.74
1/4	19.25	1/4	388.92	1/4	777.48	1/4	1,165.62	1/4	1,554.14	1/4	1,942.70	1/4	2,331.27	1/4	2,719.83	1/4	3,108.40	1/4	3,496.83
1/2	23.75	1/2	397.02	1/2	785.57	1/2	1,173.70	1/2	1,562.23	1/2	1,950.80	1/2	2,339.36	1/2	2,727.93	1/2	3,116.49	1/2	3,504.92
3/4	28.25	3/4	405.11	3/4	793.67	3/4	1,181.79	3/4	1,570.33	3/4	1,958.89	3/4	2,347.46	3/4	2,736.02	3/4	3,124.59	3/4	3,513.01
1	32.75	1	413.21	1	801.76	1	1,189.88	1	1,578.43	1	1,966.99	1	2,355.55	1	2,744.12	1	3,132.68	1	3,521.11
1/4	39.04	1/4	421.30	1/4	809.86	1/4	1,197.97	1/4	1,586.52	1/4	1,975.09	1/4	2,363.65	1/4	2,752.21	1/4	3,140.78	1/4	3,529.20
1/2	45.34	1/2	429.39	1/2	817.95	1/2	1,206.06	1/2	1,594.62	1/2	1,983.18	1/2	2,371.74	1/2	2,760.31	1/2	3,148.87	1/2	3,537.29
3/4	51.63	3/4	437.49	3/4	826.05	3/4	1,214.15	3/4	1,602.71	3/4	1,991.28	3/4	2,379.84	3/4	2,768.40	3/4	3,156.97	3/4	3,545.38
2	57.93	2	445.58	2	834.14	2	1,222.24	2	1,610.81	2	1,999.37	2	2,387.94	2	2,776.50	2	3,165.06	2	3,553.47
1/4	65.80	1/4	453.68	1/4	842.23	1/4	1,230.34	1/4	1,618.90	1/4	2,007.47	1/4	2,396.03	1/4	2,784.60	1/4	3,173.16	1/4	3,561.56
1/2	73.67	1/2	461.77	1/2	850.33	1/2	1,238.43	1/2	1,627.00	1/2	2,015.56	1/2	2,404.13	1/2	2,792.69	1/2	3,181.25	1/2	3,569.65
3/4	81.54	3/4	469.87	3/4	858.42	3/4	1,246.53	3/4	1,635.09	3/4	2,023.66	3/4	2,412.22	3/4	2,800.79	3/4	3,189.35	3/4	3,577.74
3	89.41	3	477.96	3	866.52	3	1,254.62	3	1,643.19	3	2,031.75	3	2,420.32	3	2,808.88	3	3,197.45	3	3,585.83
1/4	97.50	1/4	486.06	1/4	874.61	1/4	1,262.72	1/4	1,651.28	1/4	2,039.85	1/4	2,428.41	1/4	2,816.98	1/4	3,205.54	1/4	3,593.93
1/2	105.60	1/2	494.15	1/2	882.71	1/2	1,270.81	1/2	1,659.38	1/2	2,047.94	1/2	2,436.51	1/2	2,825.07	1/2	3,213.64	1/2	3,602.02
3/4	113.69	3/4	502.25	3/4	890.80	3/4	1,278.91	3/4	1,667.47	3/4	2,056.04	3/4	2,444.60	3/4	2,833.17	3/4	3,221.73	3/4	3,610.11
4	121.79	4	510.34	4	898.90	4	1,287.00	4	1,675.57	4	2,064.13	4	2,452.70	4	2,841.26	4	3,229.83	4	3,618.20
1/4	129.88	1/4	518.44	1/4	906.98	1/4	1,295.10	1/4	1,683.66	1/4	2,072.23	1/4	2,460.79	1/4	2,849.36	1/4	3,237.92	1/4	3,626.29
1/2	137.98	1/2	526.53	1/2	915.06	1/2	1,303.19	1/2	1,691.76	1/2	2,080.32	1/2	2,468.89	1/2	2,857.45	1/2	3,246.01	1/2	3,634.38
3/4	146.07	3/4	534.63	3/4	923.15	3/4	1,311.29	3/4	1,699.85	3/4	2,088.42	3/4	2,476.98	3/4	2,865.55	3/4	3,254.10	3/4	3,642.47
5	154.17	5	542.72	5	931.23	5	1,319.38	5	1,707.95	5	2,096.51	5	2,485.08	5	2,873.64	5	3,262.19	5	3,650.56
1/4	162.26	1/4	550.82	1/4	939.31	1/4	1,327.48	1/4	1,716.04	1/4	2,104.61	1/4	2,493.17	1/4	2,881.74	1/4	3,270.28	1/4	3,658.65
1/2	170.36	1/2	558.91	1/2	947.39	1/2	1,335.57	1/2	1,724.14	1/2	2,112.70	1/2	2,501.27	1/2	2,889.83	1/2	3,278.37	1/2	3,666.74
3/4	178.45	3/4	567.01	3/4	955.47	3/4	1,343.67	3/4	1,732.23	3/4	2,120.80	3/4	2,509.36	3/4	2,897.93	3/4	3,286.46	3/4	3,674.84
6	186.55	6	575.10	6	963.56	6	1,351.76	6	1,740.33	6	2,128.89	6	2,517.46	6	2,906.02	6	3,294.55	6	3,682.93
1/4	194.64	1/4	583.20	1/4	971.64	1/4	1,359.86	1/4	1,748.42	1/4	2,136.99	1/4	2,525.55	1/4	2,914.12	1/4	3,302.65	1/4	3,691.02
1/2	202.74	1/2	591.29	1/2	979.72	1/2	1,367.95	1/2	1,756.52	1/2	2,145.08	1/2	2,533.65	1/2	2,922.21	1/2	3,310.74	1/2	3,699.11
3/4	210.83	3/4	599.39	3/4	987.80	3/4	1,376.05	3/4	1,764.61	3/4	2,153.18	3/4	2,541.74	3/4	2,930.31	3/4	3,318.83	3/4	3,707.20
7	218.93	7	607.48	7	995.88	7	1,384.14	7	1,772.71	7	2,161.27	7	2,549.84	7	2,938.40	7	3,326.92	7	3,715.29
1/4	227.02	1/4	615.58	1/4	1,003.97	1/4	1,392.24	1/4	1,780.80	1/4	2,169.37	1/4	2,557.93	1/4	2,946.50	1/4	3,335.01	1/4	3,723.38
1/2	235.12	1/2	623.67	1/2	1,012.05	1/2	1,400.33	1/2	1,788.90	1/2	2,177.46	1/2	2,566.03	1/2	2,954.59	1/2	3,343.10	1/2	3,731.47
3/4	243.21	3/4	631.77	3/4	1,020.13	3/4	1,408.43	3/4	1,796.99	3/4	2,185.56	3/4	2,574.12	3/4	2,962.69	3/4	3,351.19	3/4	3,739.56
8	251.31	8	639.86	8	1,028.21	8	1,416.52	8	1,805.09	8	2,193.65	8	2,582.22	8	2,970.78	8	3,359.28	8	3,747.66
1/4	259.40	1/4	647.96	1/4	1,036.29	1/4	1,424.62	1/4	1,813.18	1/4	2,201.75	1/4	2,590.31	1/4	2,978.88	1/4	3,367.37	1/4	3,755.75
1/2	267.50	1/2	656.05	1/2	1,044.38	1/2	1,432.71	1/2	1,821.28	1/2	2,209.84	1/2	2,598.41	1/2	2,986.97	1/2	3,375.47	1/2	3,763.84
3/4	275.59	3/4	664.15	3/4	1,052.46	3/4	1,440.81	3/4	1,829.37	3/4	2,217.94	3/4	2,606.50	3/4	2,995.07	3/4	3,383.56	3/4	3,771.93
9	283.69	9	672.24	9	1,060.54	9	1,448.90	9	1,837.47	9	2,226.03	9	2,614.60	9	3,003.16	9	3,391.65	9	3,780.02
1/4	291.78	1/4	680.34	1/4	1,068.62	1/4	1,457.00	1/4	1,845.56	1/4	2,234.13	1/4	2,622.69	1/4	3,011.26	1/4	3,399.74	1/4	3,788.11
1/2	299.88	1/2	688.43	1/2	1,076.71	1/2	1,465.09	1/2	1,853.66	1/2	2,242.22	1/2	2,630.79	1/2	3,019.35	1/2	3,407.83	1/2	3,796.20
3/4	307.97	3/4	696.53	3/4	1,084.79	3/4	1,473.19	3/4	1,861.75	3/4	2,250.32	3/4	2,638.88	3/4	3,027.45	3/4	3,415.92	3/4	3,804.29
10	316.07	10	704.62	10	1,092.87	10	1,481.28	10	1,869.85	10	2,258.41	10	2,646.98	10	3,035.54	10	3,424.01	10	3,812.38
1/4	324.16	1/4	712.72	1/4	1,100.95	1/4	1,489.38	1/4	1,877.94	1/4	2,266.51	1/4	2,655.07	1/4	3,043.64	1/4	3,432.10	1/4	3,820.48
1/2	332.26	1/2	720.81	1/2	1,109.03	1/2	1,497.47	1/2	1,886.04	1/2	2,274.60	1/2	2,663.17	1/2	3,051.73	1/2	3,440.19	1/2	3,828.57
3/4	340.35	3/4	728.91	3/4	1,117.12	3/4	1,505.57	3/4	1,894.13	3/4	2,282.70	3/4	2,671.26	3/4	3,059.83	3/4	3,448.29	3/4	3,836.66
11	348.45	11	737.00	11	1,125.20	11	1,513.66	11	1,902.23	11	2,290.79	11	2,679.36	11	3,067.92	11	3,456.38	11	3,844.75
1/4	356.54	1/4	745.10	1/4	1,133.28	1/4	1,521.76	1/4	1,910.32	1/4	2,298.89	1/4	2,687.45	1/4	3,076.02	1/4	3,464.47	1/4	3,852.84
1/2	364.64	1/2	753.19	1/2	1,141.36	1/2	1,529.85	1/2	1,918.42	1/2	2,306.98	1/2	2,695.55	1/2	3,084.11	1/2	3,472.56	1/2	3,860.93
3/4	372.73	3/4	761.29	3/4	1,149.44	3/4	1,537.95	3/4	1,926.51	3/4	2,315.08	3/4	2,703.64	3/4	3,092.21	3/4	3,480.65	3/4	3,869.02

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 2" DIAMETER OPENING ON "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD

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



BARGE "CTCo 345"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	3,877.11	0	4,265.49	0	4,650.86	0	5,022.72	0	5,379.31	0		0		0		0		0	
1/4	3,885.20	1/4	4,273.58	1/4	4,658.75	1/4	5,030.31	1/4	5,387.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,893.30	1/2	4,281.67	1/2	4,666.64	1/2	5,037.90	1/2	5,395.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,901.39	3/4	4,289.76	3/4	4,674.53	3/4	5,045.49	3/4	5,403.41	3/4		3/4		3/4		3/4		3/4	
1	3,909.48	1	4,297.85	1	4,682.43	1	5,053.08	1	5,411.45	1		1		1		1		1	
1/4	3,917.57	1/4	4,305.94	1/4	4,690.30	1/4	5,060.64	1/4	5,419.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,925.66	1/2	4,314.03	1/2	4,698.16	1/2	5,068.21	1/2	5,427.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,933.75	3/4	4,322.12	3/4	4,706.03	3/4	5,075.78	3/4	5,435.55	3/4		3/4		3/4		3/4		3/4	
2	3,941.84	2	4,330.22	2	4,713.90	2	5,083.34	2	5,443.58	2		2		2		2		2	
1/4	3,949.93	1/4	4,338.31	1/4	4,721.75	1/4	5,090.85	1/4	5,451.61	1/4		1/4		1/4		1/4		1/4	
1/2	3,958.02	1/2	4,346.40	1/2	4,729.59	1/2	5,098.35	1/2	5,459.65	1/2		1/2		1/2		1/2		1/2	
3/4	3,966.12	3/4	4,354.49	3/4	4,737.44	3/4	5,105.85	3/4	5,467.68	3/4		3/4		3/4		3/4		3/4	
3	3,974.21	3	4,362.58	3	4,745.28	3	5,113.35	3	5,475.72	3		3		3		3		3	
1/4	3,982.30	1/4	4,370.67	1/4	4,753.08	1/4	5,120.83	1/4	5,483.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,990.39	1/2	4,378.76	1/2	4,760.88	1/2	5,128.31	1/2	5,491.78	1/2		1/2		1/2		1/2		1/2	
3/4	3,998.48	3/4	4,386.85	3/4	4,768.68	3/4	5,135.79	3/4	5,499.82	3/4		3/4		3/4		3/4		3/4	
4	4,006.57	4	4,394.94	4	4,776.48	4	5,143.27	4	5,507.85	4		4		4		4		4	
1/4	4,014.66	1/4	4,403.02	1/4	4,784.26	1/4	5,150.73	1/4	5,514.98	1/4		1/4		1/4		1/4		1/4	
1/2	4,022.75	1/2	4,411.10	1/2	4,792.04	1/2	5,158.18	1/2	5,522.12	1/2		1/2		1/2		1/2		1/2	
3/4	4,030.84	3/4	4,419.18	3/4	4,799.81	3/4	5,165.64	3/4	5,529.25	3/4		3/4		3/4		3/4		3/4	
5	4,038.94	5	4,427.26	5	4,807.59	5	5,173.10	5	5,536.39	5		5		5		5		5	
1/4	4,047.03	1/4	4,435.31	1/4	4,815.34	1/4	5,180.53	1/4	5,541.72	1/4		1/4		1/4		1/4		1/4	
1/2	4,055.12	1/2	4,443.37	1/2	4,823.10	1/2	5,187.96	1/2	5,547.06	1/2		1/2		1/2		1/2		1/2	
3/4	4,063.21	3/4	4,451.43	3/4	4,830.85	3/4	5,195.40	3/4	5,552.39	3/4		3/4		3/4		3/4		3/4	
6	4,071.30	6	4,459.48	6	4,838.60	6	5,202.83	6	5,557.73	6		6		6		6		6	
1/4	4,079.39	1/4	4,467.51	1/4	4,846.33	1/4	5,210.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,087.48	1/2	4,475.55	1/2	4,854.06	1/2	5,217.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,095.57	3/4	4,483.58	3/4	4,861.79	3/4	5,225.06	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,103.66	7	4,491.61	7	4,869.52	7	5,232.47	7		7		7		7		7		7	
1/4	4,111.76	1/4	4,499.62	1/4	4,877.23	1/4	5,239.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,119.85	1/2	4,507.63	1/2	4,884.94	1/2	5,247.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,127.94	3/4	4,515.64	3/4	4,892.64	3/4	5,254.62	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,136.03	8	4,523.65	8	4,900.35	8	5,262.01	8		8		8		8		8		8	
1/4	4,144.12	1/4	4,531.63	1/4	4,908.03	1/4	5,269.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,152.21	1/2	4,539.62	1/2	4,915.72	1/2	5,276.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,160.30	3/4	4,547.61	3/4	4,923.40	3/4	5,284.11	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,168.39	9	4,555.59	9	4,931.08	9	5,291.48	9		9		9		9		9		9	
1/4	4,176.48	1/4	4,563.55	1/4	4,938.74	1/4	5,298.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,184.58	1/2	4,571.52	1/2	4,946.40	1/2	5,306.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,192.67	3/4	4,579.48	3/4	4,954.06	3/4	5,313.50	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,200.76	10	4,587.44	10	4,961.72	10	5,320.85	10		10		10		10		10		10	
1/4	4,208.85	1/4	4,595.38	1/4	4,969.36	1/4	5,328.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,216.94	1/2	4,603.32	1/2	4,976.99	1/2	5,335.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,225.03	3/4	4,611.26	3/4	4,984.63	3/4	5,342.81	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,233.12	11	4,619.20	11	4,992.27	11	5,350.13	11		11		11		11		11		11	
1/4	4,241.21	1/4	4,627.11	1/4	4,999.88	1/4	5,357.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,249.30	1/2	4,635.03	1/2	5,007.49	1/2	5,364.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,257.40	3/4	4,642.94	3/4	5,015.11	3/4	5,372.02	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/20/2016 CL
CALCULATED: 05/20/2016 CL
PRINTED: 05/20/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "CTCo 345"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	14.76	0	380.83	0	769.38	0	1,148.20	0	1,532.12	0	1,920.68	0	2,309.25	0	2,697.81	0	3,086.38	0	3,474.81
1/4	19.25	1/4	388.92	1/4	777.48	1/4	1,155.99	1/4	1,540.21	1/4	1,928.78	1/4	2,317.34	1/4	2,705.91	1/4	3,094.47	1/4	3,482.91
1/2	23.75	1/2	397.02	1/2	785.57	1/2	1,163.79	1/2	1,548.31	1/2	1,936.87	1/2	2,325.44	1/2	2,714.00	1/2	3,102.57	1/2	3,491.00
3/4	28.25	3/4	405.11	3/4	793.67	3/4	1,171.59	3/4	1,556.40	3/4	1,944.97	3/4	2,333.53	3/4	2,722.10	3/4	3,110.66	3/4	3,499.09
1	32.75	1	413.21	1	801.76	1	1,179.39	1	1,564.50	1	1,953.06	1	2,341.63	1	2,730.19	1	3,118.76	1	3,507.18
1/4	39.04	1/4	421.30	1/4	809.86	1/4	1,172.19	1/4	1,572.59	1/4	1,961.16	1/4	2,349.72	1/4	2,738.29	1/4	3,126.85	1/4	3,515.27
1/2	45.34	1/2	429.39	1/2	817.95	1/2	1,194.98	1/2	1,580.69	1/2	1,969.25	1/2	2,357.82	1/2	2,746.38	1/2	3,134.95	1/2	3,523.36
3/4	51.63	3/4	437.49	3/4	826.04	3/4	1,202.78	3/4	1,588.78	3/4	1,977.35	3/4	2,365.91	3/4	2,754.48	3/4	3,143.04	3/4	3,531.45
2	57.93	2	445.58	2	834.14	2	1,210.58	2	1,596.88	2	1,985.44	2	2,374.01	2	2,762.57	2	3,151.14	2	3,539.54
1/4	65.80	1/4	453.68	1/4	842.23	1/4	1,218.39	1/4	1,604.97	1/4	1,993.54	1/4	2,382.10	1/4	2,770.67	1/4	3,159.23	1/4	3,547.63
1/2	73.67	1/2	461.77	1/2	850.33	1/2	1,226.20	1/2	1,613.07	1/2	2,001.63	1/2	2,390.20	1/2	2,778.76	1/2	3,167.33	1/2	3,555.73
3/4	81.54	3/4	469.87	3/4	858.42	3/4	1,234.02	3/4	1,621.16	3/4	2,009.73	3/4	2,398.29	3/4	2,786.86	3/4	3,175.42	3/4	3,563.82
3	89.41	3	477.96	3	866.52	3	1,241.83	3	1,629.26	3	2,017.82	3	2,406.39	3	2,794.95	3	3,183.52	3	3,571.91
1/4	97.50	1/4	486.06	1/4	874.61	1/4	1,249.64	1/4	1,637.35	1/4	2,025.92	1/4	2,414.48	1/4	2,803.05	1/4	3,191.61	1/4	3,580.00
1/2	105.60	1/2	494.15	1/2	882.71	1/2	1,257.45	1/2	1,645.45	1/2	2,034.01	1/2	2,422.58	1/2	2,811.14	1/2	3,199.71	1/2	3,588.09
3/4	113.69	3/4	502.25	3/4	890.80	3/4	1,265.26	3/4	1,653.54	3/4	2,042.11	3/4	2,430.67	3/4	2,819.24	3/4	3,207.80	3/4	3,596.18
4	121.79	4	510.34	4	898.90	4	1,273.08	4	1,661.64	4	2,050.20	4	2,438.77	4	2,827.33	4	3,215.90	4	3,604.27
1/4	129.88	1/4	518.44	1/4	906.99	1/4	1,281.17	1/4	1,669.73	1/4	2,058.30	1/4	2,446.86	1/4	2,835.43	1/4	3,223.99	1/4	3,612.36
1/2	137.98	1/2	526.53	1/2	914.48	1/2	1,289.27	1/2	1,677.83	1/2	2,066.39	1/2	2,454.96	1/2	2,843.52	1/2	3,232.08	1/2	3,620.45
3/4	146.07	3/4	534.63	3/4	922.27	3/4	1,297.36	3/4	1,685.93	3/4	2,074.49	3/4	2,463.05	3/4	2,851.62	3/4	3,240.17	3/4	3,628.55
5	154.17	5	542.72	5	930.06	5	1,305.46	5	1,694.02	5	2,082.59	5	2,471.15	5	2,859.71	5	3,248.26	5	3,636.64
1/4	162.26	1/4	550.82	1/4	937.85	1/4	1,313.55	1/4	1,702.12	1/4	2,090.68	1/4	2,479.24	1/4	2,867.81	1/4	3,256.35	1/4	3,644.73
1/2	170.36	1/2	558.91	1/2	945.64	1/2	1,321.65	1/2	1,710.21	1/2	2,098.78	1/2	2,487.34	1/2	2,875.90	1/2	3,264.45	1/2	3,652.82
3/4	178.45	3/4	567.01	3/4	953.43	3/4	1,329.74	3/4	1,718.31	3/4	2,106.87	3/4	2,495.44	3/4	2,884.00	3/4	3,272.54	3/4	3,660.91
6	186.55	6	575.10	6	961.22	6	1,337.84	6	1,726.40	6	2,114.97	6	2,503.53	6	2,892.10	6	3,280.63	6	3,669.00
1/4	194.64	1/4	583.20	1/4	969.01	1/4	1,345.93	1/4	1,734.50	1/4	2,123.06	1/4	2,511.63	1/4	2,900.19	1/4	3,288.72	1/4	3,677.09
1/2	202.74	1/2	591.29	1/2	976.80	1/2	1,354.03	1/2	1,742.59	1/2	2,131.16	1/2	2,519.72	1/2	2,908.29	1/2	3,296.81	1/2	3,685.18
3/4	210.83	3/4	599.39	3/4	984.59	3/4	1,362.12	3/4	1,750.69	3/4	2,139.25	3/4	2,527.82	3/4	2,916.38	3/4	3,304.90	3/4	3,693.27
7	218.93	7	607.48	7	992.39	7	1,370.22	7	1,758.78	7	2,147.35	7	2,535.91	7	2,924.48	7	3,312.99	7	3,701.37
1/4	227.02	1/4	615.58	1/4	1,000.18	1/4	1,378.31	1/4	1,766.88	1/4	2,155.44	1/4	2,544.01	1/4	2,932.57	1/4	3,321.08	1/4	3,709.46
1/2	235.12	1/2	623.67	1/2	1,007.97	1/2	1,386.41	1/2	1,774.97	1/2	2,163.54	1/2	2,552.10	1/2	2,940.67	1/2	3,329.17	1/2	3,717.55
3/4	243.21	3/4	631.77	3/4	1,015.76	3/4	1,394.50	3/4	1,783.07	3/4	2,171.63	3/4	2,560.20	3/4	2,948.76	3/4	3,337.27	3/4	3,725.64
8	251.31	8	639.86	8	1,023.55	8	1,402.60	8	1,791.16	8	2,179.73	8	2,568.29	8	2,956.86	8	3,345.36	8	3,733.73
1/4	259.40	1/4	647.96	1/4	1,031.34	1/4	1,410.69	1/4	1,799.26	1/4	2,187.82	1/4	2,576.39	1/4	2,964.95	1/4	3,353.45	1/4	3,741.82
1/2	267.50	1/2	656.05	1/2	1,039.13	1/2	1,418.79	1/2	1,807.35	1/2	2,195.92	1/2	2,584.48	1/2	2,973.05	1/2	3,361.54	1/2	3,749.91
3/4	275.59	3/4	664.15	3/4	1,046.92	3/4	1,426.88	3/4	1,815.45	3/4	2,204.01	3/4	2,592.58	3/4	2,981.14	3/4	3,369.63	3/4	3,758.00
9	283.69	9	672.24	9	1,054.71	9	1,434.98	9	1,823.54	9	2,212.11	9	2,600.67	9	2,989.24	9	3,377.72	9	3,766.09
1/4	291.78	1/4	680.34	1/4	1,062.50	1/4	1,443.07	1/4	1,831.64	1/4	2,220.20	1/4	2,608.77	1/4	2,997.33	1/4	3,385.81	1/4	3,774.18
1/2	299.88	1/2	688.43	1/2	1,070.29	1/2	1,451.17	1/2	1,839.73	1/2	2,228.30	1/2	2,616.86	1/2	3,005.43	1/2	3,393.90	1/2	3,782.28
3/4	307.97	3/4	696.53	3/4	1,078.08	3/4	1,459.26	3/4	1,847.83	3/4	2,236.39	3/4	2,624.96	3/4	3,013.52	3/4	3,401.99	3/4	3,790.37
10	316.07	10	704.62	10	1,085.87	10	1,467.36	10	1,855.92	10	2,244.49	10	2,633.05	10	3,021.62	10	3,410.09	10	3,798.46
1/4	324.16	1/4	712.72	1/4	1,093.66	1/4	1,475.45	1/4	1,864.02	1/4	2,252.58	1/4	2,641.15	1/4	3,029.71	1/4	3,418.18	1/4	3,806.55
1/2	332.26	1/2	720.81	1/2	1,101.45	1/2	1,483.55	1/2	1,872.11	1/2	2,260.68	1/2	2,649.24	1/2	3,037.81	1/2	3,426.27	1/2	3,814.64
3/4	340.35	3/4	728.91	3/4	1,109.24	3/4	1,491.64	3/4	1,880.21	3/4	2,268.77	3/4	2,657.34	3/4	3,045.90	3/4	3,434.36	3/4	3,822.73
11	348.45	11	737.00	11	1,117.03	11	1,499.74	11	1,888.30	11	2,276.87	11	2,665.43	11	3,054.00	11	3,442.45	11	3,830.82
1/4	356.54	1/4	745.10	1/4	1,124.82	1/4	1,507.83	1/4	1,896.40	1/4	2,284.96	1/4	2,673.53	1/4	3,062.09	1/4	3,450.54	1/4	3,838.91
1/2	364.64	1/2	753.19	1/2	1,132.61	1/2	1,515.93	1/2	1,904.49	1/2	2,293.06	1/2	2,681.62	1/2	3,070.19	1/2	3,458.63	1/2	3,847.00
3/4	372.73	3/4	761.29	3/4	1,140.40	3/4	1,524.02	3/4	1,912.59	3/4	2,301.15	3/4	2,689.72	3/4	3,078.28	3/4	3,466.72	3/4	3,855.10

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 2" DIAMETER OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 51'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 345"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 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	3,863.19	0	4,251.56	0	4,636.93	0	5,008.79	0	5,365.39	0		0		0		0		0	
1/4	3,871.28	1/4	4,259.65	1/4	4,644.82	1/4	5,016.38	1/4	5,373.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,879.37	1/2	4,267.74	1/2	4,652.72	1/2	5,023.97	1/2	5,381.46	1/2		1/2		1/2		1/2		1/2	
3/4	3,887.46	3/4	4,275.83	3/4	4,660.61	3/4	5,031.56	3/4	5,389.49	3/4		3/4		3/4		3/4		3/4	
1	3,895.55	1	4,283.92	1	4,668.50	1	5,039.15	1	5,397.53	1		1		1		1		1	
1/4	3,903.64	1/4	4,292.02	1/4	4,676.37	1/4	5,046.72	1/4	5,405.56	1/4		1/4		1/4		1/4		1/4	
1/2	3,911.73	1/2	4,300.11	1/2	4,684.24	1/2	5,054.29	1/2	5,413.59	1/2		1/2		1/2		1/2		1/2	
3/4	3,919.82	3/4	4,308.20	3/4	4,692.11	3/4	5,061.85	3/4	5,421.63	3/4		3/4		3/4		3/4		3/4	
2	3,927.92	2	4,316.29	2	4,699.98	2	5,069.42	2	5,429.66	2		2		2		2		2	
1/4	3,936.01	1/4	4,324.38	1/4	4,707.82	1/4	5,076.92	1/4	5,437.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,944.10	1/2	4,332.47	1/2	4,715.67	1/2	5,084.42	1/2	5,445.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,952.19	3/4	4,340.56	3/4	4,723.51	3/4	5,091.93	3/4	5,453.76	3/4		3/4		3/4		3/4		3/4	
3	3,960.28	3	4,348.65	3	4,731.36	3	5,099.43	3	5,461.79	3		3		3		3		3	
1/4	3,968.37	1/4	4,356.74	1/4	4,739.16	1/4	5,106.91	1/4	5,469.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,976.46	1/2	4,364.84	1/2	4,746.96	1/2	5,114.39	1/2	5,477.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,984.55	3/4	4,372.93	3/4	4,754.76	3/4	5,121.87	3/4	5,485.89	3/4		3/4		3/4		3/4		3/4	
4	3,992.64	4	4,381.02	4	4,762.56	4	5,129.35	4	5,493.93	4		4		4		4		4	
1/4	4,000.74	1/4	4,389.10	1/4	4,770.33	1/4	5,136.80	1/4	5,501.06	1/4		1/4		1/4		1/4		1/4	
1/2	4,008.83	1/2	4,397.17	1/2	4,778.11	1/2	5,144.26	1/2	5,508.20	1/2		1/2		1/2		1/2		1/2	
3/4	4,016.92	3/4	4,405.25	3/4	4,785.89	3/4	5,151.72	3/4	5,515.33	3/4		3/4		3/4		3/4		3/4	
5	4,025.01	5	4,413.33	5	4,793.67	5	5,159.17	5	5,522.47	5		5		5		5		5	
1/4	4,033.10	1/4	4,421.39	1/4	4,801.42	1/4	5,166.61	1/4	5,527.80	1/4		1/4		1/4		1/4		1/4	
1/2	4,041.19	1/2	4,429.44	1/2	4,809.17	1/2	5,174.04	1/2	5,533.14	1/2		1/2		1/2		1/2		1/2	
3/4	4,049.28	3/4	4,437.50	3/4	4,816.93	3/4	5,181.47	3/4	5,538.47	3/4		3/4		3/4		3/4		3/4	
6	4,057.37	6	4,445.55	6	4,824.68	6	5,188.91	6	5,543.81	6		6		6		6		6	
1/4	4,065.46	1/4	4,453.59	1/4	4,832.41	1/4	5,196.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,073.56	1/2	4,461.62	1/2	4,840.14	1/2	5,203.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,081.65	3/4	4,469.65	3/4	4,847.87	3/4	5,211.13	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,089.74	7	4,477.69	7	4,855.60	7	5,218.54	7		7		7		7		7		7	
1/4	4,097.83	1/4	4,485.69	1/4	4,863.31	1/4	5,225.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,105.92	1/2	4,493.70	1/2	4,871.01	1/2	5,233.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,114.01	3/4	4,501.71	3/4	4,878.72	3/4	5,240.70	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,122.10	8	4,509.72	8	4,886.43	8	5,248.09	8		8		8		8		8		8	
1/4	4,130.19	1/4	4,517.71	1/4	4,894.11	1/4	5,255.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,138.28	1/2	4,525.69	1/2	4,901.79	1/2	5,262.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,146.38	3/4	4,533.68	3/4	4,909.47	3/4	5,270.19	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,154.47	9	4,541.66	9	4,917.16	9	5,277.55	9		9		9		9		9		9	
1/4	4,162.56	1/4	4,549.63	1/4	4,924.82	1/4	5,284.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,170.65	1/2	4,557.59	1/2	4,932.48	1/2	5,292.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,178.74	3/4	4,565.55	3/4	4,940.14	3/4	5,299.58	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,186.83	10	4,573.51	10	4,947.80	10	5,306.93	10		10		10		10		10		10	
1/4	4,194.92	1/4	4,581.45	1/4	4,955.43	1/4	5,314.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,203.01	1/2	4,589.39	1/2	4,963.07	1/2	5,321.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,211.10	3/4	4,597.33	3/4	4,970.71	3/4	5,328.89	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,219.20	11	4,605.27	11	4,978.34	11	5,336.21	11		11		11		11		11		11	
1/4	4,227.29	1/4	4,613.19	1/4	4,985.96	1/4	5,343.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,235.38	1/2	4,621.10	1/2	4,993.57	1/2	5,350.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,243.47	3/4	4,629.02	3/4	5,001.18	3/4	5,358.09	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/20/2016 CL
CALCULATED: 05/20/2016 CL
PRINTED: 05/20/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "CTCo 345"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

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	12.66	0	254.40	0	538.98	0	846.87	0	1,175.88	0	1,507.91	0	1,839.94	0	2,171.97	0	2,504.00	0	2,835.91
1/4	14.80	1/4	260.10	1/4	545.17	1/4	853.55	1/4	1,182.80	1/4	1,514.83	1/4	1,846.86	1/4	2,178.89	1/4	2,510.92	1/4	2,842.82
1/2	16.94	1/2	265.81	1/2	551.37	1/2	860.23	1/2	1,189.72	1/2	1,521.75	1/2	1,853.78	1/2	2,185.81	1/2	2,517.84	1/2	2,849.73
3/4	19.07	3/4	271.51	3/4	557.57	3/4	866.92	3/4	1,196.63	3/4	1,528.66	3/4	1,860.69	3/4	2,192.73	3/4	2,524.76	3/4	2,856.65
1	21.21	1	277.21	1	563.77	1	873.60	1	1,203.55	1	1,535.58	1	1,867.61	1	2,199.64	1	2,531.67	1	2,863.56
1/4	24.92	1/4	282.96	1/4	570.00	1/4	880.33	1/4	1,210.47	1/4	1,542.50	1/4	1,874.53	1/4	2,206.56	1/4	2,538.59	1/4	2,870.47
1/2	28.64	1/2	288.70	1/2	576.24	1/2	887.05	1/2	1,217.39	1/2	1,549.42	1/2	1,881.45	1/2	2,213.48	1/2	2,545.51	1/2	2,877.39
3/4	32.35	3/4	294.45	3/4	582.48	3/4	893.78	3/4	1,224.30	3/4	1,556.33	3/4	1,888.36	3/4	2,220.39	3/4	2,552.42	3/4	2,884.30
2	36.06	2	300.19	2	588.72	2	900.51	2	1,231.22	2	1,563.25	2	1,895.28	2	2,227.31	2	2,559.34	2	2,891.21
1/4	41.16	1/4	305.98	1/4	595.00	1/4	907.28	1/4	1,238.14	1/4	1,570.17	1/4	1,902.20	1/4	2,234.23	1/4	2,566.26	1/4	2,898.13
1/2	46.26	1/2	311.76	1/2	601.28	1/2	914.05	1/2	1,245.06	1/2	1,577.09	1/2	1,909.12	1/2	2,241.15	1/2	2,573.18	1/2	2,905.04
3/4	51.36	3/4	317.55	3/4	607.56	3/4	920.83	3/4	1,251.97	3/4	1,584.00	3/4	1,916.03	3/4	2,248.06	3/4	2,580.09	3/4	2,911.95
3	56.46	3	323.34	3	613.84	3	927.60	3	1,258.89	3	1,590.92	3	1,922.95	3	2,254.98	3	2,587.01	3	2,918.87
1/4	61.80	1/4	329.16	1/4	620.16	1/4	934.41	1/4	1,265.81	1/4	1,597.84	1/4	1,929.87	1/4	2,261.90	1/4	2,593.93	1/4	2,925.78
1/2	67.13	1/2	334.99	1/2	626.48	1/2	941.23	1/2	1,272.72	1/2	1,604.75	1/2	1,936.79	1/2	2,268.82	1/2	2,600.85	1/2	2,932.69
3/4	72.47	3/4	340.82	3/4	632.80	3/4	948.04	3/4	1,279.64	3/4	1,611.67	3/4	1,943.70	3/4	2,275.73	3/4	2,607.76	3/4	2,939.61
4	77.80	4	346.65	4	639.12	4	954.86	4	1,286.56	4	1,618.59	4	1,950.62	4	2,282.65	4	2,614.68	4	2,946.52
1/4	83.17	1/4	352.51	1/4	645.47	1/4	961.71	1/4	1,293.48	1/4	1,625.51	1/4	1,957.54	1/4	2,289.57	1/4	2,621.59	1/4	2,953.43
1/2	88.55	1/2	358.38	1/2	651.82	1/2	968.57	1/2	1,300.39	1/2	1,632.42	1/2	1,964.45	1/2	2,296.48	1/2	2,628.51	1/2	2,960.35
3/4	93.92	3/4	364.25	3/4	658.16	3/4	975.42	3/4	1,307.31	3/4	1,639.34	3/4	1,971.37	3/4	2,303.40	3/4	2,635.42	3/4	2,967.26
5	99.30	5	370.12	5	664.51	5	982.28	5	1,314.23	5	1,646.26	5	1,978.29	5	2,310.32	5	2,642.33	5	2,974.17
1/4	104.71	1/4	376.03	1/4	670.90	1/4	989.18	1/4	1,321.15	1/4	1,653.18	1/4	1,985.21	1/4	2,317.24	1/4	2,649.25	1/4	2,981.09
1/2	110.13	1/2	381.94	1/2	677.29	1/2	996.07	1/2	1,328.06	1/2	1,660.09	1/2	1,992.12	1/2	2,324.15	1/2	2,656.16	1/2	2,988.00
3/4	115.55	3/4	387.85	3/4	683.68	3/4	1,002.97	3/4	1,334.98	3/4	1,667.01	3/4	1,999.04	3/4	2,331.07	3/4	2,663.07	3/4	2,994.91
6	120.96	6	393.76	6	690.07	6	1,009.87	6	1,341.90	6	1,673.93	6	2,005.96	6	2,337.99	6	2,669.99	6	3,001.83
1/4	126.42	1/4	399.71	1/4	696.50	1/4	1,016.78	1/4	1,348.81	1/4	1,680.85	1/4	2,012.88	1/4	2,344.91	1/4	2,676.90	1/4	3,008.74
1/2	131.88	1/2	405.66	1/2	702.93	1/2	1,023.70	1/2	1,355.73	1/2	1,687.76	1/2	2,019.79	1/2	2,351.82	1/2	2,683.81	1/2	3,015.65
3/4	137.33	3/4	411.61	3/4	709.36	3/4	1,030.62	3/4	1,362.65	3/4	1,694.68	3/4	2,026.71	3/4	2,358.74	3/4	2,690.73	3/4	3,022.57
7	142.79	7	417.56	7	715.79	7	1,037.54	7	1,369.57	7	1,701.60	7	2,033.63	7	2,365.66	7	2,697.64	7	3,029.48
1/4	148.29	1/4	423.54	1/4	722.26	1/4	1,044.45	1/4	1,376.48	1/4	1,708.51	1/4	2,040.54	1/4	2,372.58	1/4	2,704.55	1/4	3,036.39
1/2	153.79	1/2	429.53	1/2	728.73	1/2	1,051.37	1/2	1,383.40	1/2	1,715.43	1/2	2,047.46	1/2	2,379.49	1/2	2,711.47	1/2	3,043.31
3/4	159.28	3/4	435.51	3/4	735.20	3/4	1,058.29	3/4	1,390.32	3/4	1,722.35	3/4	2,054.38	3/4	2,386.41	3/4	2,718.38	3/4	3,050.22
8	164.78	8	441.50	8	741.68	8	1,065.21	8	1,397.24	8	1,729.27	8	2,061.30	8	2,393.33	8	2,725.29	8	3,057.13
1/4	170.32	1/4	447.52	1/4	748.19	1/4	1,072.12	1/4	1,404.15	1/4	1,736.18	1/4	2,068.21	1/4	2,400.24	1/4	2,732.21	1/4	3,064.05
1/2	175.86	1/2	453.55	1/2	754.70	1/2	1,079.04	1/2	1,411.07	1/2	1,743.10	1/2	2,075.13	1/2	2,407.16	1/2	2,739.12	1/2	3,070.96
3/4	181.40	3/4	459.57	3/4	761.21	3/4	1,085.96	3/4	1,417.99	3/4	1,750.02	3/4	2,082.05	3/4	2,414.08	3/4	2,746.03	3/4	3,077.87
9	186.94	9	465.60	9	767.73	9	1,092.87	9	1,424.90	9	1,756.94	9	2,088.97	9	2,421.00	9	2,752.95	9	3,084.78
1/4	192.52	1/4	471.67	1/4	774.28	1/4	1,099.79	1/4	1,431.82	1/4	1,763.85	1/4	2,095.88	1/4	2,427.91	1/4	2,759.86	1/4	3,091.70
1/2	198.10	1/2	477.74	1/2	780.83	1/2	1,106.71	1/2	1,438.74	1/2	1,770.77	1/2	2,102.80	1/2	2,434.83	1/2	2,766.77	1/2	3,098.61
3/4	203.68	3/4	483.82	3/4	787.39	3/4	1,113.63	3/4	1,445.66	3/4	1,777.69	3/4	2,109.72	3/4	2,441.75	3/4	2,773.69	3/4	3,105.52
10	209.26	10	489.89	10	793.94	10	1,120.54	10	1,452.57	10	1,784.60	10	2,116.63	10	2,448.67	10	2,780.60	10	3,112.44
1/4	214.88	1/4	496.01	1/4	800.54	1/4	1,127.46	1/4	1,459.49	1/4	1,791.52	1/4	2,123.55	1/4	2,455.58	1/4	2,787.51	1/4	3,119.35
1/2	220.50	1/2	502.12	1/2	807.13	1/2	1,134.38	1/2	1,466.41	1/2	1,798.44	1/2	2,130.47	1/2	2,462.50	1/2	2,794.43	1/2	3,126.26
3/4	226.13	3/4	508.24	3/4	813.73	3/4	1,141.30	3/4	1,473.33	3/4	1,805.36	3/4	2,137.39	3/4	2,469.42	3/4	2,801.34	3/4	3,133.18
11	231.75	11	514.35	11	820.32	11	1,148.21	11	1,480.24	11	1,812.27	11	2,144.30	11	2,476.33	11	2,808.25	11	3,140.09
1/4	237.41	1/4	520.51	1/4	826.96	1/4	1,155.13	1/4	1,487.16	1/4	1,819.19	1/4	2,151.22	1/4	2,483.25	1/4	2,815.17	1/4	3,147.00
1/2	243.07	1/2	526.66	1/2	833.59	1/2	1,162.05	1/2	1,494.08	1/2	1,826.11	1/2	2,158.14	1/2	2,490.17	1/2	2,822.08	1/2	3,153.92
3/4	248.74	3/4	532.82	3/4	840.23	3/4	1,168.96	3/4	1,501.00	3/4	1,833.03	3/4	2,165.06	3/4	2,497.09	3/4	2,828.99	3/4	3,160.83

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 2" DIAMETER OPENING ON "HERMETIC" VALVE
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

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





BARGE "CTCo 345"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

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	3,167.74	0	3,499.58	0	3,828.85	0	4,146.47	0	4,450.77	0		0		0		0		0	
1/4	3,174.66	1/4	3,506.50	1/4	3,835.60	1/4	4,152.95	1/4	4,457.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,181.57	1/2	3,513.41	1/2	3,842.34	1/2	4,159.43	1/2	4,464.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,188.48	3/4	3,520.32	3/4	3,849.08	3/4	4,165.91	3/4	4,471.33	3/4		3/4		3/4		3/4		3/4	
1	3,195.40	1	3,527.24	1	3,855.83	1	4,172.39	1	4,478.19	1		1		1		1		1	
1/4	3,202.31	1/4	3,534.15	1/4	3,862.55	1/4	4,178.85	1/4	4,485.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,209.22	1/2	3,541.06	1/2	3,869.27	1/2	4,185.31	1/2	4,491.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,216.14	3/4	3,547.98	3/4	3,876.00	3/4	4,191.78	3/4	4,498.76	3/4		3/4		3/4		3/4		3/4	
2	3,223.05	2	3,554.89	2	3,882.72	2	4,198.24	2	4,505.61	2		2		2		2		2	
1/4	3,229.96	1/4	3,561.80	1/4	3,889.42	1/4	4,204.64	1/4	4,512.47	1/4		1/4		1/4		1/4		1/4	
1/2	3,236.88	1/2	3,568.72	1/2	3,896.13	1/2	4,211.04	1/2	4,519.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,243.79	3/4	3,575.63	3/4	3,902.83	3/4	4,217.44	3/4	4,526.18	3/4		3/4		3/4		3/4		3/4	
3	3,250.70	3	3,582.54	3	3,909.53	3	4,223.84	3	4,533.03	3		3		3		3		3	
1/4	3,257.62	1/4	3,589.46	1/4	3,916.20	1/4	4,230.23	1/4	4,539.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,264.53	1/2	3,596.37	1/2	3,922.86	1/2	4,236.61	1/2	4,546.75	1/2		1/2		1/2		1/2		1/2	
3/4	3,271.44	3/4	3,603.28	3/4	3,929.52	3/4	4,242.99	3/4	4,553.60	3/4		3/4		3/4		3/4		3/4	
4	3,278.36	4	3,610.20	4	3,936.18	4	4,249.37	4	4,560.46	4		4		4		4		4	
1/4	3,285.27	1/4	3,617.10	1/4	3,942.82	1/4	4,255.73	1/4	4,566.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,292.18	1/2	3,624.00	1/2	3,949.46	1/2	4,262.09	1/2	4,572.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,299.10	3/4	3,630.90	3/4	3,956.10	3/4	4,268.46	3/4	4,578.72	3/4		3/4		3/4		3/4		3/4	
5	3,306.01	5	3,637.80	5	3,962.75	5	4,274.82	5	4,584.81	5		5		5		5		5	
1/4	3,312.92	1/4	3,644.69	1/4	3,969.37	1/4	4,281.16	1/4	4,589.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,319.84	1/2	3,651.57	1/2	3,975.99	1/2	4,287.50	1/2	4,593.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,326.75	3/4	3,658.45	3/4	3,982.61	3/4	4,293.84	3/4	4,598.46	3/4		3/4		3/4		3/4		3/4	
6	3,333.66	6	3,665.34	6	3,989.23	6	4,300.18	6	4,603.01	6		6		6		6		6	
1/4	3,340.58	1/4	3,672.20	1/4	3,995.83	1/4	4,306.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,347.49	1/2	3,679.06	1/2	4,002.43	1/2	4,312.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,354.40	3/4	3,685.93	3/4	4,009.04	3/4	4,319.15	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,361.32	7	3,692.79	7	4,015.64	7	4,325.47	7		7		7		7		7		7	
1/4	3,368.23	1/4	3,699.63	1/4	4,022.22	1/4	4,331.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,375.14	1/2	3,706.48	1/2	4,028.80	1/2	4,338.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,382.06	3/4	3,713.32	3/4	4,035.38	3/4	4,344.37	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,388.97	8	3,720.16	8	4,041.96	8	4,350.68	8		8		8		8		8		8	
1/4	3,395.88	1/4	3,726.99	1/4	4,048.52	1/4	4,356.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,402.80	1/2	3,733.81	1/2	4,055.09	1/2	4,363.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,409.71	3/4	3,740.63	3/4	4,061.65	3/4	4,369.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,416.62	9	3,747.46	9	4,068.21	9	4,375.82	9		9		9		9		9		9	
1/4	3,423.54	1/4	3,754.26	1/4	4,074.75	1/4	4,382.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,430.45	1/2	3,761.06	1/2	4,081.29	1/2	4,388.35	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,437.36	3/4	3,767.87	3/4	4,087.83	3/4	4,394.62	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,444.28	10	3,774.67	10	4,094.37	10	4,400.88	10		10		10		10		10		10	
1/4	3,451.19	1/4	3,781.45	1/4	4,100.90	1/4	4,407.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,458.10	1/2	3,788.24	1/2	4,107.42	1/2	4,413.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,465.02	3/4	3,795.02	3/4	4,113.94	3/4	4,419.62	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,471.93	11	3,801.80	11	4,120.46	11	4,425.86	11		11		11		11		11		11	
1/4	3,478.84	1/4	3,808.56	1/4	4,126.96	1/4	4,432.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,485.76	1/2	3,815.33	1/2	4,133.46	1/2	4,438.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,492.67	3/4	3,822.09	3/4	4,139.96	3/4	4,444.54	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/20/2016 CL
CALCULATED: 05/20/2016 CL
PRINTED: 05/20/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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



BARGE "CTCo 345"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

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	12.66	0	254.40	0	539.04	0	845.75	0	1,174.23	0	1,506.27	0	1,838.30	0	2,170.34	0	2,502.37	0	2,834.28
1/4	14.80	1/4	260.10	1/4	545.24	1/4	852.39	1/4	1,181.15	1/4	1,513.18	1/4	1,845.22	1/4	2,177.26	1/4	2,509.29	1/4	2,841.20
1/2	16.94	1/2	265.81	1/2	551.43	1/2	859.04	1/2	1,188.07	1/2	1,520.10	1/2	1,852.14	1/2	2,184.17	1/2	2,516.21	1/2	2,848.11
3/4	19.07	3/4	271.51	3/4	557.63	3/4	865.69	3/4	1,194.98	3/4	1,527.02	3/4	1,859.05	3/4	2,191.09	3/4	2,523.13	3/4	2,855.02
1	21.21	1	277.21	1	563.83	1	872.33	1	1,201.90	1	1,533.94	1	1,865.97	1	2,198.01	1	2,530.04	1	2,861.94
1/4	24.92	1/4	282.96	1/4	570.07	1/4	879.02	1/4	1,208.82	1/4	1,540.85	1/4	1,872.89	1/4	2,204.92	1/4	2,536.96	1/4	2,868.85
1/2	28.64	1/2	288.70	1/2	576.31	1/2	885.71	1/2	1,215.74	1/2	1,547.77	1/2	1,879.81	1/2	2,211.84	1/2	2,543.88	1/2	2,875.76
3/4	32.35	3/4	294.45	3/4	582.54	3/4	892.40	3/4	1,222.65	3/4	1,554.69	3/4	1,886.72	3/4	2,218.76	3/4	2,550.79	3/4	2,882.68
2	36.06	2	300.19	2	588.78	2	899.09	2	1,229.57	2	1,561.61	2	1,893.64	2	2,225.68	2	2,557.71	2	2,889.59
1/4	41.16	1/4	305.98	1/4	595.06	1/4	905.83	1/4	1,236.49	1/4	1,568.52	1/4	1,900.56	1/4	2,232.59	1/4	2,564.63	1/4	2,896.50
1/2	46.26	1/2	311.76	1/2	601.34	1/2	912.58	1/2	1,243.41	1/2	1,575.44	1/2	1,907.48	1/2	2,239.51	1/2	2,571.55	1/2	2,903.42
3/4	51.36	3/4	317.55	3/4	607.62	3/4	919.32	3/4	1,250.32	3/4	1,582.36	3/4	1,914.39	3/4	2,246.43	3/4	2,578.46	3/4	2,910.33
3	56.46	3	323.34	3	613.90	3	926.06	3	1,257.24	3	1,589.28	3	1,921.31	3	2,253.35	3	2,585.38	3	2,917.25
1/4	61.80	1/4	329.16	1/4	620.22	1/4	932.85	1/4	1,264.16	1/4	1,596.19	1/4	1,928.23	1/4	2,260.26	1/4	2,592.30	1/4	2,924.16
1/2	67.13	1/2	334.99	1/2	626.54	1/2	939.63	1/2	1,271.08	1/2	1,603.11	1/2	1,935.15	1/2	2,267.18	1/2	2,599.22	1/2	2,931.07
3/4	72.47	3/4	340.82	3/4	632.86	3/4	946.42	3/4	1,277.99	3/4	1,610.03	3/4	1,942.06	3/4	2,274.10	3/4	2,606.13	3/4	2,937.99
4	77.80	4	346.65	4	639.18	4	953.20	4	1,284.91	4	1,616.95	4	1,948.98	4	2,281.02	4	2,613.05	4	2,944.90
1/4	83.17	1/4	352.51	1/4	645.50	1/4	960.06	1/4	1,291.83	1/4	1,623.86	1/4	1,955.90	1/4	2,287.93	1/4	2,619.96	1/4	2,951.81
1/2	88.55	1/2	358.38	1/2	651.81	1/2	966.92	1/2	1,298.75	1/2	1,630.78	1/2	1,962.82	1/2	2,294.85	1/2	2,626.88	1/2	2,958.73
3/4	93.92	3/4	364.25	3/4	658.12	3/4	973.77	3/4	1,305.66	3/4	1,637.70	3/4	1,969.73	3/4	2,301.77	3/4	2,633.79	3/4	2,965.64
5	99.30	5	370.12	5	664.43	5	980.63	5	1,312.58	5	1,644.62	5	1,976.65	5	2,308.69	5	2,640.71	5	2,972.55
1/4	104.71	1/4	376.03	1/4	670.78	1/4	987.52	1/4	1,319.50	1/4	1,651.53	1/4	1,983.57	1/4	2,315.60	1/4	2,647.62	1/4	2,979.47
1/2	110.13	1/2	381.94	1/2	677.13	1/2	994.42	1/2	1,326.41	1/2	1,658.45	1/2	1,990.49	1/2	2,322.52	1/2	2,654.53	1/2	2,986.38
3/4	115.55	3/4	387.85	3/4	683.49	3/4	1,001.32	3/4	1,333.33	3/4	1,665.37	3/4	1,997.40	3/4	2,329.44	3/4	2,661.45	3/4	2,993.29
6	120.96	6	393.76	6	689.84	6	1,008.21	6	1,340.25	6	1,672.28	6	2,004.32	6	2,336.36	6	2,668.36	6	3,000.21
1/4	126.42	1/4	399.71	1/4	696.23	1/4	1,015.13	1/4	1,347.17	1/4	1,679.20	1/4	2,011.24	1/4	2,343.27	1/4	2,675.27	1/4	3,007.12
1/2	131.88	1/2	405.66	1/2	702.62	1/2	1,022.05	1/2	1,354.08	1/2	1,686.12	1/2	2,018.15	1/2	2,350.19	1/2	2,682.19	1/2	3,014.03
3/4	137.33	3/4	411.61	3/4	709.02	3/4	1,028.97	3/4	1,361.00	3/4	1,693.04	3/4	2,025.07	3/4	2,357.11	3/4	2,689.10	3/4	3,020.95
7	142.79	7	417.56	7	715.41	7	1,035.88	7	1,367.92	7	1,699.95	7	2,031.99	7	2,364.02	7	2,696.01	7	3,027.86
1/4	148.29	1/4	423.55	1/4	721.85	1/4	1,042.80	1/4	1,374.84	1/4	1,706.87	1/4	2,038.91	1/4	2,370.94	1/4	2,702.93	1/4	3,034.77
1/2	153.79	1/2	429.54	1/2	728.28	1/2	1,049.72	1/2	1,381.75	1/2	1,713.79	1/2	2,045.82	1/2	2,377.86	1/2	2,709.84	1/2	3,041.69
3/4	159.28	3/4	435.53	3/4	734.71	3/4	1,056.64	3/4	1,388.67	3/4	1,720.71	3/4	2,052.74	3/4	2,384.78	3/4	2,716.75	3/4	3,048.60
8	164.78	8	441.53	8	741.15	8	1,063.55	8	1,395.59	8	1,727.62	8	2,059.66	8	2,391.69	8	2,723.67	8	3,055.52
1/4	170.32	1/4	447.56	1/4	747.62	1/4	1,070.47	1/4	1,402.51	1/4	1,734.54	1/4	2,066.58	1/4	2,398.61	1/4	2,730.58	1/4	3,062.43
1/2	175.86	1/2	453.59	1/2	754.10	1/2	1,077.39	1/2	1,409.42	1/2	1,741.46	1/2	2,073.49	1/2	2,405.53	1/2	2,737.49	1/2	3,069.34
3/4	181.40	3/4	459.62	3/4	760.58	3/4	1,084.31	3/4	1,416.34	3/4	1,748.38	3/4	2,080.41	3/4	2,412.45	3/4	2,744.41	3/4	3,076.26
9	186.94	9	465.66	9	767.05	9	1,091.22	9	1,423.26	9	1,755.29	9	2,087.33	9	2,419.36	9	2,751.32	9	3,083.17
1/4	192.52	1/4	471.73	1/4	773.57	1/4	1,098.14	1/4	1,430.18	1/4	1,762.21	1/4	2,094.25	1/4	2,426.28	1/4	2,758.23	1/4	3,090.08
1/2	198.10	1/2	477.81	1/2	780.08	1/2	1,105.06	1/2	1,437.09	1/2	1,769.13	1/2	2,101.16	1/2	2,433.20	1/2	2,765.15	1/2	3,097.00
3/4	203.68	3/4	483.88	3/4	786.60	3/4	1,111.98	3/4	1,444.01	3/4	1,776.05	3/4	2,108.08	3/4	2,440.12	3/4	2,772.06	3/4	3,103.91
10	209.26	10	489.95	10	793.12	10	1,118.89	10	1,450.93	10	1,782.96	10	2,115.00	10	2,447.03	10	2,778.98	10	3,110.82
1/4	214.88	1/4	496.07	1/4	799.68	1/4	1,125.81	1/4	1,457.85	1/4	1,789.88	1/4	2,121.92	1/4	2,453.95	1/4	2,785.89	1/4	3,117.74
1/2	220.50	1/2	502.18	1/2	806.23	1/2	1,132.73	1/2	1,464.76	1/2	1,796.80	1/2	2,128.83	1/2	2,460.87	1/2	2,792.80	1/2	3,124.65
3/4	226.13	3/4	508.30	3/4	812.79	3/4	1,139.65	3/4	1,471.68	3/4	1,803.72	3/4	2,135.75	3/4	2,467.79	3/4	2,799.72	3/4	3,131.56
11	231.75	11	514.41	11	819.35	11	1,146.56	11	1,478.60	11	1,810.63	11	2,142.67	11	2,474.70	11	2,806.63	11	3,138.48
1/4	237.41	1/4	520.57	1/4	825.95	1/4	1,153.48	1/4	1,485.52	1/4	1,817.55	1/4	2,149.59	1/4	2,481.62	1/4	2,813.54	1/4	3,145.39
1/2	243.07	1/2	526.73	1/2	832.55	1/2	1,160.40	1/2	1,492.43	1/2	1,824.47	1/2	2,156.50	1/2	2,488.54	1/2	2,820.46	1/2	3,152.30
3/4	248.74	3/4	532.88	3/4	839.15	3/4	1,167.31	3/4	1,499.35	3/4	1,831.39	3/4	2,163.42	3/4	2,495.46	3/4	2,827.37	3/4	3,159.22

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 2" DIAMETER OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CTCo 345"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-07"

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	3,166.13	0	3,497.98	0	3,827.25	0	4,144.87	0	4,449.18	0		0		0		0		0	
1/4	3,173.04	1/4	3,504.89	1/4	3,834.00	1/4	4,151.35	1/4	4,456.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,179.96	1/2	3,511.81	1/2	3,840.74	1/2	4,157.83	1/2	4,462.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,186.87	3/4	3,518.72	3/4	3,847.48	3/4	4,164.32	3/4	4,469.74	3/4		3/4		3/4		3/4		3/4	
1	3,193.79	1	3,525.63	1	3,854.23	1	4,170.80	1	4,476.60	1		1		1		1		1	
1/4	3,200.70	1/4	3,532.55	1/4	3,860.95	1/4	4,177.26	1/4	4,483.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,207.61	1/2	3,539.46	1/2	3,867.67	1/2	4,183.72	1/2	4,490.31	1/2		1/2		1/2		1/2		1/2	
3/4	3,214.53	3/4	3,546.37	3/4	3,874.40	3/4	4,190.18	3/4	4,497.17	3/4		3/4		3/4		3/4		3/4	
2	3,221.44	2	3,553.29	2	3,881.12	2	4,196.64	2	4,504.02	2		2		2		2		2	
1/4	3,228.35	1/4	3,560.20	1/4	3,887.82	1/4	4,203.05	1/4	4,510.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,235.27	1/2	3,567.11	1/2	3,894.53	1/2	4,209.45	1/2	4,517.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,242.18	3/4	3,574.03	3/4	3,901.23	3/4	4,215.85	3/4	4,524.59	3/4		3/4		3/4		3/4		3/4	
3	3,249.09	3	3,580.94	3	3,907.93	3	4,222.25	3	4,531.45	3		3		3		3		3	
1/4	3,256.01	1/4	3,587.85	1/4	3,914.60	1/4	4,228.63	1/4	4,538.30	1/4		1/4		1/4		1/4		1/4	
1/2	3,262.92	1/2	3,594.77	1/2	3,921.26	1/2	4,235.01	1/2	4,545.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,269.83	3/4	3,601.68	3/4	3,927.92	3/4	4,241.40	3/4	4,552.01	3/4		3/4		3/4		3/4		3/4	
4	3,276.75	4	3,608.60	4	3,934.58	4	4,247.78	4	4,558.87	4		4		4		4		4	
1/4	3,283.66	1/4	3,615.50	1/4	3,941.22	1/4	4,254.14	1/4	4,564.96	1/4		1/4		1/4		1/4		1/4	
1/2	3,290.57	1/2	3,622.40	1/2	3,947.86	1/2	4,260.50	1/2	4,571.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,297.49	3/4	3,629.30	3/4	3,954.51	3/4	4,266.86	3/4	4,577.14	3/4		3/4		3/4		3/4		3/4	
5	3,304.40	5	3,636.20	5	3,961.15	5	4,273.22	5	4,583.22	5		5		5		5		5	
1/4	3,311.31	1/4	3,643.08	1/4	3,967.77	1/4	4,279.57	1/4	4,587.77	1/4		1/4		1/4		1/4		1/4	
1/2	3,318.23	1/2	3,649.97	1/2	3,974.39	1/2	4,285.91	1/2	4,592.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,325.14	3/4	3,656.85	3/4	3,981.01	3/4	4,292.25	3/4	4,596.87	3/4		3/4		3/4		3/4		3/4	
6	3,332.06	6	3,663.73	6	3,987.63	6	4,298.59	6	4,601.42	6		6		6		6		6	
1/4	3,338.97	1/4	3,670.60	1/4	3,994.23	1/4	4,304.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,345.88	1/2	3,677.46	1/2	4,000.84	1/2	4,311.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,352.80	3/4	3,684.32	3/4	4,007.44	3/4	4,317.56	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,359.71	7	3,691.19	7	4,014.04	7	4,323.88	7		7		7		7		7		7	
1/4	3,366.62	1/4	3,698.03	1/4	4,020.62	1/4	4,330.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,373.54	1/2	3,704.87	1/2	4,027.20	1/2	4,336.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,380.45	3/4	3,711.72	3/4	4,033.78	3/4	4,342.78	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,387.36	8	3,718.56	8	4,040.37	8	4,349.08	8		8		8		8		8		8	
1/4	3,394.28	1/4	3,725.38	1/4	4,046.93	1/4	4,355.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,401.19	1/2	3,732.21	1/2	4,053.49	1/2	4,361.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,408.10	3/4	3,739.03	3/4	4,060.05	3/4	4,367.94	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,415.02	9	3,745.85	9	4,066.61	9	4,374.23	9		9		9		9		9		9	
1/4	3,421.93	1/4	3,752.66	1/4	4,073.15	1/4	4,380.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,428.84	1/2	3,759.46	1/2	4,079.70	1/2	4,386.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,435.76	3/4	3,766.26	3/4	4,086.24	3/4	4,393.03	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,442.67	10	3,773.07	10	4,092.78	10	4,399.29	10		10		10		10		10		10	
1/4	3,449.58	1/4	3,779.85	1/4	4,099.30	1/4	4,405.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,456.50	1/2	3,786.63	1/2	4,105.82	1/2	4,411.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,463.41	3/4	3,793.42	3/4	4,112.34	3/4	4,418.03	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,470.33	11	3,800.20	11	4,118.86	11	4,424.27	11		11		11		11		11		11	
1/4	3,477.24	1/4	3,806.96	1/4	4,125.37	1/4	4,430.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,484.15	1/2	3,813.73	1/2	4,131.87	1/2	4,436.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,491.07	3/4	3,820.49	3/4	4,138.37	3/4	4,442.95	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/20/2016 CL
CALCULATED: 05/20/2016 CL
PRINTED: 05/20/2016 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2016

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