



# BARGE "CTCO 254"

## 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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-1/2	- 00-1/2
1 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	00-1/2	- 00-1/2	00-1/2	- 00-1/2
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/2	- 00-1/2	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	00-1/4	- 00-1/4	00-1/2	- 00-1/2	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 1 PORT IS - 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 252'-09"

July 31, 2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



**BARGE "CTCO 254"**

**1 PORT  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

Table with 18 columns (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.) and 34 rows of capacity data.

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" HERMETIC CLOSED GAUGING VALVE. GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" 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 "CTCO 254"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	3,328.43	0	3,660.44	0	3,992.45	0	4,324.01	0	4,644.40	0	4,947.01	0		0		0		0	
1/4	3,335.35	1/4	3,667.36	1/4	3,999.36	1/4	4,330.84	1/4	4,650.87	1/4	4,953.13	1/4	1/4	1/4		1/4		1/4	
1/2	3,342.27	1/2	3,674.27	1/2	4,006.28	1/2	4,337.67	1/2	4,657.33	1/2	4,959.26	1/2	1/2	1/2		1/2		1/2	
3/4	3,349.19	3/4	3,681.19	3/4	4,013.20	3/4	4,344.49	3/4	4,663.80	3/4	4,965.38	3/4	3/4	3/4		3/4		3/4	
1	3,356.10	1	3,688.11	1	4,020.11	1	4,351.32	1	4,670.26	1	4,971.50	1	1	1		1		1	
1/4	3,363.02	1/4	3,695.03	1/4	4,027.03	1/4	4,358.12	1/4	4,676.69	1/4	4,977.60	1/4	1/4	1/4		1/4		1/4	
1/2	3,369.94	1/2	3,701.94	1/2	4,033.95	1/2	4,364.92	1/2	4,683.12	1/2	4,983.70	1/2	1/2	1/2		1/2		1/2	
3/4	3,376.85	3/4	3,708.86	3/4	4,040.87	3/4	4,371.72	3/4	4,689.55	3/4	4,989.79	3/4	3/4	3/4		3/4		3/4	
2	3,383.77	2	3,715.78	2	4,047.78	2	4,378.52	2	4,695.97	2	4,995.89	2	2	2		2		2	
1/4	3,390.69	1/4	3,722.69	1/4	4,054.70	1/4	4,385.29	1/4	4,702.37	1/4	5,001.96	1/4	1/4	1/4		1/4		1/4	
1/2	3,397.60	1/2	3,729.61	1/2	4,061.62	1/2	4,392.06	1/2	4,708.77	1/2	5,008.02	1/2	1/2	1/2		1/2		1/2	
3/4	3,404.52	3/4	3,736.53	3/4	4,068.53	3/4	4,398.83	3/4	4,715.18	3/4	5,014.09	3/4	3/4	3/4		3/4		3/4	
3	3,411.44	3	3,743.44	3	4,075.45	3	4,405.60	3	4,721.58	3	5,020.16	3	3	3		3		3	
1/4	3,418.35	1/4	3,750.36	1/4	4,082.37	1/4	4,412.35	1/4	4,727.95	1/4	5,026.16	1/4	1/4	1/4		1/4		1/4	
1/2	3,425.27	1/2	3,757.28	1/2	4,089.28	1/2	4,419.09	1/2	4,734.32	1/2	5,032.16	1/2	1/2	1/2		1/2		1/2	
3/4	3,432.19	3/4	3,764.19	3/4	4,096.20	3/4	4,425.83	3/4	4,740.69	3/4	5,038.16	3/4	3/4	3/4		3/4		3/4	
4	3,439.10	4	3,771.11	4	4,103.12	4	4,432.58	4	4,747.07	4	5,044.16	4	4	4		4		4	
1/4	3,446.02	1/4	3,778.03	1/4	4,110.03	1/4	4,439.29	1/4	4,753.41	1/4	5,050.12	1/4	1/4	1/4		1/4		1/4	
1/2	3,452.94	1/2	3,784.94	1/2	4,116.95	1/2	4,446.01	1/2	4,759.76	1/2	5,056.07	1/2	1/2	1/2		1/2		1/2	
3/4	3,459.85	3/4	3,791.86	3/4	4,123.87	3/4	4,452.73	3/4	4,766.10	3/4	5,062.03	3/4	3/4	3/4		3/4		3/4	
5	3,466.77	5	3,798.78	5	4,130.78	5	4,459.44	5	4,772.45	5	5,067.99	5	5	5		5		5	
1/4	3,473.69	1/4	3,805.69	1/4	4,137.70	1/4	4,466.13	1/4	4,778.76	1/4	5,073.92	1/4	1/4	1/4		1/4		1/4	
1/2	3,480.60	1/2	3,812.61	1/2	4,144.62	1/2	4,472.82	1/2	4,785.08	1/2	5,079.85	1/2	1/2	1/2		1/2		1/2	
3/4	3,487.52	3/4	3,819.53	3/4	4,151.53	3/4	4,479.51	3/4	4,791.40	3/4	5,085.78	3/4	3/4	3/4		3/4		3/4	
6	3,494.44	6	3,826.44	6	4,158.45	6	4,486.20	6	4,797.71	6	5,091.71	6	6	6		6		6	
1/4	3,501.35	1/4	3,833.36	1/4	4,165.37	1/4	4,492.86	1/4	4,804.00	1/4	5,097.62	1/4	1/4	1/4		1/4		1/4	
1/2	3,508.27	1/2	3,840.28	1/2	4,172.28	1/2	4,499.52	1/2	4,810.29	1/2	5,103.52	1/2	1/2	1/2		1/2		1/2	
3/4	3,515.19	3/4	3,847.19	3/4	4,179.20	3/4	4,506.18	3/4	4,816.58	3/4	5,109.43	3/4	3/4	3/4		3/4		3/4	
7	3,522.11	7	3,854.11	7	4,186.12	7	4,512.84	7	4,822.87	7	5,115.33	7	7	7		7		7	
1/4	3,529.02	1/4	3,861.03	1/4	4,193.03	1/4	4,519.47	1/4	4,829.14	1/4	5,120.69	1/4	1/4	1/4		1/4		1/4	
1/2	3,535.94	1/2	3,867.95	1/2	4,199.95	1/2	4,526.11	1/2	4,835.40	1/2	5,126.05	1/2	1/2	1/2		1/2		1/2	
3/4	3,542.86	3/4	3,874.86	3/4	4,206.87	3/4	4,532.74	3/4	4,841.66	3/4	5,131.40	3/4	3/4	3/4		3/4		3/4	
8	3,549.77	8	3,881.78	8	4,213.79	8	4,539.37	8	4,847.92	8	5,136.76	8	8	8		8		8	
1/4	3,556.69	1/4	3,888.70	1/4	4,220.70	1/4	4,545.98	1/4	4,854.16	1/4	5,141.65	1/4	1/4	1/4		1/4		1/4	
1/2	3,563.61	1/2	3,895.61	1/2	4,227.62	1/2	4,552.59	1/2	4,860.39	1/2	5,146.53	1/2	1/2	1/2		1/2		1/2	
3/4	3,570.52	3/4	3,902.53	3/4	4,234.54	3/4	4,559.19	3/4	4,866.62	3/4		3/4	3/4	3/4		3/4		3/4	
9	3,577.44	9	3,909.45	9	4,241.45	9	4,565.80	9	4,872.86	9		9	9	9		9		9	
1/4	3,584.36	1/4	3,916.36	1/4	4,248.36	1/4	4,572.38	1/4	4,879.07	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,591.27	1/2	3,923.28	1/2	4,255.26	1/2	4,578.95	1/2	4,885.27	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,598.19	3/4	3,930.20	3/4	4,262.16	3/4	4,585.53	3/4	4,891.48	3/4		3/4	3/4	3/4		3/4		3/4	
10	3,605.11	10	3,937.11	10	4,269.07	10	4,592.11	10	4,897.69	10		10	10	10		10		10	
1/4	3,612.02	1/4	3,944.03	1/4	4,275.95	1/4	4,598.66	1/4	4,903.87	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,618.94	1/2	3,950.95	1/2	4,282.83	1/2	4,605.21	1/2	4,910.04	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,625.86	3/4	3,957.86	3/4	4,289.71	3/4	4,611.76	3/4	4,916.22	3/4		3/4	3/4	3/4		3/4		3/4	
11	3,632.77	11	3,964.78	11	4,296.59	11	4,618.31	11	4,922.40	11		11	11	11		11		11	
1/4	3,639.69	1/4	3,971.70	1/4	4,303.45	1/4	4,624.83	1/4	4,928.55	1/4		1/4	1/4	1/4		1/4		1/4	
1/2	3,646.61	1/2	3,978.61	1/2	4,310.30	1/2	4,631.36	1/2	4,934.71	1/2		1/2	1/2	1/2		1/2		1/2	
3/4	3,653.52	3/4	3,985.53	3/4	4,317.16	3/4	4,637.88	3/4	4,940.86	3/4		3/4	3/4	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 SW  
CALCULATED: 08/01/2013 CL  
PRINTED: 08/02/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

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





# BARGE "CTCO 254"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 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	3,323.42	0	3,655.11	0	3,986.80	0	4,318.05	0	4,638.13	0	4,940.45	0		0		0		0	
1/4	3,330.33	1/4	3,662.02	1/4	3,993.71	1/4	4,324.87	1/4	4,644.59	1/4	4,946.56	1/4		1/4		1/4		1/4	
1/2	3,337.25	1/2	3,668.93	1/2	4,000.62	1/2	4,331.69	1/2	4,651.05	1/2	4,952.68	1/2		1/2		1/2		1/2	
3/4	3,344.16	3/4	3,675.84	3/4	4,007.53	3/4	4,338.51	3/4	4,657.51	3/4	4,958.80	3/4		3/4		3/4		3/4	
1	3,351.07	1	3,682.76	1	4,014.44	1	4,345.33	1	4,663.97	1	4,964.92	1		1		1		1	
1/4	3,357.98	1/4	3,689.67	1/4	4,021.35	1/4	4,352.12	1/4	4,670.39	1/4	4,971.01	1/4		1/4		1/4		1/4	
1/2	3,364.89	1/2	3,696.58	1/2	4,028.27	1/2	4,358.91	1/2	4,676.81	1/2	4,977.10	1/2		1/2		1/2		1/2	
3/4	3,371.80	3/4	3,703.49	3/4	4,035.18	3/4	4,365.71	3/4	4,683.23	3/4	4,983.19	3/4		3/4		3/4		3/4	
2	3,378.71	2	3,710.40	2	4,042.09	2	4,372.50	2	4,689.65	2	4,989.28	2		2		2		2	
1/4	3,385.62	1/4	3,717.31	1/4	4,049.00	1/4	4,379.26	1/4	4,696.05	1/4	4,995.34	1/4		1/4		1/4		1/4	
1/2	3,392.53	1/2	3,724.22	1/2	4,055.91	1/2	4,386.03	1/2	4,702.44	1/2	5,001.40	1/2		1/2		1/2		1/2	
3/4	3,399.44	3/4	3,731.13	3/4	4,062.82	3/4	4,392.80	3/4	4,708.84	3/4	5,007.47	3/4		3/4		3/4		3/4	
3	3,406.35	3	3,738.04	3	4,069.73	3	4,399.56	3	4,715.23	3	5,013.53	3		3		3		3	
1/4	3,413.26	1/4	3,744.95	1/4	4,076.64	1/4	4,406.30	1/4	4,721.60	1/4	5,019.52	1/4		1/4		1/4		1/4	
1/2	3,420.17	1/2	3,751.86	1/2	4,083.55	1/2	4,413.04	1/2	4,727.96	1/2	5,025.52	1/2		1/2		1/2		1/2	
3/4	3,427.08	3/4	3,758.77	3/4	4,090.46	3/4	4,419.77	3/4	4,734.33	3/4	5,031.51	3/4		3/4		3/4		3/4	
4	3,433.99	4	3,765.68	4	4,097.37	4	4,426.51	4	4,740.70	4	5,037.50	4		4		4		4	
1/4	3,440.90	1/4	3,772.59	1/4	4,104.28	1/4	4,433.22	1/4	4,747.04	1/4	5,043.46	1/4		1/4		1/4		1/4	
1/2	3,447.81	1/2	3,779.50	1/2	4,111.19	1/2	4,439.93	1/2	4,753.37	1/2	5,049.41	1/2		1/2		1/2		1/2	
3/4	3,454.72	3/4	3,786.41	3/4	4,118.10	3/4	4,446.64	3/4	4,759.71	3/4	5,055.36	3/4		3/4		3/4		3/4	
5	3,461.63	5	3,793.32	5	4,125.01	5	4,453.35	5	4,766.05	5	5,061.31	5		5		5		5	
1/4	3,468.54	1/4	3,800.23	1/4	4,131.92	1/4	4,460.03	1/4	4,772.36	1/4	5,067.24	1/4		1/4		1/4		1/4	
1/2	3,475.45	1/2	3,807.14	1/2	4,138.83	1/2	4,466.71	1/2	4,778.67	1/2	5,073.16	1/2		1/2		1/2		1/2	
3/4	3,482.36	3/4	3,814.05	3/4	4,145.74	3/4	4,473.40	3/4	4,784.99	3/4	5,079.09	3/4		3/4		3/4		3/4	
6	3,489.27	6	3,820.96	6	4,152.65	6	4,480.08	6	4,791.30	6	5,085.01	6		6		6		6	
1/4	3,496.18	1/4	3,827.87	1/4	4,159.56	1/4	4,486.73	1/4	4,797.58	1/4	5,090.91	1/4		1/4		1/4		1/4	
1/2	3,503.09	1/2	3,834.78	1/2	4,166.47	1/2	4,493.39	1/2	4,803.86	1/2	5,096.81	1/2		1/2		1/2		1/2	
3/4	3,510.00	3/4	3,841.69	3/4	4,173.38	3/4	4,500.04	3/4	4,810.15	3/4	5,102.71	3/4		3/4		3/4		3/4	
7	3,516.91	7	3,848.60	7	4,180.29	7	4,506.70	7	4,816.43	7	5,108.61	7		7		7		7	
1/4	3,523.82	1/4	3,855.51	1/4	4,187.20	1/4	4,513.32	1/4	4,822.69	1/4	5,113.96	1/4		1/4		1/4		1/4	
1/2	3,530.73	1/2	3,862.42	1/2	4,194.11	1/2	4,519.95	1/2	4,828.94	1/2	5,119.31	1/2		1/2		1/2		1/2	
3/4	3,537.64	3/4	3,869.33	3/4	4,201.02	3/4	4,526.58	3/4	4,835.20	3/4	5,124.67	3/4		3/4		3/4		3/4	
8	3,544.55	8	3,876.24	8	4,207.93	8	4,533.20	8	4,841.46	8	5,130.02	8		8		8		8	
1/4	3,551.46	1/4	3,883.15	1/4	4,214.84	1/4	4,539.80	1/4	4,847.68	1/4	5,134.90	1/4		1/4		1/4		1/4	
1/2	3,558.37	1/2	3,890.06	1/2	4,221.75	1/2	4,546.40	1/2	4,853.91	1/2	5,139.78	1/2		1/2		1/2		1/2	
3/4	3,565.28	3/4	3,896.97	3/4	4,228.66	3/4	4,553.00	3/4	4,860.14	3/4		3/4		3/4		3/4		3/4	
9	3,572.19	9	3,903.88	9	4,235.57	9	4,559.60	9	4,866.37	9		9		9		9		9	
1/4	3,579.10	1/4	3,910.79	1/4	4,242.47	1/4	4,566.17	1/4	4,872.57	1/4		1/4		1/4		1/4		1/4	
1/2	3,586.01	1/2	3,917.70	1/2	4,249.36	1/2	4,572.74	1/2	4,878.77	1/2		1/2		1/2		1/2		1/2	
3/4	3,592.92	3/4	3,924.61	3/4	4,256.26	3/4	4,579.32	3/4	4,884.97	3/4		3/4		3/4		3/4		3/4	
10	3,599.83	10	3,931.52	10	4,263.15	10	4,585.89	10	4,891.17	10		10		10		10		10	
1/4	3,606.74	1/4	3,938.43	1/4	4,270.03	1/4	4,592.43	1/4	4,897.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,613.65	1/2	3,945.34	1/2	4,276.90	1/2	4,598.98	1/2	4,903.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.56	3/4	3,952.25	3/4	4,283.78	3/4	4,605.52	3/4	4,909.69	3/4		3/4		3/4		3/4		3/4	
11	3,627.47	11	3,959.16	11	4,290.66	11	4,612.06	11	4,915.87	11		11		11		11		11	
1/4	3,634.38	1/4	3,966.07	1/4	4,297.50	1/4	4,618.58	1/4	4,922.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,641.29	1/2	3,972.98	1/2	4,304.35	1/2	4,625.10	1/2	4,928.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,648.20	3/4	3,979.89	3/4	4,311.20	3/4	4,631.61	3/4	4,934.30	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 SW  
CALCULATED: 08/01/2013 CL  
PRINTED: 08/02/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

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



BARGE "CTCO 254"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

Table with 18 columns (0 FT. to 9 FT.) and 18 rows (0 to 3/4). Each cell contains capacity values for different gauge heights.

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" HERMETIC CLOSED GAUGING VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" 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 "CTCO 254"

**2 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

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	3,232.63	0	3,563.52	0	3,894.40	0	4,225.29	0	4,556.18	0	4,885.23	0		0		0		0	
1/4	3,239.52	1/4	3,570.41	1/4	3,901.30	1/4	4,232.19	1/4	4,563.05	1/4	4,892.08	1/4		1/4		1/4		1/4	
1/2	3,246.42	1/2	3,577.30	1/2	3,908.19	1/2	4,239.08	1/2	4,569.91	1/2	4,898.94	1/2		1/2		1/2		1/2	
3/4	3,253.31	3/4	3,584.20	3/4	3,915.08	3/4	4,245.97	3/4	4,576.78	3/4	4,905.79	3/4		3/4		3/4		3/4	
1	3,260.20	1	3,591.09	1	3,921.98	1	4,252.87	1	4,583.65	1	4,912.65	1		1		1		1	
1/4	3,267.10	1/4	3,597.98	1/4	3,928.87	1/4	4,259.76	1/4	4,590.50	1/4	4,919.50	1/4		1/4		1/4		1/4	
1/2	3,273.99	1/2	3,604.88	1/2	3,935.77	1/2	4,266.65	1/2	4,597.36	1/2	4,926.35	1/2		1/2		1/2		1/2	
3/4	3,280.88	3/4	3,611.77	3/4	3,942.66	3/4	4,273.55	3/4	4,604.21	3/4	4,933.21	3/4		3/4		3/4		3/4	
2	3,287.78	2	3,618.66	2	3,949.55	2	4,280.44	2	4,611.07	2	4,940.06	2		2		2		2	
1/4	3,294.67	1/4	3,625.56	1/4	3,956.45	1/4	4,287.33	1/4	4,617.92	1/4	4,946.92	1/4		1/4		1/4		1/4	
1/2	3,301.56	1/2	3,632.45	1/2	3,963.34	1/2	4,294.23	1/2	4,624.77	1/2	4,953.77	1/2		1/2		1/2		1/2	
3/4	3,308.46	3/4	3,639.34	3/4	3,970.23	3/4	4,301.12	3/4	4,631.63	3/4	4,960.62	3/4		3/4		3/4		3/4	
3	3,315.35	3	3,646.24	3	3,977.13	3	4,308.01	3	4,638.48	3	4,967.48	3		3		3		3	
1/4	3,322.24	1/4	3,653.13	1/4	3,984.02	1/4	4,314.91	1/4	4,645.34	1/4	4,974.29	1/4		1/4		1/4		1/4	
1/2	3,329.14	1/2	3,660.03	1/2	3,990.91	1/2	4,321.80	1/2	4,652.19	1/2	4,981.11	1/2		1/2		1/2		1/2	
3/4	3,336.03	3/4	3,666.92	3/4	3,997.81	3/4	4,328.69	3/4	4,659.04	3/4	4,987.92	3/4		3/4		3/4		3/4	
4	3,342.92	4	3,673.81	4	4,004.70	4	4,335.59	4	4,665.90	4	4,994.73	4		4		4		4	
1/4	3,349.82	1/4	3,680.71	1/4	4,011.59	1/4	4,342.48	1/4	4,672.75	1/4	5,001.53	1/4		1/4		1/4		1/4	
1/2	3,356.71	1/2	3,687.60	1/2	4,018.49	1/2	4,349.38	1/2	4,679.61	1/2	5,008.33	1/2		1/2		1/2		1/2	
3/4	3,363.60	3/4	3,694.49	3/4	4,025.38	3/4	4,356.27	3/4	4,686.46	3/4	5,015.13	3/4		3/4		3/4		3/4	
5	3,370.50	5	3,701.39	5	4,032.27	5	4,363.16	5	4,693.31	5	5,021.93	5		5		5		5	
1/4	3,377.39	1/4	3,708.28	1/4	4,039.17	1/4	4,370.06	1/4	4,700.17	1/4	5,028.73	1/4		1/4		1/4		1/4	
1/2	3,384.29	1/2	3,715.17	1/2	4,046.06	1/2	4,376.95	1/2	4,707.02	1/2	5,035.53	1/2		1/2		1/2		1/2	
3/4	3,391.18	3/4	3,722.07	3/4	4,052.95	3/4	4,383.84	3/4	4,713.88	3/4	5,042.33	3/4		3/4		3/4		3/4	
6	3,398.07	6	3,728.96	6	4,059.85	6	4,390.74	6	4,720.73	6	5,049.13	6		6		6		6	
1/4	3,404.97	1/4	3,735.85	1/4	4,066.74	1/4	4,397.63	1/4	4,727.58	1/4	5,055.93	1/4		1/4		1/4		1/4	
1/2	3,411.86	1/2	3,742.75	1/2	4,073.64	1/2	4,404.52	1/2	4,734.44	1/2	5,062.73	1/2		1/2		1/2		1/2	
3/4	3,418.75	3/4	3,749.64	3/4	4,080.53	3/4	4,411.42	3/4	4,741.29	3/4	5,069.53	3/4		3/4		3/4		3/4	
7	3,425.65	7	3,756.53	7	4,087.42	7	4,418.31	7	4,748.15	7	5,076.33	7		7		7		7	
1/4	3,432.54	1/4	3,763.43	1/4	4,094.32	1/4	4,425.20	1/4	4,755.00	1/4	5,082.62	1/4		1/4		1/4		1/4	
1/2	3,439.43	1/2	3,770.32	1/2	4,101.21	1/2	4,432.10	1/2	4,761.86	1/2	5,088.90	1/2		1/2		1/2		1/2	
3/4	3,446.33	3/4	3,777.21	3/4	4,108.10	3/4	4,438.99	3/4	4,768.71	3/4	5,095.19	3/4		3/4		3/4		3/4	
8	3,453.22	8	3,784.11	8	4,115.00	8	4,445.88	8	4,775.56	8	5,101.47	8		8		8		8	
1/4	3,460.11	1/4	3,791.00	1/4	4,121.89	1/4	4,452.78	1/4	4,782.42	1/4	5,106.58	1/4		1/4		1/4		1/4	
1/2	3,467.01	1/2	3,797.90	1/2	4,128.78	1/2	4,459.67	1/2	4,789.27	1/2	5,111.68	1/2		1/2		1/2		1/2	
3/4	3,473.90	3/4	3,804.79	3/4	4,135.68	3/4	4,466.56	3/4	4,796.13	3/4		3/4		3/4		3/4		3/4	
9	3,480.79	9	3,811.68	9	4,142.57	9	4,473.46	9	4,802.98	9		9		9		9		9	
1/4	3,487.69	1/4	3,818.58	1/4	4,149.46	1/4	4,480.35	1/4	4,809.83	1/4		1/4		1/4		1/4		1/4	
1/2	3,494.58	1/2	3,825.47	1/2	4,156.36	1/2	4,487.25	1/2	4,816.69	1/2		1/2		1/2		1/2		1/2	
3/4	3,501.47	3/4	3,832.36	3/4	4,163.25	3/4	4,494.14	3/4	4,823.54	3/4		3/4		3/4		3/4		3/4	
10	3,508.37	10	3,839.26	10	4,170.14	10	4,501.03	10	4,830.40	10		10		10		10		10	
1/4	3,515.26	1/4	3,846.15	1/4	4,177.04	1/4	4,507.93	1/4	4,837.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,522.16	1/2	3,853.04	1/2	4,183.93	1/2	4,514.82	1/2	4,844.10	1/2		1/2		1/2		1/2		1/2	
3/4	3,529.05	3/4	3,859.94	3/4	4,190.82	3/4	4,521.71	3/4	4,850.96	3/4		3/4		3/4		3/4		3/4	
11	3,535.94	11	3,866.83	11	4,197.72	11	4,528.61	11	4,857.81	11		11		11		11		11	
1/4	3,542.84	1/4	3,873.72	1/4	4,204.61	1/4	4,535.50	1/4	4,864.67	1/4		1/4		1/4		1/4		1/4	
1/2	3,549.73	1/2	3,880.62	1/2	4,211.51	1/2	4,542.39	1/2	4,871.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,556.62	3/4	3,887.51	3/4	4,218.40	3/4	4,549.29	3/4	4,878.37	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 SW  
CALCULATED: 08/01/2013 CL  
PRINTED: 08/02/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

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





# BARGE "CTCO 254"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-09"

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	3,301.21	0	3,611.93	0	3,813.83	0	4,015.44	0	4,209.38	0	4,390.56	0		0		0		0	
1/4	3,308.07	1/4	3,616.14	1/4	3,818.04	1/4	4,019.59	1/4	4,213.27	1/4	4,394.21	1/4		1/4		1/4		1/4	
1/2	3,314.93	1/2	3,620.34	1/2	3,822.25	1/2	4,023.73	1/2	4,217.16	1/2	4,397.86	1/2		1/2		1/2		1/2	
3/4	3,321.79	3/4	3,624.55	3/4	3,826.45	3/4	4,027.87	3/4	4,221.05	3/4	4,401.51	3/4		3/4		3/4		3/4	
1	3,328.65	1	3,628.76	1	3,830.66	1	4,032.02	1	4,224.94	1	4,405.16	1		1		1		1	
1/4	3,335.51	1/4	3,632.96	1/4	3,834.86	1/4	4,036.15	1/4	4,228.79	1/4	4,408.80	1/4		1/4		1/4		1/4	
1/2	3,342.37	1/2	3,637.17	1/2	3,839.07	1/2	4,040.27	1/2	4,232.65	1/2	4,412.43	1/2		1/2		1/2		1/2	
3/4	3,349.23	3/4	3,641.37	3/4	3,843.28	3/4	4,044.40	3/4	4,236.51	3/4	4,416.06	3/4		3/4		3/4		3/4	
2	3,356.09	2	3,645.58	2	3,847.48	2	4,048.52	2	4,240.37	2	4,419.69	2		2		2		2	
1/4	3,362.95	1/4	3,649.79	1/4	3,851.69	1/4	4,052.63	1/4	4,244.21	1/4	4,423.30	1/4		1/4		1/4		1/4	
1/2	3,369.81	1/2	3,653.99	1/2	3,855.90	1/2	4,056.74	1/2	4,248.05	1/2	4,426.92	1/2		1/2		1/2		1/2	
3/4	3,376.67	3/4	3,658.20	3/4	3,860.10	3/4	4,060.84	3/4	4,251.89	3/4	4,430.53	3/4		3/4		3/4		3/4	
3	3,383.53	3	3,662.41	3	3,864.31	3	4,064.95	3	4,255.73	3	4,434.14	3		3		3		3	
1/4	3,390.39	1/4	3,666.61	1/4	3,868.51	1/4	4,069.04	1/4	4,259.55	1/4	4,437.69	1/4		1/4		1/4		1/4	
1/2	3,397.25	1/2	3,670.82	1/2	3,872.72	1/2	4,073.13	1/2	4,263.37	1/2	4,441.25	1/2		1/2		1/2		1/2	
3/4	3,404.12	3/4	3,675.02	3/4	3,876.93	3/4	4,077.21	3/4	4,267.19	3/4	4,444.80	3/4		3/4		3/4		3/4	
4	3,410.98	4	3,679.23	4	3,881.13	4	4,081.30	4	4,271.02	4	4,448.35	4		4		4		4	
1/4	3,417.84	1/4	3,683.44	1/4	3,885.34	1/4	4,085.37	1/4	4,274.82	1/4	4,451.87	1/4		1/4		1/4		1/4	
1/2	3,424.70	1/2	3,687.64	1/2	3,889.55	1/2	4,089.44	1/2	4,278.62	1/2	4,455.39	1/2		1/2		1/2		1/2	
3/4	3,431.56	3/4	3,691.85	3/4	3,893.75	3/4	4,093.51	3/4	4,282.42	3/4	4,458.91	3/4		3/4		3/4		3/4	
5	3,438.42	5	3,696.06	5	3,897.96	5	4,097.58	5	4,286.22	5	4,462.43	5		5		5		5	
1/4	3,445.28	1/4	3,700.26	1/4	3,902.16	1/4	4,101.63	1/4	4,290.01	1/4	4,465.93	1/4		1/4		1/4		1/4	
1/2	3,452.14	1/2	3,704.47	1/2	3,906.37	1/2	4,105.68	1/2	4,293.79	1/2	4,469.43	1/2		1/2		1/2		1/2	
3/4	3,459.00	3/4	3,708.67	3/4	3,910.58	3/4	4,109.73	3/4	4,297.57	3/4	4,472.93	3/4		3/4		3/4		3/4	
6	3,465.86	6	3,712.88	6	3,914.78	6	4,113.78	6	4,301.36	6	4,476.43	6		6		6		6	
1/4	3,472.72	1/4	3,717.09	1/4	3,918.99	1/4	4,117.81	1/4	4,305.12	1/4	4,479.92	1/4		1/4		1/4		1/4	
1/2	3,479.58	1/2	3,721.29	1/2	3,923.20	1/2	4,121.84	1/2	4,308.89	1/2	4,483.40	1/2		1/2		1/2		1/2	
3/4	3,486.44	3/4	3,725.50	3/4	3,927.40	3/4	4,125.87	3/4	4,312.65	3/4	4,486.89	3/4		3/4		3/4		3/4	
7	3,493.30	7	3,729.71	7	3,931.61	7	4,129.90	7	4,316.41	7	4,490.37	7		7		7		7	
1/4	3,500.16	1/4	3,733.91	1/4	3,935.82	1/4	4,133.91	1/4	4,320.16	1/4	4,493.32	1/4		1/4		1/4		1/4	
1/2	3,507.02	1/2	3,738.12	1/2	3,940.02	1/2	4,137.92	1/2	4,323.90	1/2	4,496.27	1/2		1/2		1/2		1/2	
3/4	3,513.88	3/4	3,742.33	3/4	3,944.23	3/4	4,141.94	3/4	4,327.65	3/4	4,499.21	3/4		3/4		3/4		3/4	
8	3,520.74	8	3,746.53	8	3,948.43	8	4,145.95	8	4,331.40	8	4,502.16	8		8		8		8	
1/4	3,527.60	1/4	3,750.74	1/4	3,952.64	1/4	4,149.94	1/4	4,335.12	1/4	4,504.43	1/4		1/4		1/4		1/4	
1/2	3,534.46	1/2	3,754.94	1/2	3,956.85	1/2	4,153.94	1/2	4,338.85	1/2	4,506.69	1/2		1/2		1/2		1/2	
3/4	3,541.32	3/4	3,759.15	3/4	3,961.05	3/4	4,157.93	3/4	4,342.57	3/4		3/4		3/4		3/4		3/4	
9	3,548.18	9	3,763.36	9	3,965.26	9	4,161.92	9	4,346.30	9		9		9		9		9	
1/4	3,555.04	1/4	3,767.56	1/4	3,969.46	1/4	4,165.90	1/4	4,350.01	1/4		1/4		1/4		1/4		1/4	
1/2	3,561.90	1/2	3,771.77	1/2	3,973.66	1/2	4,169.87	1/2	4,353.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,568.76	3/4	3,775.98	3/4	3,977.86	3/4	4,173.84	3/4	4,357.42	3/4		3/4		3/4		3/4		3/4	
10	3,575.63	10	3,780.18	10	3,982.06	10	4,177.82	10	4,361.13	10		10		10		10		10	
1/4	3,580.89	1/4	3,784.39	1/4	3,986.24	1/4	4,181.77	1/4	4,364.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,585.63	1/2	3,788.59	1/2	3,990.42	1/2	4,185.73	1/2	4,368.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.37	3/4	3,792.80	3/4	3,994.60	3/4	4,189.68	3/4	4,372.20	3/4		3/4		3/4		3/4		3/4	
11	3,595.10	11	3,797.01	11	3,998.79	11	4,193.64	11	4,375.88	11		11		11		11		11	
1/4	3,599.31	1/4	3,801.21	1/4	4,002.95	1/4	4,197.58	1/4	4,379.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,603.52	1/2	3,805.42	1/2	4,007.11	1/2	4,201.51	1/2	4,383.22	1/2		1/2		1/2		1/2		1/2	
3/4	3,607.72	3/4	3,809.63	3/4	4,011.28	3/4	4,205.45	3/4	4,386.89	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/31/2013 SW  
CALCULATED: 08/01/2013 CL  
PRINTED: 08/02/2013 SW

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2013

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



BARGE "CTCO 254"

3 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

Table with 18 columns (0 to 9 FT) and 18 rows (0 to 11). Each cell contains capacity values for different gauge heights (0, 1/4, 1/2, 3/4).

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7. CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL. CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK. CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" HERMETIC CLOSED GAUGING VALVE. GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" 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 "CTCO 254"

3 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-08 3/4"

Table with 19 columns (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.) and multiple rows of capacity data.

STRAPPED: 07/31/2013 SW
CALCULATED: 08/01/2013 CL
PRINTED: 08/02/2013 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

