



# BARGE "CTCo 316"

## 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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 6'-00"  
 DIFF. = 4'-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 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-03"

September 12, 2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "CTCo 316"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,622.70	0	3,989.53	0	4,353.52	0	4,698.79	0	5,032.30	0		0		0		0		0	
1/4	3,630.35	1/4	3,997.17	1/4	4,360.92	1/4	4,705.75	1/4	5,039.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.99	1/2	4,004.81	1/2	4,368.32	1/2	4,712.71	1/2	5,047.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.63	3/4	4,012.46	3/4	4,375.72	3/4	4,719.67	3/4	5,055.06	3/4		3/4		3/4		3/4		3/4	
1	3,653.27	1	4,020.10	1	4,383.13	1	4,726.63	1	5,062.64	1		1		1		1		1	
1/4	3,660.92	1/4	4,027.74	1/4	4,390.50	1/4	4,733.53	1/4	5,069.85	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.56	1/2	4,035.38	1/2	4,397.86	1/2	4,740.44	1/2	5,077.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.20	3/4	4,043.03	3/4	4,405.23	3/4	4,747.34	3/4	5,084.25	3/4		3/4		3/4		3/4		3/4	
2	3,683.84	2	4,050.67	2	4,412.60	2	4,754.25	2	5,091.46	2		2		2		2		2	
1/4	3,691.48	1/4	4,058.31	1/4	4,419.92	1/4	4,761.10	1/4	5,097.51	1/4		1/4		1/4		1/4		1/4	
1/2	3,699.13	1/2	4,065.95	1/2	4,427.25	1/2	4,767.95	1/2	5,103.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,706.77	3/4	4,073.59	3/4	4,434.57	3/4	4,774.80	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,714.41	3	4,081.24	3	4,441.90	3	4,781.65	3		3		3		3		3		3	
1/4	3,722.05	1/4	4,088.88	1/4	4,449.17	1/4	4,788.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.69	1/2	4,096.52	1/2	4,456.45	1/2	4,795.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,737.34	3/4	4,104.16	3/4	4,463.72	3/4	4,802.11	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,744.98	4	4,111.80	4	4,471.00	4	4,808.92	4		4		4		4		4		4	
1/4	3,752.62	1/4	4,119.45	1/4	4,478.23	1/4	4,815.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.26	1/2	4,127.09	1/2	4,485.47	1/2	4,822.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.91	3/4	4,134.73	3/4	4,492.71	3/4	4,829.28	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,775.55	5	4,142.37	5	4,499.95	5	4,836.06	5		5		5		5		5		5	
1/4	3,783.19	1/4	4,150.01	1/4	4,507.15	1/4	4,842.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,790.83	1/2	4,157.65	1/2	4,514.35	1/2	4,849.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,798.47	3/4	4,165.28	3/4	4,521.56	3/4	4,856.31	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,806.12	6	4,172.92	6	4,528.76	6	4,863.06	6		6		6		6		6		6	
1/4	3,813.76	1/4	4,180.53	1/4	4,535.93	1/4	4,869.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,821.40	1/2	4,188.14	1/2	4,543.10	1/2	4,876.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,829.04	3/4	4,195.76	3/4	4,550.27	3/4	4,883.20	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,836.69	7	4,203.37	7	4,557.44	7	4,889.91	7		7		7		7		7		7	
1/4	3,844.33	1/4	4,210.95	1/4	4,564.57	1/4	4,896.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,851.97	1/2	4,218.53	1/2	4,571.71	1/2	4,903.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.61	3/4	4,226.11	3/4	4,578.84	3/4	4,909.94	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,867.25	8	4,233.69	8	4,585.98	8	4,916.62	8		8		8		8		8		8	
1/4	3,874.90	1/4	4,241.23	1/4	4,593.08	1/4	4,923.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.54	1/2	4,248.78	1/2	4,600.18	1/2	4,929.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,890.18	3/4	4,256.32	3/4	4,607.29	3/4	4,936.56	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,897.82	9	4,263.87	9	4,614.39	9	4,943.20	9		9		9		9		9		9	
1/4	3,905.47	1/4	4,271.38	1/4	4,621.46	1/4	4,950.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,913.11	1/2	4,278.88	1/2	4,628.53	1/2	4,957.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.75	3/4	4,286.39	3/4	4,635.59	3/4	4,964.52	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,928.39	10	4,293.90	10	4,642.66	10	4,971.63	10		10		10		10		10		10	
1/4	3,936.03	1/4	4,301.37	1/4	4,649.70	1/4	4,979.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.68	1/2	4,308.84	1/2	4,656.73	1/2	4,986.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,951.32	3/4	4,316.31	3/4	4,663.77	3/4	4,994.38	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,958.96	11	4,323.78	11	4,670.80	11	5,001.97	11		11		11		11		11		11	
1/4	3,966.60	1/4	4,331.21	1/4	4,677.80	1/4	5,009.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,974.25	1/2	4,338.65	1/2	4,684.80	1/2	5,017.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.89	3/4	4,346.08	3/4	4,691.79	3/4	5,024.72	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL  
CALCULATED: 09/12/2013 CL  
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "CTCo 316"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,617.36	0	3,984.00	0	4,347.80	0	4,692.91	0	5,026.26	0		0		0		0		0	
1/4	3,625.00	1/4	3,991.64	1/4	4,355.20	1/4	4,699.86	1/4	5,033.84	1/4		1/4		1/4		1/4		1/4	
1/2	3,632.63	1/2	3,999.28	1/2	4,362.60	1/2	4,706.82	1/2	5,041.42	1/2		1/2		1/2		1/2		1/2	
3/4	3,640.27	3/4	4,006.92	3/4	4,370.00	3/4	4,713.77	3/4	5,049.00	3/4		3/4		3/4		3/4		3/4	
1	3,647.91	1	4,014.56	1	4,377.40	1	4,720.73	1	5,056.59	1		1		1		1		1	
1/4	3,655.55	1/4	4,022.20	1/4	4,384.76	1/4	4,727.63	1/4	5,063.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.19	1/2	4,029.84	1/2	4,392.13	1/2	4,734.53	1/2	5,070.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,670.83	3/4	4,037.47	3/4	4,399.49	3/4	4,741.44	3/4	5,078.18	3/4		3/4		3/4		3/4		3/4	
2	3,678.46	2	4,045.11	2	4,406.86	2	4,748.34	2	5,085.38	2		2		2		2		2	
1/4	3,686.10	1/4	4,052.75	1/4	4,414.18	1/4	4,755.19	1/4	5,091.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.74	1/2	4,060.39	1/2	4,421.50	1/2	4,762.03	1/2	5,097.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,701.38	3/4	4,068.03	3/4	4,428.82	3/4	4,768.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,709.02	3	4,075.67	3	4,436.14	3	4,775.73	3		3		3		3		3		3	
1/4	3,716.66	1/4	4,083.31	1/4	4,443.41	1/4	4,782.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,724.30	1/2	4,090.94	1/2	4,450.68	1/2	4,789.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,731.93	3/4	4,098.58	3/4	4,457.95	3/4	4,796.17	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,739.57	4	4,106.22	4	4,465.23	4	4,802.99	4		4		4		4		4		4	
1/4	3,747.21	1/4	4,113.86	1/4	4,472.46	1/4	4,809.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,754.85	1/2	4,121.50	1/2	4,479.69	1/2	4,816.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,762.49	3/4	4,129.14	3/4	4,486.93	3/4	4,823.33	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,770.13	5	4,136.77	5	4,494.16	5	4,830.11	5		5		5		5		5		5	
1/4	3,777.77	1/4	4,144.40	1/4	4,501.36	1/4	4,836.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,785.40	1/2	4,152.03	1/2	4,508.56	1/2	4,843.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,793.04	3/4	4,159.66	3/4	4,515.76	3/4	4,850.36	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,800.68	6	4,167.29	6	4,522.96	6	4,857.10	6		6		6		6		6		6	
1/4	3,808.32	1/4	4,174.90	1/4	4,530.13	1/4	4,863.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,815.96	1/2	4,182.51	1/2	4,537.29	1/2	4,870.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,823.60	3/4	4,190.12	3/4	4,544.46	3/4	4,877.23	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,831.23	7	4,197.73	7	4,551.62	7	4,883.94	7		7		7		7		7		7	
1/4	3,838.87	1/4	4,205.30	1/4	4,558.76	1/4	4,890.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,846.51	1/2	4,212.88	1/2	4,565.89	1/2	4,897.29	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,854.15	3/4	4,220.46	3/4	4,573.02	3/4	4,903.96	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,861.79	8	4,228.03	8	4,580.15	8	4,910.63	8		8		8		8		8		8	
1/4	3,869.43	1/4	4,235.57	1/4	4,587.25	1/4	4,917.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,877.07	1/2	4,243.11	1/2	4,594.35	1/2	4,923.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,884.70	3/4	4,250.66	3/4	4,601.45	3/4	4,930.56	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,892.34	9	4,258.20	9	4,608.55	9	4,937.20	9		9		9		9		9		9	
1/4	3,899.98	1/4	4,265.70	1/4	4,615.61	1/4	4,944.30	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,907.62	1/2	4,273.21	1/2	4,622.68	1/2	4,951.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,915.26	3/4	4,280.71	3/4	4,629.74	3/4	4,958.51	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,922.90	10	4,288.21	10	4,636.81	10	4,965.61	10		10		10		10		10		10	
1/4	3,930.54	1/4	4,295.68	1/4	4,643.84	1/4	4,973.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,938.17	1/2	4,303.14	1/2	4,650.87	1/2	4,980.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,945.81	3/4	4,310.61	3/4	4,657.90	3/4	4,988.36	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,953.45	11	4,318.08	11	4,664.93	11	4,995.94	11		11		11		11		11		11	
1/4	3,961.09	1/4	4,325.51	1/4	4,671.93	1/4	5,003.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,968.73	1/2	4,332.94	1/2	4,678.92	1/2	5,011.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,976.37	3/4	4,340.37	3/4	4,685.91	3/4	5,018.68	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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# BARGE "CTCo 316"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	3,444.97	0	3,789.30	0	4,130.96	0	4,455.00	0	4,767.90	0		0		0		0		0	
1/4	3,452.15	1/4	3,796.47	1/4	4,137.91	1/4	4,461.54	1/4	4,775.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,459.32	1/2	3,803.64	1/2	4,144.86	1/2	4,468.07	1/2	4,782.13	1/2		1/2		1/2		1/2		1/2	
3/4	3,466.50	3/4	3,810.82	3/4	4,151.81	3/4	4,474.60	3/4	4,789.25	3/4		3/4		3/4		3/4		3/4	
1	3,473.67	1	3,817.99	1	4,158.76	1	4,481.13	1	4,796.36	1		1		1		1		1	
1/4	3,480.84	1/4	3,825.17	1/4	4,165.67	1/4	4,487.61	1/4	4,803.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.02	1/2	3,832.34	1/2	4,172.59	1/2	4,494.09	1/2	4,809.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,495.19	3/4	3,839.51	3/4	4,179.50	3/4	4,500.56	3/4	4,816.64	3/4		3/4		3/4		3/4		3/4	
2	3,502.36	2	3,846.69	2	4,186.42	2	4,507.04	2	4,823.39	2		2		2		2		2	
1/4	3,509.54	1/4	3,853.86	1/4	4,193.29	1/4	4,513.47	1/4	4,829.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,516.71	1/2	3,861.03	1/2	4,200.17	1/2	4,519.90	1/2	4,834.76	1/2		1/2		1/2		1/2		1/2	
3/4	3,523.88	3/4	3,868.21	3/4	4,207.04	3/4	4,526.33	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,531.06	3	3,875.38	3	4,213.92	3	4,532.75	3		3		3		3		3		3	
1/4	3,538.23	1/4	3,882.55	1/4	4,220.74	1/4	4,539.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,545.40	1/2	3,889.73	1/2	4,227.57	1/2	4,545.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,552.58	3/4	3,896.90	3/4	4,234.40	3/4	4,551.94	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,559.75	4	3,904.07	4	4,241.23	4	4,558.34	4		4		4		4		4		4	
1/4	3,566.92	1/4	3,911.25	1/4	4,248.02	1/4	4,564.70	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,574.10	1/2	3,918.42	1/2	4,254.81	1/2	4,571.07	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,581.27	3/4	3,925.59	3/4	4,261.60	3/4	4,577.43	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,588.44	5	3,932.77	5	4,268.39	5	4,583.80	5		5		5		5		5		5	
1/4	3,595.62	1/4	3,939.93	1/4	4,275.15	1/4	4,590.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,602.79	1/2	3,947.10	1/2	4,281.92	1/2	4,596.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,609.96	3/4	3,954.27	3/4	4,288.68	3/4	4,602.79	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,617.14	6	3,961.44	6	4,295.44	6	4,609.13	6		6		6		6		6		6	
1/4	3,624.31	1/4	3,968.59	1/4	4,302.16	1/4	4,615.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,631.48	1/2	3,975.73	1/2	4,308.89	1/2	4,621.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,638.66	3/4	3,982.88	3/4	4,315.62	3/4	4,628.02	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,645.83	7	3,990.02	7	4,322.35	7	4,634.31	7		7		7		7		7		7	
1/4	3,653.00	1/4	3,997.14	1/4	4,329.05	1/4	4,640.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,660.18	1/2	4,004.25	1/2	4,335.74	1/2	4,646.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,667.35	3/4	4,011.37	3/4	4,342.44	3/4	4,653.11	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,674.52	8	4,018.48	8	4,349.14	8	4,659.37	8		8		8		8		8		8	
1/4	3,681.70	1/4	4,025.56	1/4	4,355.80	1/4	4,665.60	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,688.87	1/2	4,032.65	1/2	4,362.47	1/2	4,671.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.04	3/4	4,039.73	3/4	4,369.13	3/4	4,678.07	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,703.22	9	4,046.81	9	4,375.80	9	4,684.30	9		9		9		9		9		9	
1/4	3,710.39	1/4	4,053.86	1/4	4,382.43	1/4	4,690.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,717.56	1/2	4,060.91	1/2	4,389.06	1/2	4,697.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,724.74	3/4	4,067.95	3/4	4,395.70	3/4	4,704.30	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,731.91	10	4,075.00	10	4,402.33	10	4,710.97	10		10		10		10		10		10	
1/4	3,739.08	1/4	4,082.01	1/4	4,408.93	1/4	4,718.09	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,746.26	1/2	4,089.02	1/2	4,415.54	1/2	4,725.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,753.43	3/4	4,096.03	3/4	4,422.14	3/4	4,732.32	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,760.60	11	4,103.04	11	4,428.74	11	4,739.44	11		11		11		11		11		11	
1/4	3,767.78	1/4	4,110.02	1/4	4,435.31	1/4	4,746.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,774.95	1/2	4,117.00	1/2	4,441.87	1/2	4,753.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,782.12	3/4	4,123.98	3/4	4,448.44	3/4	4,760.78	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL  
CALCULATED: 09/12/2013 CL  
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "CTCo 316"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 1/4"

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	3,458.89	0	3,803.21	0	4,144.88	0	4,468.92	0	4,781.81	0		0		0		0		0	
1/4	3,466.06	1/4	3,810.39	1/4	4,151.83	1/4	4,475.45	1/4	4,788.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,473.24	1/2	3,817.56	1/2	4,158.77	1/2	4,481.98	1/2	4,796.05	1/2		1/2		1/2		1/2		1/2	
3/4	3,480.41	3/4	3,824.73	3/4	4,165.72	3/4	4,488.51	3/4	4,803.16	3/4		3/4		3/4		3/4		3/4	
1	3,487.58	1	3,831.91	1	4,172.67	1	4,495.04	1	4,810.28	1		1		1		1		1	
1/4	3,494.76	1/4	3,839.08	1/4	4,179.59	1/4	4,501.52	1/4	4,817.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,501.93	1/2	3,846.25	1/2	4,186.50	1/2	4,508.00	1/2	4,823.79	1/2		1/2		1/2		1/2		1/2	
3/4	3,509.10	3/4	3,853.43	3/4	4,193.42	3/4	4,514.48	3/4	4,830.55	3/4		3/4		3/4		3/4		3/4	
2	3,516.28	2	3,860.60	2	4,200.33	2	4,520.96	2	4,837.31	2		2		2		2		2	
1/4	3,523.45	1/4	3,867.77	1/4	4,207.21	1/4	4,527.39	1/4	4,842.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,530.62	1/2	3,874.95	1/2	4,214.08	1/2	4,533.81	1/2	4,848.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,537.80	3/4	3,882.12	3/4	4,220.96	3/4	4,540.24	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,544.97	3	3,889.29	3	4,227.83	3	4,546.67	3		3		3		3		3		3	
1/4	3,552.14	1/4	3,896.47	1/4	4,234.66	1/4	4,553.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,559.32	1/2	3,903.64	1/2	4,241.49	1/2	4,559.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,566.49	3/4	3,910.81	3/4	4,248.31	3/4	4,565.86	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,573.66	4	3,917.99	4	4,255.14	4	4,572.25	4		4		4		4		4		4	
1/4	3,580.84	1/4	3,925.16	1/4	4,261.93	1/4	4,578.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,588.01	1/2	3,932.33	1/2	4,268.73	1/2	4,584.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,595.18	3/4	3,939.51	3/4	4,275.52	3/4	4,591.35	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,602.36	5	3,946.68	5	4,282.31	5	4,597.71	5		5		5		5		5		5	
1/4	3,609.53	1/4	3,953.85	1/4	4,289.07	1/4	4,604.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,616.70	1/2	3,961.02	1/2	4,295.83	1/2	4,610.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,623.88	3/4	3,968.19	3/4	4,302.59	3/4	4,616.71	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,631.05	6	3,975.35	6	4,309.35	6	4,623.04	6		6		6		6		6		6	
1/4	3,638.22	1/4	3,982.50	1/4	4,316.08	1/4	4,629.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,645.40	1/2	3,989.65	1/2	4,322.81	1/2	4,635.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,652.57	3/4	3,996.79	3/4	4,329.53	3/4	4,641.93	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,659.74	7	4,003.94	7	4,336.26	7	4,648.23	7		7		7		7		7		7	
1/4	3,666.92	1/4	4,011.05	1/4	4,342.96	1/4	4,654.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,674.09	1/2	4,018.17	1/2	4,349.66	1/2	4,660.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,681.26	3/4	4,025.28	3/4	4,356.35	3/4	4,667.02	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,688.44	8	4,032.39	8	4,363.05	8	4,673.28	8		8		8		8		8		8	
1/4	3,695.61	1/4	4,039.48	1/4	4,369.72	1/4	4,679.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,702.78	1/2	4,046.56	1/2	4,376.38	1/2	4,685.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,709.96	3/4	4,053.64	3/4	4,383.05	3/4	4,691.98	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,717.13	9	4,060.73	9	4,389.71	9	4,698.22	9		9		9		9		9		9	
1/4	3,724.31	1/4	4,067.77	1/4	4,067.77	1/4	4,396.34	1/4	4,704.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,731.48	1/2	4,074.82	1/2	4,402.98	1/2	4,711.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,738.65	3/4	4,081.87	3/4	4,409.61	3/4	4,718.22	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,745.83	10	4,088.91	10	4,416.25	10	4,724.89	10		10		10		10		10		10	
1/4	3,753.00	1/4	4,095.92	1/4	4,422.85	1/4	4,732.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,760.17	1/2	4,102.94	1/2	4,429.45	1/2	4,739.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.35	3/4	4,109.95	3/4	4,436.05	3/4	4,746.23	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,774.52	11	4,116.96	11	4,442.65	11	4,753.35	11		11		11		11		11		11	
1/4	3,781.69	1/4	4,123.94	1/4	4,449.22	1/4	4,760.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,788.87	1/2	4,130.92	1/2	4,455.79	1/2	4,767.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,796.04	3/4	4,137.90	3/4	4,462.35	3/4	4,774.70	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL  
CALCULATED: 09/12/2013 CL  
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

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





# BARGE "CTCo 316"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

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	3,634.27	0	3,888.31	0	4,138.04	0	4,374.95	0	4,603.80	0		0		0		0		0	
1/4	3,640.10	1/4	3,893.55	1/4	4,143.12	1/4	4,379.73	1/4	4,609.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.93	1/2	3,898.79	1/2	4,148.20	1/2	4,384.50	1/2	4,614.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,651.76	3/4	3,904.04	3/4	4,153.28	3/4	4,389.28	3/4	4,619.41	3/4		3/4		3/4		3/4		3/4	
1	3,657.59	1	3,909.28	1	4,158.36	1	4,394.05	1	4,624.62	1		1		1		1		1	
1/4	3,662.84	1/4	3,914.53	1/4	4,163.41	1/4	4,398.79	1/4	4,629.44	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.08	1/2	3,919.77	1/2	4,168.47	1/2	4,403.53	1/2	4,634.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,673.32	3/4	3,925.01	3/4	4,173.52	3/4	4,408.27	3/4	4,639.09	3/4		3/4		3/4		3/4		3/4	
2	3,678.57	2	3,930.26	2	4,178.58	2	4,413.01	2	4,643.91	2		2		2		2		2	
1/4	3,683.81	1/4	3,935.50	1/4	4,183.60	1/4	4,417.71	1/4	4,647.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.05	1/2	3,940.74	1/2	4,188.63	1/2	4,422.41	1/2	4,651.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,694.30	3/4	3,945.99	3/4	4,193.65	3/4	4,427.11	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,699.54	3	3,951.23	3	4,198.68	3	4,431.81	3		3		3		3		3		3	
1/4	3,704.79	1/4	3,956.47	1/4	4,203.67	1/4	4,436.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,710.03	1/2	3,961.72	1/2	4,208.66	1/2	4,441.17	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,715.27	3/4	3,966.96	3/4	4,213.66	3/4	4,445.85	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,720.52	4	3,972.20	4	4,218.65	4	4,450.53	4		4		4		4		4		4	
1/4	3,725.76	1/4	3,977.45	1/4	4,223.61	1/4	4,455.18	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,731.00	1/2	3,982.69	1/2	4,228.58	1/2	4,459.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.25	3/4	3,987.93	3/4	4,233.55	3/4	4,464.49	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,741.49	5	3,993.18	5	4,238.51	5	4,469.15	5		5		5		5		5		5	
1/4	3,746.73	1/4	3,998.42	1/4	4,243.45	1/4	4,473.78	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,751.98	1/2	4,003.65	1/2	4,248.40	1/2	4,478.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,757.22	3/4	4,008.89	3/4	4,253.34	3/4	4,483.04	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,762.46	6	4,014.13	6	4,258.28	6	4,487.67	6		6		6		6		6		6	
1/4	3,767.71	1/4	4,019.35	1/4	4,263.20	1/4	4,492.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,772.95	1/2	4,024.58	1/2	4,268.12	1/2	4,496.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,778.19	3/4	4,029.80	3/4	4,273.04	3/4	4,501.49	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,783.44	7	4,035.02	7	4,277.96	7	4,506.10	7		7		7		7		7		7	
1/4	3,788.68	1/4	4,040.22	1/4	4,282.86	1/4	4,510.68	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,793.92	1/2	4,045.42	1/2	4,287.75	1/2	4,515.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,799.17	3/4	4,050.62	3/4	4,292.65	3/4	4,519.84	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,804.41	8	4,055.82	8	4,297.55	8	4,524.42	8		8		8		8		8		8	
1/4	3,809.66	1/4	4,061.00	1/4	4,302.42	1/4	4,528.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,814.90	1/2	4,066.18	1/2	4,307.29	1/2	4,533.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,820.14	3/4	4,071.35	3/4	4,312.17	3/4	4,538.10	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,825.39	9	4,076.53	9	4,317.04	9	4,542.66	9		9		9		9		9		9	
1/4	3,830.63	1/4	4,081.68	1/4	4,321.89	1/4	4,547.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,835.87	1/2	4,086.83	1/2	4,326.74	1/2	4,552.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,841.12	3/4	4,091.98	3/4	4,331.59	3/4	4,557.29	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,846.36	10	4,097.13	10	4,336.44	10	4,562.17	10		10		10		10		10		10	
1/4	3,851.60	1/4	4,102.26	1/4	4,341.27	1/4	4,567.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,856.85	1/2	4,107.38	1/2	4,346.09	1/2	4,572.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,862.09	3/4	4,112.51	3/4	4,350.92	3/4	4,577.78	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,867.33	11	4,117.63	11	4,355.75	11	4,582.98	11		11		11		11		11		11	
1/4	3,872.58	1/4	4,122.74	1/4	4,360.55	1/4	4,588.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,877.82	1/2	4,127.84	1/2	4,365.35	1/2	4,593.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,883.06	3/4	4,132.94	3/4	4,370.15	3/4	4,598.60	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/12/2013 CL  
CALCULATED: 09/12/2013 CL  
PRINTED: 09/12/2013 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 09/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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BARGE "CTCo 316"

3 STBD  
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

Table with columns for height in feet (0 to 9) and corresponding capacity in barrels for different gauge heights (1/4, 1/2, 3/4). The table lists capacity values for every 0.5-foot interval, with the first row showing capacity at 0 feet and subsequent rows showing capacity at 0.5-foot increments up to 9 feet. Each height is listed with its corresponding gauge height fraction.

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 AT 2" DIAMETER OPENING ON "HERMETIC" CLOSED GAUGING VALVE.  
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT & ANALYSIS, INC.  
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# BARGE "CTCo 316"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

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	3,657.57	0	3,911.70	0	4,161.54	0	4,398.56	0	4,627.49	0		0		0		0		0	
1/4	3,663.40	1/4	3,916.95	1/4	4,166.63	1/4	4,403.33	1/4	4,632.70	1/4		1/4		1/4		1/4		1/4	
1/2	3,669.23	1/2	3,922.19	1/2	4,171.71	1/2	4,408.11	1/2	4,637.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.06	3/4	3,927.44	3/4	4,176.79	3/4	4,412.89	3/4	4,643.11	3/4		3/4		3/4		3/4		3/4	
1	3,680.90	1	3,932.68	1	4,181.87	1	4,417.66	1	4,648.32	1		1		1		1		1	
1/4	3,686.14	1/4	3,937.93	1/4	4,186.93	1/4	4,422.40	1/4	4,653.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,691.39	1/2	3,943.18	1/2	4,191.98	1/2	4,427.14	1/2	4,657.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,696.63	3/4	3,948.42	3/4	4,197.04	3/4	4,431.88	3/4	4,662.80	3/4		3/4		3/4		3/4		3/4	
2	3,701.88	2	3,953.67	2	4,202.10	2	4,436.62	2	4,667.63	2		2		2		2		2	
1/4	3,707.12	1/4	3,958.91	1/4	4,207.13	1/4	4,441.33	1/4	4,671.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,712.37	1/2	3,964.16	1/2	4,212.15	1/2	4,446.03	1/2	4,675.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,717.61	3/4	3,969.40	3/4	4,217.18	3/4	4,450.73	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,722.86	3	3,974.65	3	4,222.21	3	4,455.44	3		3		3		3		3		3	
1/4	3,728.11	1/4	3,979.89	1/4	4,227.20	1/4	4,460.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.35	1/2	3,985.14	1/2	4,232.20	1/2	4,464.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,738.60	3/4	3,990.39	3/4	4,237.19	3/4	4,469.48	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,743.84	4	3,995.63	4	4,242.18	4	4,474.16	4		4		4		4		4		4	
1/4	3,749.09	1/4	4,000.88	1/4	4,247.15	1/4	4,478.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,754.33	1/2	4,006.12	1/2	4,252.12	1/2	4,483.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.58	3/4	4,011.37	3/4	4,257.09	3/4	4,488.13	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,764.83	5	4,016.61	5	4,262.06	5	4,492.79	5		5		5		5		5		5	
1/4	3,770.07	1/4	4,021.86	1/4	4,267.00	1/4	4,497.42	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.32	1/2	4,027.10	1/2	4,271.95	1/2	4,502.05	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.56	3/4	4,032.34	3/4	4,276.89	3/4	4,506.69	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,785.81	6	4,037.58	6	4,281.84	6	4,511.32	6		6		6		6		6		6	
1/4	3,791.05	1/4	4,042.81	1/4	4,286.76	1/4	4,515.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,796.30	1/2	4,048.03	1/2	4,291.68	1/2	4,520.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,801.54	3/4	4,053.26	3/4	4,296.60	3/4	4,525.14	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,806.79	7	4,058.48	7	4,301.52	7	4,529.75	7		7		7		7		7		7	
1/4	3,812.04	1/4	4,063.68	1/4	4,306.42	1/4	4,534.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,817.28	1/2	4,068.89	1/2	4,311.32	1/2	4,538.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,822.53	3/4	4,074.09	3/4	4,316.22	3/4	4,543.50	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,827.77	8	4,079.29	8	4,321.12	8	4,548.08	8		8		8		8		8		8	
1/4	3,833.02	1/4	4,084.47	1/4	4,325.99	1/4	4,552.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,838.26	1/2	4,089.65	1/2	4,330.87	1/2	4,557.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,843.51	3/4	4,094.83	3/4	4,335.74	3/4	4,561.77	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,848.75	9	4,100.01	9	4,340.62	9	4,566.33	9		9		9		9		9		9	
1/4	3,854.00	1/4	4,105.16	1/4	4,345.47	1/4	4,571.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,859.25	1/2	4,110.32	1/2	4,350.32	1/2	4,576.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,864.49	3/4	4,115.47	3/4	4,355.17	3/4	4,580.96	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,869.74	10	4,120.62	10	4,360.03	10	4,585.84	10		10		10		10		10		10	
1/4	3,874.98	1/4	4,125.75	1/4	4,364.86	1/4	4,591.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,880.23	1/2	4,130.88	1/2	4,369.68	1/2	4,596.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,885.47	3/4	4,136.00	3/4	4,374.51	3/4	4,601.46	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,890.72	11	4,141.13	11	4,379.34	11	4,606.67	11		11		11		11		11		11	
1/4	3,895.97	1/4	4,146.23	1/4	4,384.15	1/4	4,611.87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,901.21	1/2	4,151.34	1/2	4,388.95	1/2	4,617.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,906.46	3/4	4,156.44	3/4	4,393.75	3/4	4,622.29	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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ALL PRIOR TO 09/2013

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "CTCo 316"

## PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-11 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	1,079	0	2,158	0	3,210	0	4,199	0		0		0		0		0	
1/4	22	1/4	1,101	1/4	2,180	1/4	3,232	1/4	4,218	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	1,124	1/2	2,203	1/2	3,253	1/2	4,238	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	1,146	3/4	2,225	3/4	3,274	3/4	4,258	3/4		3/4		3/4		3/4		3/4	
1	90	1	1,169	1	2,248	1	3,295	1	4,278	1		1		1		1		1	
1/4	112	1/4	1,191	1/4	2,270	1/4	3,316	1/4	4,298	1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	1,214	1/2	2,293	1/2	3,337	1/2	4,318	1/2		1/2		1/2		1/2		1/2	
3/4	157	3/4	1,236	3/4	2,315	3/4	3,358	3/4	4,337	3/4		3/4		3/4		3/4		3/4	
2	180	2	1,259	2	2,337	2	3,379	2	4,357	2		2		2		2		2	
1/4	202	1/4	1,281	1/4	2,360	1/4	3,400	1/4	4,377	1/4		1/4		1/4		1/4		1/4	
1/2	225	1/2	1,304	1/2	2,382	1/2	3,421	1/2	4,396	1/2		1/2		1/2		1/2		1/2	
3/4	247	3/4	1,326	3/4	2,404	3/4	3,442	3/4	4,416	3/4		3/4		3/4		3/4		3/4	
3	270	3	1,349	3	2,427	3	3,463	3	4,436	3		3		3		3		3	
1/4	292	1/4	1,371	1/4	2,449	1/4	3,484	1/4	4,455	1/4		1/4		1/4		1/4		1/4	
1/2	315	1/2	1,394	1/2	2,471	1/2	3,505	1/2	4,475	1/2		1/2		1/2		1/2		1/2	
3/4	337	3/4	1,416	3/4	2,493	3/4	3,526	3/4	4,494	3/4		3/4		3/4		3/4		3/4	
4	360	4	1,439	4	2,516	4	3,547	4	4,514	4		4		4		4		4	
1/4	382	1/4	1,461	1/4	2,538	1/4	3,568	1/4	4,533	1/4		1/4		1/4		1/4		1/4	
1/2	405	1/2	1,484	1/2	2,560	1/2	3,588	1/2	4,552	1/2		1/2		1/2		1/2		1/2	
3/4	427	3/4	1,506	3/4	2,582	3/4	3,609	3/4	4,572	3/4		3/4		3/4		3/4		3/4	
5	450	5	1,528	5	2,604	5	3,630	5	4,591	5		5		5		5		5	
1/4	472	1/4	1,551	1/4	2,626	1/4	3,651	1/4	4,602	1/4		1/4		1/4		1/4		1/4	
1/2	495	1/2	1,573	1/2	2,648	1/2	3,671	1/2	4,614	1/2		1/2		1/2		1/2		1/2	
3/4	517	3/4	1,596	3/4	2,670	3/4	3,692	3/4	4,625	3/4		3/4		3/4		3/4		3/4	
6	539	6	1,618	6	2,692	6	3,712	6	4,636	6		6		6		6		6	
1/4	562	1/4	1,641	1/4	2,714	1/4	3,733	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	584	1/2	1,663	1/2	2,736	1/2	3,754	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	607	3/4	1,686	3/4	2,758	3/4	3,774	3/4		3/4		3/4		3/4		3/4		3/4	
7	629	7	1,708	7	2,780	7	3,795	7		7		7		7		7		7	
1/4	652	1/4	1,731	1/4	2,801	1/4	3,815	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	674	1/2	1,753	1/2	2,823	1/2	3,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,776	3/4	2,845	3/4	3,856	3/4		3/4		3/4		3/4		3/4		3/4	
8	719	8	1,798	8	2,867	8	3,876	8		8		8		8		8		8	
1/4	742	1/4	1,821	1/4	2,888	1/4	3,897	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	764	1/2	1,843	1/2	2,910	1/2	3,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	787	3/4	1,866	3/4	2,932	3/4	3,937	3/4		3/4		3/4		3/4		3/4		3/4	
9	809	9	1,888	9	2,953	9	3,958	9		9		9		9		9		9	
1/4	832	1/4	1,911	1/4	2,975	1/4	3,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	854	1/2	1,933	1/2	2,996	1/2	3,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	877	3/4	1,956	3/4	3,018	3/4	4,018	3/4		3/4		3/4		3/4		3/4		3/4	
10	899	10	1,978	10	3,039	10	4,038	10		10		10		10		10		10	
1/4	922	1/4	2,000	1/4	3,061	1/4	4,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	944	1/2	2,023	1/2	3,082	1/2	4,078	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	2,045	3/4	3,104	3/4	4,099	3/4		3/4		3/4		3/4		3/4		3/4	
11	989	11	2,068	11	3,125	11	4,119	11		11		11		11		11		11	
1/4	1,011	1/4	2,090	1/4	3,146	1/4	4,139	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,034	1/2	2,113	1/2	3,168	1/2	4,159	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,056	3/4	2,135	3/4	3,189	3/4	4,179	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.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

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Pearland, Texas 77588  
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# BARGE "CTCo 316"

## STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-11 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	1,079	0	2,158	0	3,210	0	4,199	0		0		0		0		0	
1/4	22	1/4	1,101	1/4	2,180	1/4	3,232	1/4	4,218	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	1,124	1/2	2,203	1/2	3,253	1/2	4,238	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	1,146	3/4	2,225	3/4	3,274	3/4	4,258	3/4		3/4		3/4		3/4		3/4	
1	90	1	1,169	1	2,248	1	3,295	1	4,278	1		1		1		1		1	
1/4	112	1/4	1,191	1/4	2,270	1/4	3,316	1/4	4,298	1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	1,214	1/2	2,293	1/2	3,337	1/2	4,318	1/2		1/2		1/2		1/2		1/2	
3/4	157	3/4	1,236	3/4	2,315	3/4	3,358	3/4	4,337	3/4		3/4		3/4		3/4		3/4	
2	180	2	1,259	2	2,337	2	3,379	2	4,357	2		2		2		2		2	
1/4	202	1/4	1,281	1/4	2,360	1/4	3,400	1/4	4,377	1/4		1/4		1/4		1/4		1/4	
1/2	225	1/2	1,304	1/2	2,382	1/2	3,421	1/2	4,396	1/2		1/2		1/2		1/2		1/2	
3/4	247	3/4	1,326	3/4	2,404	3/4	3,442	3/4	4,416	3/4		3/4		3/4		3/4		3/4	
3	270	3	1,349	3	2,427	3	3,463	3	4,436	3		3		3		3		3	
1/4	292	1/4	1,371	1/4	2,449	1/4	3,484	1/4	4,455	1/4		1/4		1/4		1/4		1/4	
1/2	315	1/2	1,394	1/2	2,471	1/2	3,505	1/2	4,475	1/2		1/2		1/2		1/2		1/2	
3/4	337	3/4	1,416	3/4	2,493	3/4	3,526	3/4	4,494	3/4		3/4		3/4		3/4		3/4	
4	360	4	1,439	4	2,516	4	3,547	4	4,514	4		4		4		4		4	
1/4	382	1/4	1,461	1/4	2,538	1/4	3,568	1/4	4,533	1/4		1/4		1/4		1/4		1/4	
1/2	405	1/2	1,484	1/2	2,560	1/2	3,588	1/2	4,552	1/2		1/2		1/2		1/2		1/2	
3/4	427	3/4	1,506	3/4	2,582	3/4	3,609	3/4	4,572	3/4		3/4		3/4		3/4		3/4	
5	450	5	1,528	5	2,604	5	3,630	5	4,591	5		5		5		5		5	
1/4	472	1/4	1,551	1/4	2,626	1/4	3,651	1/4	4,602	1/4		1/4		1/4		1/4		1/4	
1/2	495	1/2	1,573	1/2	2,648	1/2	3,671	1/2	4,614	1/2		1/2		1/2		1/2		1/2	
3/4	517	3/4	1,596	3/4	2,670	3/4	3,692	3/4	4,625	3/4		3/4		3/4		3/4		3/4	
6	539	6	1,618	6	2,692	6	3,712	6	4,636	6		6		6		6		6	
1/4	562	1/4	1,641	1/4	2,714	1/4	3,733	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	584	1/2	1,663	1/2	2,736	1/2	3,754	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	607	3/4	1,686	3/4	2,758	3/4	3,774	3/4		3/4		3/4		3/4		3/4		3/4	
7	629	7	1,708	7	2,780	7	3,795	7		7		7		7		7		7	
1/4	652	1/4	1,731	1/4	2,801	1/4	3,815	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	674	1/2	1,753	1/2	2,823	1/2	3,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	697	3/4	1,776	3/4	2,845	3/4	3,856	3/4		3/4		3/4		3/4		3/4		3/4	
8	719	8	1,798	8	2,867	8	3,876	8		8		8		8		8		8	
1/4	742	1/4	1,821	1/4	2,888	1/4	3,897	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	764	1/2	1,843	1/2	2,910	1/2	3,917	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	787	3/4	1,866	3/4	2,932	3/4	3,937	3/4		3/4		3/4		3/4		3/4		3/4	
9	809	9	1,888	9	2,953	9	3,958	9		9		9		9		9		9	
1/4	832	1/4	1,911	1/4	2,975	1/4	3,978	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	854	1/2	1,933	1/2	2,996	1/2	3,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	877	3/4	1,956	3/4	3,018	3/4	4,018	3/4		3/4		3/4		3/4		3/4		3/4	
10	899	10	1,978	10	3,039	10	4,038	10		10		10		10		10		10	
1/4	922	1/4	2,000	1/4	3,061	1/4	4,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	944	1/2	2,023	1/2	3,082	1/2	4,078	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	967	3/4	2,045	3/4	3,104	3/4	4,099	3/4		3/4		3/4		3/4		3/4		3/4	
11	989	11	2,068	11	3,125	11	4,119	11		11		11		11		11		11	
1/4	1,011	1/4	2,090	1/4	3,146	1/4	4,139	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,034	1/2	2,113	1/2	3,168	1/2	4,159	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,056	3/4	2,135	3/4	3,189	3/4	4,179	3/4		3/4		3/4		3/4		3/4		3/4	

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CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT MANWAY.

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# BARGE "CTCo 316"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-11 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	171	0	342	0	513	0	684	0		0		0		0		0	
1/4	4	1/4	174	1/4	345	1/4	516	1/4	687	1/4		1/4		1/4		1/4		1/4	
1/2	7	1/2	178	1/2	349	1/2	520	1/2	691	1/2		1/2		1/2		1/2		1/2	
3/4	11	3/4	182	3/4	352	3/4	523	3/4	694	3/4		3/4		3/4		3/4		3/4	
1	14	1	185	1	356	1	527	1	698	1		1		1		1		1	
1/4	18	1/4	189	1/4	360	1/4	531	1/4	701	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	192	1/2	363	1/2	534	1/2	705	1/2		1/2		1/2		1/2		1/2	
3/4	25	3/4	196	3/4	367	3/4	538	3/4	709	3/4		3/4		3/4		3/4		3/4	
2	28	2	199	2	370	2	541	2	712	2		2		2		2		2	
1/4	32	1/4	203	1/4	374	1/4	545	1/4	716	1/4		1/4		1/4		1/4		1/4	
1/2	36	1/2	207	1/2	377	1/2	548	1/2	719	1/2		1/2		1/2		1/2		1/2	
3/4	39	3/4	210	3/4	381	3/4	552	3/4	723	3/4		3/4		3/4		3/4		3/4	
3	43	3	214	3	385	3	555	3	726	3		3		3		3		3	
1/4	46	1/4	217	1/4	388	1/4	559	1/4	730	1/4		1/4		1/4		1/4		1/4	
1/2	50	1/2	221	1/2	392	1/2	563	1/2	733	1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	224	3/4	395	3/4	566	3/4	737	3/4		3/4		3/4		3/4		3/4	
4	57	4	228	4	399	4	570	4	741	4		4		4		4		4	
1/4	61	1/4	231	1/4	402	1/4	573	1/4	744	1/4		1/4		1/4		1/4		1/4	
1/2	64	1/2	235	1/2	406	1/2	577	1/2	748	1/2		1/2		1/2		1/2		1/2	
3/4	68	3/4	239	3/4	409	3/4	580	3/4	751	3/4		3/4		3/4		3/4		3/4	
5	71	5	242	5	413	5	584	5	755	5		5		5		5		5	
1/4	75	1/4	246	1/4	417	1/4	587	1/4	758	1/4		1/4		1/4		1/4		1/4	
1/2	78	1/2	249	1/2	420	1/2	591	1/2	762	1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	253	3/4	424	3/4	595	3/4	766	3/4		3/4		3/4		3/4		3/4	
6	85	6	256	6	427	6	598	6	769	6		6		6		6		6	
1/4	89	1/4	260	1/4	431	1/4	602	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	93	1/2	263	1/2	434	1/2	605	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	96	3/4	267	3/4	438	3/4	609	3/4		3/4		3/4		3/4		3/4		3/4	
7	100	7	271	7	442	7	612	7		7		7		7		7		7	
1/4	103	1/4	274	1/4	445	1/4	616	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	107	1/2	278	1/2	449	1/2	620	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	110	3/4	281	3/4	452	3/4	623	3/4		3/4		3/4		3/4		3/4		3/4	
8	114	8	285	8	456	8	627	8		8		8		8		8		8	
1/4	117	1/4	288	1/4	459	1/4	630	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	121	1/2	292	1/2	463	1/2	634	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125	3/4	296	3/4	466	3/4	637	3/4		3/4		3/4		3/4		3/4		3/4	
9	128	9	299	9	470	9	641	9		9		9		9		9		9	
1/4	132	1/4	303	1/4	474	1/4	644	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	135	1/2	306	1/2	477	1/2	648	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	139	3/4	310	3/4	481	3/4	652	3/4		3/4		3/4		3/4		3/4		3/4	
10	142	10	313	10	484	10	655	10		10		10		10		10		10	
1/4	146	1/4	317	1/4	488	1/4	659	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	150	1/2	320	1/2	491	1/2	662	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153	3/4	324	3/4	495	3/4	666	3/4		3/4		3/4		3/4		3/4		3/4	
11	157	11	328	11	498	11	669	11		11		11		11		11		11	
1/4	160	1/4	331	1/4	502	1/4	673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	335	1/2	506	1/2	676	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167	3/4	338	3/4	509	3/4	680	3/4		3/4		3/4		3/4		3/4		3/4	

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