



BARGE "CTCo 314"

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 10, 2013

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 314"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	23.53	0	326.14	0	684.66	0	1,050.48	0	1,417.51	0	1,785.04	0	2,152.57	0	2,520.10	0	2,887.63	0	3,255.04
1/4	28.03	1/4	333.20	1/4	692.32	1/4	1,058.09	1/4	1,425.17	1/4	1,792.70	1/4	2,160.23	1/4	2,527.76	1/4	2,895.29	1/4	3,262.69
1/2	32.52	1/2	340.27	1/2	699.98	1/2	1,065.70	1/2	1,432.82	1/2	1,800.35	1/2	2,167.89	1/2	2,535.42	1/2	2,902.95	1/2	3,270.35
3/4	37.02	3/4	347.33	3/4	707.63	3/4	1,073.32	3/4	1,440.48	3/4	1,808.01	3/4	2,175.54	3/4	2,543.07	3/4	2,910.61	3/4	3,278.00
1	41.51	1	354.40	1	715.29	1	1,080.93	1	1,448.14	1	1,815.67	1	2,183.20	1	2,550.73	1	2,918.26	1	3,285.65
1/4	47.07	1/4	361.56	1/4	722.95	1/4	1,088.55	1/4	1,455.79	1/4	1,823.33	1/4	2,190.86	1/4	2,558.39	1/4	2,925.92	1/4	3,293.31
1/2	52.63	1/2	368.71	1/2	730.60	1/2	1,096.17	1/2	1,463.45	1/2	1,830.98	1/2	2,198.51	1/2	2,566.04	1/2	2,933.58	1/2	3,300.96
3/4	58.19	3/4	375.87	3/4	738.26	3/4	1,103.79	3/4	1,471.11	3/4	1,838.64	3/4	2,206.17	3/4	2,573.70	3/4	2,941.23	3/4	3,308.61
2	63.74	2	383.03	2	745.92	2	1,111.41	2	1,478.76	2	1,846.30	2	2,213.83	2	2,581.36	2	2,948.89	2	3,316.26
1/4	69.87	1/4	390.28	1/4	753.57	1/4	1,119.04	1/4	1,486.42	1/4	1,853.95	1/4	2,221.48	1/4	2,589.02	1/4	2,956.55	1/4	3,323.92
1/2	75.99	1/2	397.52	1/2	761.23	1/2	1,126.67	1/2	1,494.08	1/2	1,861.61	1/2	2,229.14	1/2	2,596.67	1/2	2,964.20	1/2	3,331.57
3/4	82.11	3/4	404.77	3/4	768.89	3/4	1,134.29	3/4	1,501.74	3/4	1,869.27	3/4	2,236.80	3/4	2,604.33	3/4	2,971.86	3/4	3,339.22
3	88.23	3	412.02	3	776.54	3	1,141.92	3	1,509.39	3	1,876.92	3	2,244.45	3	2,611.99	3	2,979.52	3	3,346.88
1/4	94.46	1/4	419.36	1/4	784.17	1/4	1,149.56	1/4	1,517.05	1/4	1,884.58	1/4	2,252.11	1/4	2,619.64	1/4	2,987.18	1/4	3,354.53
1/2	100.69	1/2	426.70	1/2	791.81	1/2	1,157.20	1/2	1,524.71	1/2	1,892.24	1/2	2,259.77	1/2	2,627.30	1/2	2,994.83	1/2	3,362.18
3/4	106.92	3/4	434.04	3/4	799.44	3/4	1,164.85	3/4	1,532.36	3/4	1,899.89	3/4	2,267.43	3/4	2,634.96	3/4	3,002.49	3/4	3,369.84
4	113.15	4	441.37	4	807.07	4	1,172.49	4	1,540.02	4	1,907.55	4	2,275.08	4	2,642.61	4	3,010.15	4	3,377.49
1/4	119.48	1/4	448.80	1/4	814.68	1/4	1,180.15	1/4	1,547.68	1/4	1,915.21	1/4	2,282.74	1/4	2,650.27	1/4	3,017.80	1/4	3,385.14
1/2	125.81	1/2	456.23	1/2	822.28	1/2	1,187.80	1/2	1,555.33	1/2	1,922.87	1/2	2,290.40	1/2	2,657.93	1/2	3,025.45	1/2	3,392.79
3/4	132.14	3/4	463.66	3/4	829.89	3/4	1,195.46	3/4	1,562.99	3/4	1,930.52	3/4	2,298.05	3/4	2,665.58	3/4	3,033.11	3/4	3,400.45
5	138.47	5	471.09	5	837.49	5	1,203.12	5	1,570.65	5	1,938.18	5	2,305.71	5	2,673.24	5	3,040.76	5	3,408.10
1/4	144.90	1/4	478.61	1/4	845.10	1/4	1,210.77	1/4	1,578.30	1/4	1,945.84	1/4	2,313.37	1/4	2,680.90	1/4	3,048.41	1/4	3,415.75
1/2	151.33	1/2	486.13	1/2	852.71	1/2	1,218.43	1/2	1,585.96	1/2	1,953.49	1/2	2,321.02	1/2	2,688.56	1/2	3,056.07	1/2	3,423.41
3/4	157.75	3/4	493.65	3/4	860.31	3/4	1,226.09	3/4	1,593.62	3/4	1,961.15	3/4	2,328.68	3/4	2,696.21	3/4	3,063.72	3/4	3,431.06
6	164.18	6	501.17	6	867.92	6	1,233.74	6	1,601.28	6	1,968.81	6	2,336.34	6	2,703.87	6	3,071.37	6	3,438.71
1/4	170.70	1/4	508.77	1/4	875.52	1/4	1,241.40	1/4	1,608.93	1/4	1,976.46	1/4	2,343.99	1/4	2,711.53	1/4	3,079.02	1/4	3,446.36
1/2	177.22	1/2	516.37	1/2	883.13	1/2	1,249.06	1/2	1,616.59	1/2	1,984.12	1/2	2,351.65	1/2	2,719.18	1/2	3,086.68	1/2	3,454.02
3/4	183.74	3/4	523.97	3/4	890.74	3/4	1,256.71	3/4	1,624.25	3/4	1,991.78	3/4	2,359.31	3/4	2,726.84	3/4	3,094.33	3/4	3,461.67
7	190.26	7	531.57	7	898.34	7	1,264.37	7	1,631.90	7	1,999.43	7	2,366.97	7	2,734.50	7	3,101.98	7	3,469.32
1/4	196.88	1/4	539.22	1/4	905.95	1/4	1,272.03	1/4	1,639.56	1/4	2,007.09	1/4	2,374.62	1/4	2,742.15	1/4	3,109.64	1/4	3,476.98
1/2	203.49	1/2	546.86	1/2	913.55	1/2	1,279.69	1/2	1,647.22	1/2	2,014.75	1/2	2,382.28	1/2	2,749.81	1/2	3,117.29	1/2	3,484.63
3/4	210.10	3/4	554.51	3/4	921.16	3/4	1,287.34	3/4	1,654.87	3/4	2,022.40	3/4	2,389.94	3/4	2,757.47	3/4	3,124.94	3/4	3,492.28
8	216.71	8	562.16	8	928.77	8	1,295.00	8	1,662.53	8	2,030.06	8	2,397.59	8	2,765.12	8	3,132.60	8	3,499.93
1/4	223.42	1/4	569.81	1/4	936.37	1/4	1,302.66	1/4	1,670.19	1/4	2,037.72	1/4	2,405.25	1/4	2,772.78	1/4	3,140.25	1/4	3,507.59
1/2	230.12	1/2	577.47	1/2	943.98	1/2	1,310.31	1/2	1,677.84	1/2	2,045.38	1/2	2,412.91	1/2	2,780.44	1/2	3,147.90	1/2	3,515.24
3/4	236.82	3/4	585.13	3/4	951.58	3/4	1,317.97	3/4	1,685.50	3/4	2,053.03	3/4	2,420.56	3/4	2,788.09	3/4	3,155.55	3/4	3,522.89
9	243.52	9	592.78	9	959.19	9	1,325.63	9	1,693.16	9	2,060.69	9	2,428.22	9	2,795.75	9	3,163.21	9	3,530.55
1/4	250.32	1/4	600.44	1/4	966.80	1/4	1,333.28	1/4	1,700.82	1/4	2,068.35	1/4	2,435.88	1/4	2,803.41	1/4	3,170.86	1/4	3,538.19
1/2	257.11	1/2	608.10	1/2	974.40	1/2	1,340.94	1/2	1,708.47	1/2	2,076.00	1/2	2,443.53	1/2	2,811.07	1/2	3,178.51	1/2	3,545.84
3/4	263.90	3/4	615.75	3/4	982.01	3/4	1,348.60	3/4	1,716.13	3/4	2,083.66	3/4	2,451.19	3/4	2,818.72	3/4	3,186.17	3/4	3,553.49
10	270.70	10	623.41	10	989.61	10	1,356.25	10	1,723.79	10	2,091.32	10	2,458.85	10	2,826.38	10	3,193.82	10	3,561.14
1/4	277.58	1/4	631.07	1/4	997.22	1/4	1,363.91	1/4	1,731.44	1/4	2,098.97	1/4	2,466.50	1/4	2,834.04	1/4	3,201.47	1/4	3,568.78
1/2	284.47	1/2	638.72	1/2	1,004.83	1/2	1,371.57	1/2	1,739.10	1/2	2,106.63	1/2	2,474.16	1/2	2,841.69	1/2	3,209.12	1/2	3,576.42
3/4	291.35	3/4	646.38	3/4	1,012.43	3/4	1,379.23	3/4	1,746.76	3/4	2,114.29	3/4	2,481.82	3/4	2,849.35	3/4	3,216.78	3/4	3,584.06
11	298.23	11	654.04	11	1,020.04	11	1,386.88	11	1,754.41	11	2,121.94	11	2,489.48	11	2,857.01	11	3,224.43	11	3,591.70
1/4	305.21	1/4	661.69	1/4	1,027.65	1/4	1,394.54	1/4	1,762.07	1/4	2,129.60	1/4	2,497.13	1/4	2,864.66	1/4	3,232.08	1/4	3,599.34
1/2	312.19	1/2	669.35	1/2	1,035.26	1/2	1,402.20	1/2	1,769.73	1/2	2,137.26	1/2	2,504.79	1/2	2,872.32	1/2	3,239.74	1/2	3,606.98
3/4	319.16	3/4	677.01	3/4	1,042.87	3/4	1,409.85	3/4	1,777.38	3/4	2,144.92	3/4	2,512.45	3/4	2,879.98	3/4	3,247.39	3/4	3,614.63

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 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CTCo 314"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	3,622.27	0	3,989.05	0	4,352.99	0	4,698.22	0	5,031.70	0		0		0		0		0	
1/4	3,629.91	1/4	3,996.69	1/4	4,360.39	1/4	4,705.18	1/4	5,039.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,637.55	1/2	4,004.33	1/2	4,367.79	1/2	4,712.14	1/2	5,046.86	1/2		1/2		1/2		1/2		1/2	
3/4	3,645.19	3/4	4,011.97	3/4	4,375.20	3/4	4,719.10	3/4	5,054.45	3/4		3/4		3/4		3/4		3/4	
1	3,652.83	1	4,019.61	1	4,382.60	1	4,726.05	1	5,062.03	1		1		1		1		1	
1/4	3,660.47	1/4	4,027.26	1/4	4,389.96	1/4	4,732.96	1/4	5,069.23	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.11	1/2	4,034.90	1/2	4,397.33	1/2	4,739.86	1/2	5,076.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,675.76	3/4	4,042.54	3/4	4,404.70	3/4	4,746.77	3/4	5,083.64	3/4		3/4		3/4		3/4		3/4	
2	3,683.40	2	4,050.18	2	4,412.07	2	4,753.67	2	5,090.84	2		2		2		2		2	
1/4	3,691.04	1/4	4,057.82	1/4	4,419.39	1/4	4,760.52	1/4	5,096.89	1/4		1/4		1/4		1/4		1/4	
1/2	3,698.68	1/2	4,065.46	1/2	4,426.71	1/2	4,767.37	1/2	5,102.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,706.32	3/4	4,073.10	3/4	4,434.04	3/4	4,774.22	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,713.96	3	4,080.74	3	4,441.36	3	4,781.07	3		3		3		3		3		3	
1/4	3,721.60	1/4	4,088.39	1/4	4,448.63	1/4	4,787.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,729.24	1/2	4,096.03	1/2	4,455.91	1/2	4,794.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,736.89	3/4	4,103.67	3/4	4,463.18	3/4	4,801.53	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,744.53	4	4,111.31	4	4,470.46	4	4,808.34	4		4		4		4		4		4	
1/4	3,752.17	1/4	4,118.95	1/4	4,477.69	1/4	4,815.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.81	1/2	4,126.59	1/2	4,484.93	1/2	4,821.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,767.45	3/4	4,134.23	3/4	4,492.17	3/4	4,828.69	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,775.09	5	4,141.87	5	4,499.40	5	4,835.48	5		5		5		5		5		5	
1/4	3,782.73	1/4	4,149.51	1/4	4,506.60	1/4	4,842.23	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,790.38	1/2	4,157.14	1/2	4,513.81	1/2	4,848.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,798.02	3/4	4,164.78	3/4	4,521.01	3/4	4,855.73	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,805.66	6	4,172.41	6	4,528.21	6	4,862.48	6		6		6		6		6		6	
1/4	3,813.30	1/4	4,180.02	1/4	4,535.38	1/4	4,869.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,820.94	1/2	4,187.64	1/2	4,542.55	1/2	4,875.90	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,828.58	3/4	4,195.25	3/4	4,549.72	3/4	4,882.61	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,836.22	7	4,202.86	7	4,556.89	7	4,889.32	7		7		7		7		7		7	
1/4	3,843.86	1/4	4,210.44	1/4	4,564.02	1/4	4,896.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,851.51	1/2	4,218.02	1/2	4,571.16	1/2	4,902.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.15	3/4	4,225.60	3/4	4,578.29	3/4	4,909.35	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,866.79	8	4,233.17	8	4,585.43	8	4,916.03	8		8		8		8		8		8	
1/4	3,874.43	1/4	4,240.72	1/4	4,592.53	1/4	4,922.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.07	1/2	4,248.26	1/2	4,599.63	1/2	4,929.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.71	3/4	4,255.81	3/4	4,606.73	3/4	4,935.96	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,897.35	9	4,263.35	9	4,613.83	9	4,942.60	9		9		9		9		9		9	
1/4	3,904.99	1/4	4,270.86	1/4	4,620.90	1/4	4,949.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,912.64	1/2	4,278.37	1/2	4,627.97	1/2	4,956.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,920.28	3/4	4,285.87	3/4	4,635.03	3/4	4,963.92	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,927.92	10	4,293.38	10	4,642.10	10	4,971.03	10		10		10		10		10		10	
1/4	3,935.56	1/4	4,300.85	1/4	4,649.14	1/4	4,978.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,943.20	1/2	4,308.32	1/2	4,656.17	1/2	4,986.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,950.84	3/4	4,315.78	3/4	4,663.20	3/4	4,993.78	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,958.48	11	4,323.25	11	4,670.24	11	5,001.36	11		11		11		11		11		11	
1/4	3,966.12	1/4	4,330.69	1/4	4,677.23	1/4	5,008.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,973.77	1/2	4,338.12	1/2	4,684.23	1/2	5,016.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,981.41	3/4	4,345.56	3/4	4,691.23	3/4	5,024.11	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCo 314"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	23.53	0	325.86	0	683.81	0	1,050.36	0	1,417.33	0	1,784.34	0	2,151.36	0	2,518.37	0	2,885.38	0	3,252.26
1/4	28.03	1/4	332.91	1/4	691.45	1/4	1,058.00	1/4	1,424.98	1/4	1,791.99	1/4	2,159.00	1/4	2,526.02	1/4	2,893.03	1/4	3,259.90
1/2	32.53	1/2	339.97	1/2	699.10	1/2	1,065.64	1/2	1,432.62	1/2	1,799.64	1/2	2,166.65	1/2	2,533.66	1/2	2,900.67	1/2	3,267.54
3/4	37.02	3/4	347.02	3/4	706.74	3/4	1,073.28	3/4	1,440.27	3/4	1,807.28	3/4	2,174.30	3/4	2,541.31	3/4	2,908.32	3/4	3,275.19
1	41.52	1	354.08	1	714.39	1	1,080.92	1	1,447.92	1	1,814.93	1	2,181.94	1	2,548.95	1	2,915.97	1	3,282.83
1/4	47.08	1/4	361.22	1/4	722.03	1/4	1,088.56	1/4	1,455.56	1/4	1,822.57	1/4	2,189.59	1/4	2,556.60	1/4	2,923.61	1/4	3,290.47
1/2	52.63	1/2	368.37	1/2	729.68	1/2	1,096.20	1/2	1,463.21	1/2	1,830.22	1/2	2,197.23	1/2	2,564.25	1/2	2,931.26	1/2	3,298.11
3/4	58.19	3/4	375.52	3/4	737.33	3/4	1,103.84	3/4	1,470.85	3/4	1,837.87	3/4	2,204.88	3/4	2,571.89	3/4	2,938.91	3/4	3,305.75
2	63.75	2	382.66	2	744.97	2	1,111.49	2	1,478.50	2	1,845.51	2	2,212.53	2	2,579.54	2	2,946.55	2	3,313.40
1/4	69.88	1/4	389.90	1/4	752.62	1/4	1,119.13	1/4	1,486.15	1/4	1,853.16	1/4	2,220.17	1/4	2,587.18	1/4	2,954.20	1/4	3,321.04
1/2	76.00	1/2	397.14	1/2	760.26	1/2	1,126.78	1/2	1,493.79	1/2	1,860.81	1/2	2,227.82	1/2	2,594.83	1/2	2,961.84	1/2	3,328.68
3/4	82.12	3/4	404.37	3/4	767.91	3/4	1,134.43	3/4	1,501.44	3/4	1,868.45	3/4	2,235.46	3/4	2,602.48	3/4	2,969.49	3/4	3,336.32
3	88.24	3	411.61	3	775.56	3	1,142.07	3	1,509.08	3	1,876.10	3	2,243.11	3	2,610.12	3	2,977.14	3	3,343.96
1/4	94.47	1/4	418.94	1/4	783.20	1/4	1,149.72	1/4	1,516.73	1/4	1,883.74	1/4	2,250.76	1/4	2,617.77	1/4	2,984.78	1/4	3,351.61
1/2	100.71	1/2	426.27	1/2	790.83	1/2	1,157.36	1/2	1,524.38	1/2	1,891.39	1/2	2,258.40	1/2	2,625.42	1/2	2,992.42	1/2	3,359.25
3/4	106.94	3/4	433.59	3/4	798.47	3/4	1,165.01	3/4	1,532.02	3/4	1,899.04	3/4	2,266.05	3/4	2,633.06	3/4	3,000.07	3/4	3,366.89
4	113.17	4	440.92	4	806.11	4	1,172.66	4	1,539.67	4	1,906.68	4	2,273.69	4	2,640.71	4	3,007.71	4	3,374.53
1/4	119.50	1/4	448.34	1/4	813.74	1/4	1,180.30	1/4	1,547.32	1/4	1,914.33	1/4	2,281.34	1/4	2,648.35	1/4	3,015.35	1/4	3,382.18
1/2	125.83	1/2	455.76	1/2	821.38	1/2	1,187.95	1/2	1,554.96	1/2	1,921.97	1/2	2,288.99	1/2	2,656.00	1/2	3,023.00	1/2	3,389.82
3/4	132.15	3/4	463.18	3/4	829.01	3/4	1,195.59	3/4	1,562.61	3/4	1,929.62	3/4	2,296.63	3/4	2,663.65	3/4	3,030.64	3/4	3,397.46
5	138.48	5	470.60	5	836.64	5	1,203.24	5	1,570.25	5	1,937.27	5	2,304.28	5	2,671.29	5	3,038.28	5	3,405.10
1/4	144.90	1/4	478.11	1/4	844.27	1/4	1,210.89	1/4	1,577.90	1/4	1,944.91	1/4	2,311.93	1/4	2,678.94	1/4	3,045.92	1/4	3,412.74
1/2	151.32	1/2	485.62	1/2	851.90	1/2	1,218.53	1/2	1,585.55	1/2	1,952.56	1/2	2,319.57	1/2	2,686.58	1/2	3,053.56	1/2	3,420.39
3/4	157.74	3/4	493.13	3/4	859.54	3/4	1,226.18	3/4	1,593.19	3/4	1,960.20	3/4	2,327.22	3/4	2,694.23	3/4	3,061.21	3/4	3,428.03
6	164.16	6	500.64	6	867.17	6	1,233.83	6	1,600.84	6	1,967.85	6	2,334.86	6	2,701.88	6	3,068.85	6	3,435.67
1/4	170.67	1/4	508.22	1/4	874.80	1/4	1,241.47	1/4	1,608.48	1/4	1,975.50	1/4	2,342.51	1/4	2,709.52	1/4	3,076.49	1/4	3,443.31
1/2	177.18	1/2	515.81	1/2	882.43	1/2	1,249.12	1/2	1,616.13	1/2	1,983.14	1/2	2,350.16	1/2	2,717.17	1/2	3,084.13	1/2	3,450.95
3/4	183.69	3/4	523.39	3/4	890.07	3/4	1,256.76	3/4	1,623.78	3/4	1,990.79	3/4	2,357.80	3/4	2,724.81	3/4	3,091.78	3/4	3,458.60
7	190.20	7	530.98	7	897.70	7	1,264.41	7	1,631.42	7	1,998.43	7	2,365.45	7	2,732.46	7	3,099.42	7	3,466.24
1/4	196.80	1/4	538.61	1/4	905.33	1/4	1,272.06	1/4	1,639.07	1/4	2,006.08	1/4	2,373.09	1/4	2,740.11	1/4	3,107.06	1/4	3,473.88
1/2	203.40	1/2	546.23	1/2	912.96	1/2	1,279.70	1/2	1,646.71	1/2	2,013.73	1/2	2,380.74	1/2	2,747.75	1/2	3,114.70	1/2	3,481.52
3/4	210.00	3/4	553.86	3/4	920.59	3/4	1,287.35	3/4	1,654.36	3/4	2,021.37	3/4	2,388.39	3/4	2,755.40	3/4	3,122.34	3/4	3,489.16
8	216.60	8	561.49	8	928.23	8	1,294.99	8	1,662.01	8	2,029.02	8	2,396.03	8	2,763.04	8	3,129.99	8	3,496.81
1/4	223.30	1/4	569.13	1/4	935.86	1/4	1,302.64	1/4	1,669.65	1/4	2,036.67	1/4	2,403.68	1/4	2,770.69	1/4	3,137.63	1/4	3,504.45
1/2	229.99	1/2	576.77	1/2	943.49	1/2	1,310.29	1/2	1,677.30	1/2	2,044.31	1/2	2,411.32	1/2	2,778.34	1/2	3,145.27	1/2	3,512.09
3/4	236.68	3/4	584.41	3/4	951.12	3/4	1,317.93	3/4	1,684.94	3/4	2,051.96	3/4	2,418.97	3/4	2,785.98	3/4	3,152.91	3/4	3,519.73
9	243.37	9	592.05	9	958.76	9	1,325.58	9	1,692.59	9	2,059.60	9	2,426.62	9	2,793.63	9	3,160.55	9	3,527.37
1/4	250.15	1/4	599.70	1/4	966.39	1/4	1,333.22	1/4	1,700.24	1/4	2,067.25	1/4	2,434.26	1/4	2,801.28	1/4	3,168.20	1/4	3,535.02
1/2	256.94	1/2	607.35	1/2	974.02	1/2	1,340.87	1/2	1,707.88	1/2	2,074.90	1/2	2,441.91	1/2	2,808.92	1/2	3,175.84	1/2	3,542.66
3/4	263.72	3/4	614.99	3/4	981.65	3/4	1,348.52	3/4	1,715.53	3/4	2,082.54	3/4	2,449.55	3/4	2,816.57	3/4	3,183.48	3/4	3,550.30
10	270.50	10	622.64	10	989.28	10	1,356.16	10	1,723.18	10	2,090.19	10	2,457.20	10	2,824.21	10	3,191.12	10	3,557.94
1/4	277.38	1/4	630.28	1/4	996.92	1/4	1,363.81	1/4	1,730.82	1/4	2,097.83	1/4	2,464.85	1/4	2,831.86	1/4	3,198.76	1/4	3,565.59
1/2	284.25	1/2	637.93	1/2	1,004.55	1/2	1,371.45	1/2	1,738.47	1/2	2,105.48	1/2	2,472.49	1/2	2,839.51	1/2	3,206.41	1/2	3,573.23
3/4	291.12	3/4	645.58	3/4	1,012.18	3/4	1,379.10	3/4	1,746.11	3/4	2,113.13	3/4	2,480.14	3/4	2,847.15	3/4	3,214.05	3/4	3,580.87
11	298.00	11	653.22	11	1,019.81	11	1,386.75	11	1,753.76	11	2,120.77	11	2,487.79	11	2,854.80	11	3,221.69	11	3,588.51
1/4	304.96	1/4	660.87	1/4	1,027.45	1/4	1,394.39	1/4	1,761.41	1/4	2,128.42	1/4	2,495.43	1/4	2,862.44	1/4	3,229.33	1/4	3,596.15
1/2	311.93	1/2	668.51	1/2	1,035.09	1/2	1,402.04	1/2	1,769.05	1/2	2,136.06	1/2	2,503.08	1/2	2,870.09	1/2	3,236.98	1/2	3,603.80
3/4	318.89	3/4	676.16	3/4	1,042.72	3/4	1,409.69	3/4	1,776.70	3/4	2,143.71	3/4	2,510.72	3/4	2,877.74	3/4	3,244.62	3/4	3,611.44

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 44'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "CTCo 314"

**1 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	3,619.08	0	3,985.90	0	4,349.88	0	4,695.15	0	5,028.66	0		0		0		0		0	
1/4	3,626.72	1/4	3,993.54	1/4	4,357.28	1/4	4,702.11	1/4	5,036.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.36	1/2	4,001.19	1/2	4,364.68	1/2	4,709.07	1/2	5,043.83	1/2		1/2		1/2		1/2		1/2	
3/4	3,642.01	3/4	4,008.83	3/4	4,372.09	3/4	4,716.03	3/4	5,051.42	3/4		3/4		3/4		3/4		3/4	
1	3,649.65	1	4,016.47	1	4,379.49	1	4,722.98	1	5,059.00	1		1		1		1		1	
1/4	3,657.29	1/4	4,024.11	1/4	4,386.86	1/4	4,729.89	1/4	5,066.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,664.93	1/2	4,031.75	1/2	4,394.23	1/2	4,736.79	1/2	5,073.40	1/2		1/2		1/2		1/2		1/2	
3/4	3,672.57	3/4	4,039.40	3/4	4,401.59	3/4	4,743.70	3/4	5,080.60	3/4		3/4		3/4		3/4		3/4	
2	3,680.22	2	4,047.04	2	4,408.96	2	4,750.60	2	5,087.81	2		2		2		2		2	
1/4	3,687.86	1/4	4,054.68	1/4	4,416.29	1/4	4,757.46	1/4	5,093.86	1/4		1/4		1/4		1/4		1/4	
1/2	3,695.50	1/2	4,062.32	1/2	4,423.61	1/2	4,764.31	1/2	5,099.91	1/2		1/2		1/2		1/2		1/2	
3/4	3,703.14	3/4	4,069.96	3/4	4,430.93	3/4	4,771.16	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,710.79	3	4,077.61	3	4,438.26	3	4,778.01	3		3		3		3		3		3	
1/4	3,718.43	1/4	4,085.25	1/4	4,445.53	1/4	4,784.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,726.07	1/2	4,092.89	1/2	4,452.81	1/2	4,791.65	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,733.71	3/4	4,100.53	3/4	4,460.08	3/4	4,798.47	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,741.35	4	4,108.17	4	4,467.36	4	4,805.28	4		4		4		4		4		4	
1/4	3,749.00	1/4	4,115.82	1/4	4,474.59	1/4	4,812.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.64	1/2	4,123.46	1/2	4,481.83	1/2	4,818.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,764.28	3/4	4,131.10	3/4	4,489.07	3/4	4,825.64	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,771.92	5	4,138.74	5	4,496.31	5	4,832.42	5		5		5		5		5		5	
1/4	3,779.56	1/4	4,146.38	1/4	4,503.51	1/4	4,839.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,787.21	1/2	4,154.01	1/2	4,510.71	1/2	4,845.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,794.85	3/4	4,161.65	3/4	4,517.92	3/4	4,852.67	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,802.49	6	4,169.28	6	4,525.12	6	4,859.42	6		6		6		6		6		6	
1/4	3,810.13	1/4	4,176.90	1/4	4,532.29	1/4	4,866.14	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,817.77	1/2	4,184.51	1/2	4,539.46	1/2	4,872.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,825.42	3/4	4,192.12	3/4	4,546.63	3/4	4,879.56	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,833.06	7	4,199.73	7	4,553.80	7	4,886.27	7		7		7		7		7		7	
1/4	3,840.70	1/4	4,207.31	1/4	4,560.93	1/4	4,892.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,848.34	1/2	4,214.89	1/2	4,568.07	1/2	4,899.63	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,855.99	3/4	4,222.47	3/4	4,575.20	3/4	4,906.30	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,863.63	8	4,230.05	8	4,582.34	8	4,912.98	8		8		8		8		8		8	
1/4	3,871.27	1/4	4,237.60	1/4	4,589.44	1/4	4,919.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,878.91	1/2	4,245.14	1/2	4,596.54	1/2	4,926.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,886.55	3/4	4,252.69	3/4	4,603.65	3/4	4,932.91	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,894.20	9	4,260.23	9	4,610.75	9	4,939.56	9		9		9		9		9		9	
1/4	3,901.84	1/4	4,267.74	1/4	4,617.82	1/4	4,946.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,909.48	1/2	4,275.25	1/2	4,624.89	1/2	4,953.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,917.12	3/4	4,282.75	3/4	4,631.95	3/4	4,960.88	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,924.76	10	4,290.26	10	4,639.02	10	4,967.98	10		10		10		10		10		10	
1/4	3,932.41	1/4	4,297.73	1/4	4,646.06	1/4	4,975.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,940.05	1/2	4,305.20	1/2	4,653.09	1/2	4,983.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,947.69	3/4	4,312.67	3/4	4,660.13	3/4	4,990.74	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,955.33	11	4,320.14	11	4,667.16	11	4,998.32	11		11		11		11		11		11	
1/4	3,962.97	1/4	4,327.57	1/4	4,674.16	1/4	5,005.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,970.62	1/2	4,335.01	1/2	4,681.16	1/2	5,013.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,978.26	3/4	4,342.44	3/4	4,688.15	3/4	5,021.08	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CTCo 314"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	23.70	0	359.13	0	703.72	0	1,037.99	0	1,378.55	0	1,723.16	0	2,067.76	0	2,412.37	0	2,756.97	0	3,101.43
1/4	29.08	1/4	366.30	1/4	710.90	1/4	1,044.87	1/4	1,385.73	1/4	1,730.33	1/4	2,074.94	1/4	2,419.55	1/4	2,764.15	1/4	3,108.60
1/2	34.46	1/2	373.48	1/2	718.08	1/2	1,051.75	1/2	1,392.91	1/2	1,737.51	1/2	2,082.12	1/2	2,426.73	1/2	2,771.33	1/2	3,115.78
3/4	39.85	3/4	380.66	3/4	725.25	3/4	1,058.64	3/4	1,400.09	3/4	1,744.69	3/4	2,089.30	3/4	2,433.91	3/4	2,778.51	3/4	3,122.96
1	45.23	1	387.84	1	732.43	1	1,065.52	1	1,407.27	1	1,751.87	1	2,096.48	1	2,441.09	1	2,785.69	1	3,130.13
1/4	51.94	1/4	395.02	1/4	739.61	1/4	1,072.41	1/4	1,414.45	1/4	1,759.05	1/4	2,103.66	1/4	2,448.26	1/4	2,792.87	1/4	3,137.31
1/2	58.66	1/2	402.20	1/2	746.79	1/2	1,079.30	1/2	1,421.62	1/2	1,766.23	1/2	2,110.84	1/2	2,455.44	1/2	2,800.05	1/2	3,144.48
3/4	65.37	3/4	409.38	3/4	753.97	3/4	1,086.19	3/4	1,428.80	3/4	1,773.41	3/4	2,118.02	3/4	2,462.62	3/4	2,807.23	3/4	3,151.66
2	72.08	2	416.56	2	761.15	2	1,093.08	2	1,435.98	2	1,780.59	2	2,125.20	2	2,469.80	2	2,814.41	2	3,158.83
1/4	79.24	1/4	423.74	1/4	768.33	1/4	1,099.97	1/4	1,443.16	1/4	1,787.77	1/4	2,132.38	1/4	2,476.98	1/4	2,821.59	1/4	3,166.01
1/2	86.39	1/2	430.92	1/2	775.51	1/2	1,106.87	1/2	1,450.34	1/2	1,794.95	1/2	2,139.55	1/2	2,484.16	1/2	2,828.77	1/2	3,173.18
3/4	93.55	3/4	438.09	3/4	782.69	3/4	1,113.76	3/4	1,457.52	3/4	1,802.13	3/4	2,146.73	3/4	2,491.34	3/4	2,835.95	3/4	3,180.36
3	100.71	3	445.27	3	789.87	3	1,120.66	3	1,464.70	3	1,809.31	3	2,153.91	3	2,498.52	3	2,843.13	3	3,187.53
1/4	107.88	1/4	452.45	1/4	796.89	1/4	1,127.70	1/4	1,471.88	1/4	1,816.49	1/4	2,161.09	1/4	2,505.70	1/4	2,850.30	1/4	3,194.71
1/2	115.05	1/2	459.63	1/2	803.92	1/2	1,134.74	1/2	1,479.06	1/2	1,823.67	1/2	2,168.27	1/2	2,512.88	1/2	2,857.47	1/2	3,201.88
3/4	122.23	3/4	466.81	3/4	810.95	3/4	1,141.77	3/4	1,486.24	3/4	1,830.84	3/4	2,175.45	3/4	2,520.06	3/4	2,864.65	3/4	3,209.06
4	129.40	4	473.99	4	817.98	4	1,148.81	4	1,493.42	4	1,838.02	4	2,182.63	4	2,527.24	4	2,871.82	4	3,216.23
1/4	136.58	1/4	481.17	1/4	824.85	1/4	1,155.99	1/4	1,500.60	1/4	1,845.20	1/4	2,189.81	1/4	2,534.42	1/4	2,879.00	1/4	3,223.41
1/2	143.76	1/2	488.35	1/2	831.73	1/2	1,163.17	1/2	1,507.78	1/2	1,852.38	1/2	2,196.99	1/2	2,541.60	1/2	2,886.17	1/2	3,230.58
3/4	150.94	3/4	495.53	3/4	838.60	3/4	1,170.35	3/4	1,514.96	3/4	1,859.56	3/4	2,204.17	3/4	2,548.77	3/4	2,893.35	3/4	3,237.76
5	158.11	5	502.71	5	845.48	5	1,177.53	5	1,522.13	5	1,866.74	5	2,211.35	5	2,555.95	5	2,900.52	5	3,244.93
1/4	165.29	1/4	509.88	1/4	852.35	1/4	1,184.71	1/4	1,529.31	1/4	1,873.92	1/4	2,218.53	1/4	2,563.13	1/4	2,907.70	1/4	3,252.11
1/2	172.47	1/2	517.06	1/2	859.23	1/2	1,191.89	1/2	1,536.49	1/2	1,881.10	1/2	2,225.71	1/2	2,570.31	1/2	2,914.87	1/2	3,259.28
3/4	179.65	3/4	524.24	3/4	866.10	3/4	1,199.07	3/4	1,543.67	3/4	1,888.28	3/4	2,232.89	3/4	2,577.49	3/4	2,922.05	3/4	3,266.46
6	186.83	6	531.42	6	872.98	6	1,206.25	6	1,550.85	6	1,895.46	6	2,240.06	6	2,584.67	6	2,929.22	6	3,273.63
1/4	194.01	1/4	538.60	1/4	879.85	1/4	1,213.42	1/4	1,558.03	1/4	1,902.64	1/4	2,247.24	1/4	2,591.85	1/4	2,936.40	1/4	3,280.81
1/2	201.19	1/2	545.78	1/2	886.73	1/2	1,220.60	1/2	1,565.21	1/2	1,909.82	1/2	2,254.42	1/2	2,599.03	1/2	2,943.58	1/2	3,287.98
3/4	208.37	3/4	552.96	3/4	893.60	3/4	1,227.78	3/4	1,572.39	3/4	1,917.00	3/4	2,261.60	3/4	2,606.21	3/4	2,950.75	3/4	3,295.16
7	215.55	7	560.14	7	900.48	7	1,234.96	7	1,579.57	7	1,924.18	7	2,268.78	7	2,613.39	7	2,957.93	7	3,302.34
1/4	222.72	1/4	567.32	1/4	907.35	1/4	1,242.14	1/4	1,586.75	1/4	1,931.35	1/4	2,275.96	1/4	2,620.57	1/4	2,965.10	1/4	3,309.51
1/2	229.90	1/2	574.50	1/2	914.23	1/2	1,249.32	1/2	1,593.93	1/2	1,938.53	1/2	2,283.14	1/2	2,627.75	1/2	2,972.28	1/2	3,316.69
3/4	237.08	3/4	581.67	3/4	921.10	3/4	1,256.50	3/4	1,601.11	3/4	1,945.71	3/4	2,290.32	3/4	2,634.93	3/4	2,979.45	3/4	3,323.86
8	244.26	8	588.85	8	927.98	8	1,263.68	8	1,608.29	8	1,952.89	8	2,297.50	8	2,642.11	8	2,986.63	8	3,331.04
1/4	251.44	1/4	596.03	1/4	934.85	1/4	1,270.86	1/4	1,615.47	1/4	1,960.07	1/4	2,304.68	1/4	2,649.28	1/4	2,993.80	1/4	3,338.21
1/2	258.62	1/2	603.21	1/2	941.73	1/2	1,278.04	1/2	1,622.65	1/2	1,967.25	1/2	2,311.86	1/2	2,656.46	1/2	3,000.98	1/2	3,345.39
3/4	265.80	3/4	610.39	3/4	948.60	3/4	1,285.22	3/4	1,629.82	3/4	1,974.43	3/4	2,319.04	3/4	2,663.64	3/4	3,008.15	3/4	3,352.56
9	272.98	9	617.57	9	955.48	9	1,292.40	9	1,637.00	9	1,981.61	9	2,326.22	9	2,670.82	9	3,015.33	9	3,359.74
1/4	280.16	1/4	624.75	1/4	962.35	1/4	1,299.58	1/4	1,644.18	1/4	1,988.79	1/4	2,333.40	1/4	2,678.00	1/4	3,022.50	1/4	3,366.91
1/2	287.34	1/2	631.93	1/2	969.23	1/2	1,306.76	1/2	1,651.36	1/2	1,995.97	1/2	2,340.57	1/2	2,685.18	1/2	3,029.68	1/2	3,374.09
3/4	294.51	3/4	639.11	3/4	976.10	3/4	1,313.94	3/4	1,658.54	3/4	2,003.15	3/4	2,347.75	3/4	2,692.36	3/4	3,036.85	3/4	3,381.26
10	301.69	10	646.29	10	982.98	10	1,321.11	10	1,665.72	10	2,010.33	10	2,354.93	10	2,699.54	10	3,044.03	10	3,388.44
1/4	308.87	1/4	653.46	1/4	989.85	1/4	1,328.29	1/4	1,672.90	1/4	2,017.51	1/4	2,362.11	1/4	2,706.72	1/4	3,051.20	1/4	3,395.61
1/2	316.05	1/2	660.64	1/2	996.73	1/2	1,335.47	1/2	1,680.08	1/2	2,024.69	1/2	2,369.29	1/2	2,713.90	1/2	3,058.38	1/2	3,402.79
3/4	323.23	3/4	667.82	3/4	1,003.60	3/4	1,342.65	3/4	1,687.26	3/4	2,031.87	3/4	2,376.47	3/4	2,721.08	3/4	3,065.55	3/4	3,409.96
11	330.41	11	675.00	11	1,010.48	11	1,349.83	11	1,694.44	11	2,039.04	11	2,383.65	11	2,728.26	11	3,072.73	11	3,417.14
1/4	337.59	1/4	682.18	1/4	1,017.35	1/4	1,357.01	1/4	1,701.62	1/4	2,046.22	1/4	2,390.83	1/4	2,735.44	1/4	3,079.90	1/4	3,424.31
1/2	344.77	1/2	689.36	1/2	1,024.23	1/2	1,364.19	1/2	1,708.80	1/2	2,053.40	1/2	2,398.01	1/2	2,742.62	1/2	3,087.08	1/2	3,431.49
3/4	351.95	3/4	696.54	3/4	1,031.11	3/4	1,371.37	3/4	1,715.98	3/4	2,060.58	3/4	2,405.19	3/4	2,749.80	3/4	3,094.25	3/4	3,438.66

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 41'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77588

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BARGE "CTCo 314"

2 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	3,445.84	0	3,790.25	0	4,132.00	0	4,456.12	0	4,769.10	0		0		0		0		0	
1/4	3,453.01	1/4	3,797.42	1/4	4,138.95	1/4	4,462.65	1/4	4,776.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,460.19	1/2	3,804.60	1/2	4,145.90	1/2	4,469.19	1/2	4,783.33	1/2		1/2		1/2		1/2		1/2	
3/4	3,467.36	3/4	3,811.77	3/4	4,152.85	3/4	4,475.72	3/4	4,790.45	3/4		3/4		3/4		3/4		3/4	
1	3,474.54	1	3,818.95	1	4,159.80	1	4,482.25	1	4,797.57	1		1		1		1		1	
1/4	3,481.72	1/4	3,826.12	1/4	4,166.72	1/4	4,488.73	1/4	4,804.33	1/4		1/4		1/4		1/4		1/4	
1/2	3,488.89	1/2	3,833.30	1/2	4,173.63	1/2	4,495.21	1/2	4,811.09	1/2		1/2		1/2		1/2		1/2	
3/4	3,496.07	3/4	3,840.48	3/4	4,180.55	3/4	4,501.69	3/4	4,817.85	3/4		3/4		3/4		3/4		3/4	
2	3,503.24	2	3,847.65	2	4,187.47	2	4,508.17	2	4,824.60	2		2		2		2		2	
1/4	3,510.42	1/4	3,854.83	1/4	4,194.35	1/4	4,514.60	1/4	4,830.29	1/4		1/4		1/4		1/4		1/4	
1/2	3,517.59	1/2	3,862.00	1/2	4,201.22	1/2	4,521.03	1/2	4,835.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.77	3/4	3,869.18	3/4	4,208.10	3/4	4,527.46	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,531.94	3	3,876.35	3	4,214.97	3	4,533.89	3		3		3		3		3		3	
1/4	3,539.12	1/4	3,883.53	1/4	4,221.80	1/4	4,540.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,546.29	1/2	3,890.70	1/2	4,228.63	1/2	4,546.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,553.47	3/4	3,897.88	3/4	4,235.46	3/4	4,553.08	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,560.64	4	3,905.05	4	4,242.29	4	4,559.48	4		4		4		4		4		4	
1/4	3,567.82	1/4	3,912.23	1/4	4,249.08	1/4	4,565.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,574.99	1/2	3,919.40	1/2	4,255.88	1/2	4,572.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,582.17	3/4	3,926.58	3/4	4,262.67	3/4	4,578.58	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,589.34	5	3,933.75	5	4,269.47	5	4,584.95	5		5		5		5		5		5	
1/4	3,596.52	1/4	3,940.92	1/4	4,276.23	1/4	4,591.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,603.69	1/2	3,948.09	1/2	4,282.99	1/2	4,597.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,610.87	3/4	3,955.26	3/4	4,289.75	3/4	4,603.95	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,618.04	6	3,962.43	6	4,296.51	6	4,610.28	6		6		6		6		6		6	
1/4	3,625.22	1/4	3,969.58	1/4	4,303.24	1/4	4,616.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,632.39	1/2	3,976.73	1/2	4,309.97	1/2	4,622.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,639.57	3/4	3,983.88	3/4	4,316.70	3/4	4,629.18	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,646.74	7	3,991.02	7	4,323.43	7	4,635.48	7		7		7		7		7		7	
1/4	3,653.92	1/4	3,998.14	1/4	4,330.13	1/4	4,641.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,661.10	1/2	4,005.26	1/2	4,336.83	1/2	4,648.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,668.27	3/4	4,012.37	3/4	4,343.53	3/4	4,654.27	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,675.45	8	4,019.49	8	4,350.23	8	4,660.54	8		8		8		8		8		8	
1/4	3,682.62	1/4	4,026.57	1/4	4,356.89	1/4	4,666.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,689.80	1/2	4,033.66	1/2	4,363.56	1/2	4,673.01	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,696.97	3/4	4,040.74	3/4	4,370.23	3/4	4,679.24	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,704.15	9	4,047.83	9	4,376.89	9	4,685.48	9		9		9		9		9		9	
1/4	3,711.32	1/4	4,054.88	1/4	4,383.53	1/4	4,692.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,718.50	1/2	4,061.92	1/2	4,390.17	1/2	4,698.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,725.67	3/4	4,068.97	3/4	4,396.80	3/4	4,705.48	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,732.85	10	4,076.02	10	4,403.44	10	4,712.15	10		10		10		10		10		10	
1/4	3,740.02	1/4	4,083.03	1/4	4,410.04	1/4	4,719.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,747.20	1/2	4,090.05	1/2	4,416.64	1/2	4,726.39	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,754.37	3/4	4,097.06	3/4	4,423.25	3/4	4,733.51	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,761.55	11	4,104.07	11	4,429.85	11	4,740.62	11		11		11		11		11		11	
1/4	3,768.72	1/4	4,111.06	1/4	4,436.42	1/4	4,747.74	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,775.90	1/2	4,118.04	1/2	4,442.99	1/2	4,754.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,783.07	3/4	4,125.02	3/4	4,449.55	3/4	4,761.98	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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P.O. Box 2092
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BARGE "CTCo 314"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	23.70	0	359.13	0	703.72	0	1,047.89	0	1,392.47	0	1,737.07	0	2,081.68	0	2,426.29	0	2,770.89	0	3,115.35
1/4	29.08	1/4	366.30	1/4	710.90	1/4	1,055.07	1/4	1,399.65	1/4	1,744.25	1/4	2,088.86	1/4	2,433.47	1/4	2,778.07	1/4	3,122.52
1/2	34.46	1/2	373.48	1/2	718.08	1/2	1,062.24	1/2	1,406.83	1/2	1,751.43	1/2	2,096.04	1/2	2,440.64	1/2	2,785.25	1/2	3,129.70
3/4	39.85	3/4	380.66	3/4	725.25	3/4	1,069.42	3/4	1,414.00	3/4	1,758.61	3/4	2,103.22	3/4	2,447.82	3/4	2,792.43	3/4	3,136.87
1	45.23	1	387.84	1	732.43	1	1,076.59	1	1,421.18	1	1,765.79	1	2,110.40	1	2,455.00	1	2,799.61	1	3,144.05
1/4	51.94	1/4	395.02	1/4	739.61	1/4	1,083.77	1/4	1,428.36	1/4	1,772.97	1/4	2,117.58	1/4	2,462.18	1/4	2,806.79	1/4	3,151.22
1/2	58.66	1/2	402.20	1/2	746.79	1/2	1,090.94	1/2	1,435.54	1/2	1,780.15	1/2	2,124.76	1/2	2,469.36	1/2	2,813.97	1/2	3,158.40
3/4	65.37	3/4	409.38	3/4	753.97	3/4	1,098.12	3/4	1,442.72	3/4	1,787.33	3/4	2,131.93	3/4	2,476.54	3/4	2,821.15	3/4	3,165.57
2	72.08	2	416.56	2	761.15	2	1,105.29	2	1,449.90	2	1,794.51	2	2,139.11	2	2,483.72	2	2,828.33	2	3,172.75
1/4	79.24	1/4	423.74	1/4	768.33	1/4	1,112.47	1/4	1,457.08	1/4	1,801.69	1/4	2,146.29	1/4	2,490.90	1/4	2,835.51	1/4	3,179.92
1/2	86.39	1/2	430.92	1/2	775.51	1/2	1,119.65	1/2	1,464.26	1/2	1,808.87	1/2	2,153.47	1/2	2,498.08	1/2	2,842.69	1/2	3,187.10
3/4	93.55	3/4	438.09	3/4	782.69	3/4	1,126.83	3/4	1,471.44	3/4	1,816.05	3/4	2,160.65	3/4	2,505.26	3/4	2,849.86	3/4	3,194.27
3	100.71	3	445.27	3	789.87	3	1,134.01	3	1,478.62	3	1,823.22	3	2,167.83	3	2,512.44	3	2,857.04	3	3,201.45
1/4	107.88	1/4	452.45	1/4	797.04	1/4	1,141.19	1/4	1,485.80	1/4	1,830.40	1/4	2,175.01	1/4	2,519.62	1/4	2,864.22	1/4	3,208.62
1/2	115.05	1/2	459.63	1/2	804.21	1/2	1,148.37	1/2	1,492.98	1/2	1,837.58	1/2	2,182.19	1/2	2,526.80	1/2	2,871.39	1/2	3,215.80
3/4	122.23	3/4	466.81	3/4	811.39	3/4	1,155.55	3/4	1,500.16	3/4	1,844.76	3/4	2,189.37	3/4	2,533.98	3/4	2,878.57	3/4	3,222.98
4	129.40	4	473.99	4	818.56	4	1,162.73	4	1,507.34	4	1,851.94	4	2,196.55	4	2,541.15	4	2,885.74	4	3,230.15
1/4	136.58	1/4	481.17	1/4	825.72	1/4	1,169.91	1/4	1,514.51	1/4	1,859.12	1/4	2,203.73	1/4	2,548.33	1/4	2,892.92	1/4	3,237.33
1/2	143.76	1/2	488.35	1/2	832.89	1/2	1,177.09	1/2	1,521.69	1/2	1,866.30	1/2	2,210.91	1/2	2,555.51	1/2	2,900.09	1/2	3,244.50
3/4	150.94	3/4	495.53	3/4	840.06	3/4	1,184.27	3/4	1,528.87	3/4	1,873.48	3/4	2,218.09	3/4	2,562.69	3/4	2,907.27	3/4	3,251.68
5	158.11	5	502.71	5	847.22	5	1,191.45	5	1,536.05	5	1,880.66	5	2,225.27	5	2,569.87	5	2,914.44	5	3,258.85
1/4	165.29	1/4	509.88	1/4	854.39	1/4	1,198.63	1/4	1,543.23	1/4	1,887.84	1/4	2,232.44	1/4	2,577.05	1/4	2,921.62	1/4	3,266.03
1/2	172.47	1/2	517.06	1/2	861.56	1/2	1,205.81	1/2	1,550.41	1/2	1,895.02	1/2	2,239.62	1/2	2,584.23	1/2	2,928.79	1/2	3,273.20
3/4	179.65	3/4	524.24	3/4	868.72	3/4	1,212.98	3/4	1,557.59	3/4	1,902.20	3/4	2,246.80	3/4	2,591.41	3/4	2,935.97	3/4	3,280.38
6	186.83	6	531.42	6	875.89	6	1,220.16	6	1,564.77	6	1,909.38	6	2,253.98	6	2,598.59	6	2,943.14	6	3,287.55
1/4	194.01	1/4	538.60	1/4	883.06	1/4	1,227.34	1/4	1,571.95	1/4	1,916.56	1/4	2,261.16	1/4	2,605.77	1/4	2,950.32	1/4	3,294.73
1/2	201.19	1/2	545.78	1/2	890.22	1/2	1,234.52	1/2	1,579.13	1/2	1,923.74	1/2	2,268.34	1/2	2,612.95	1/2	2,957.49	1/2	3,301.90
3/4	208.37	3/4	552.96	3/4	897.39	3/4	1,241.70	3/4	1,586.31	3/4	1,930.91	3/4	2,275.52	3/4	2,620.13	3/4	2,964.67	3/4	3,309.08
7	215.55	7	560.14	7	904.55	7	1,248.88	7	1,593.49	7	1,938.09	7	2,282.70	7	2,627.31	7	2,971.84	7	3,316.25
1/4	222.72	1/4	567.32	1/4	911.72	1/4	1,256.06	1/4	1,600.67	1/4	1,945.27	1/4	2,289.88	1/4	2,634.49	1/4	2,979.02	1/4	3,323.43
1/2	229.90	1/2	574.50	1/2	918.89	1/2	1,263.24	1/2	1,607.85	1/2	1,952.45	1/2	2,297.06	1/2	2,641.66	1/2	2,986.19	1/2	3,330.60
3/4	237.08	3/4	581.67	3/4	926.05	3/4	1,270.42	3/4	1,615.03	3/4	1,959.63	3/4	2,304.24	3/4	2,648.84	3/4	2,993.37	3/4	3,337.78
8	244.26	8	588.85	8	933.22	8	1,277.60	8	1,622.20	8	1,966.81	8	2,311.42	8	2,656.02	8	3,000.54	8	3,344.95
1/4	251.44	1/4	596.03	1/4	940.39	1/4	1,284.78	1/4	1,629.38	1/4	1,973.99	1/4	2,318.60	1/4	2,663.20	1/4	3,007.72	1/4	3,352.13
1/2	258.62	1/2	603.21	1/2	947.55	1/2	1,291.96	1/2	1,636.56	1/2	1,981.17	1/2	2,325.78	1/2	2,670.38	1/2	3,014.89	1/2	3,359.30
3/4	265.80	3/4	610.39	3/4	954.72	3/4	1,299.14	3/4	1,643.74	3/4	1,988.35	3/4	2,332.96	3/4	2,677.56	3/4	3,022.07	3/4	3,366.48
9	272.98	9	617.57	9	961.88	9	1,306.32	9	1,650.92	9	1,995.53	9	2,340.13	9	2,684.74	9	3,029.24	9	3,373.65
1/4	280.16	1/4	624.75	1/4	969.05	1/4	1,313.49	1/4	1,658.10	1/4	2,002.71	1/4	2,347.31	1/4	2,691.92	1/4	3,036.42	1/4	3,380.83
1/2	287.34	1/2	631.93	1/2	976.22	1/2	1,320.67	1/2	1,665.28	1/2	2,009.89	1/2	2,354.49	1/2	2,699.10	1/2	3,043.60	1/2	3,388.00
3/4	294.51	3/4	639.11	3/4	983.38	3/4	1,327.85	3/4	1,672.46	3/4	2,017.07	3/4	2,361.67	3/4	2,706.28	3/4	3,050.77	3/4	3,395.18
10	301.69	10	646.29	10	990.55	10	1,335.03	10	1,679.64	10	2,024.25	10	2,368.85	10	2,713.46	10	3,057.95	10	3,402.36
1/4	308.87	1/4	653.46	1/4	997.72	1/4	1,342.21	1/4	1,686.82	1/4	2,031.42	1/4	2,376.03	1/4	2,720.64	1/4	3,065.12	1/4	3,409.53
1/2	316.05	1/2	660.64	1/2	1,004.88	1/2	1,349.39	1/2	1,694.00	1/2	2,038.60	1/2	2,383.21	1/2	2,727.82	1/2	3,072.30	1/2	3,416.71
3/4	323.23	3/4	667.82	3/4	1,012.05	3/4	1,356.57	3/4	1,701.18	3/4	2,045.78	3/4	2,390.39	3/4	2,735.00	3/4	3,079.47	3/4	3,423.88
11	330.41	11	675.00	11	1,019.21	11	1,363.75	11	1,708.36	11	2,052.96	11	2,397.57	11	2,742.18	11	3,086.65	11	3,431.06
1/4	337.59	1/4	682.18	1/4	1,026.38	1/4	1,370.93	1/4	1,715.54	1/4	2,060.14	1/4	2,404.75	1/4	2,749.35	1/4	3,093.82	1/4	3,438.23
1/2	344.77	1/2	689.36	1/2	1,033.55	1/2	1,378.11	1/2	1,722.71	1/2	2,067.32	1/2	2,411.93	1/2	2,756.53	1/2	3,101.00	1/2	3,445.41
3/4	351.95	3/4	696.54	3/4	1,040.72	3/4	1,385.29	3/4	1,729.89	3/4	2,074.50	3/4	2,419.11	3/4	2,763.71	3/4	3,108.17	3/4	3,452.58

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 41'-06" FORWARD OF AFT BULKHEAD.

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BARGE "CTCo 314"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	3,459.76	0	3,804.17	0	4,145.92	0	4,470.04	0	4,783.01	0		0		0		0		0	
1/4	3,466.93	1/4	3,811.34	1/4	4,152.87	1/4	4,476.57	1/4	4,790.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,474.11	1/2	3,818.52	1/2	4,159.82	1/2	4,483.10	1/2	4,797.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,481.28	3/4	3,825.69	3/4	4,166.77	3/4	4,489.64	3/4	4,804.37	3/4		3/4		3/4		3/4		3/4	
1	3,488.46	1	3,832.87	1	4,173.72	1	4,496.17	1	4,811.48	1		1		1		1		1	
1/4	3,495.63	1/4	3,840.04	1/4	4,180.63	1/4	4,502.65	1/4	4,818.24	1/4		1/4		1/4		1/4		1/4	
1/2	3,502.81	1/2	3,847.22	1/2	4,187.55	1/2	4,509.13	1/2	4,825.00	1/2		1/2		1/2		1/2		1/2	
3/4	3,509.98	3/4	3,854.39	3/4	4,194.47	3/4	4,515.61	3/4	4,831.76	3/4		3/4		3/4		3/4		3/4	
2	3,517.16	2	3,861.57	2	4,201.39	2	4,522.09	2	4,838.52	2		2		2		2		2	
1/4	3,524.33	1/4	3,868.74	1/4	4,208.26	1/4	4,528.52	1/4	4,844.20	1/4		1/4		1/4		1/4		1/4	
1/2	3,531.51	1/2	3,875.92	1/2	4,215.14	1/2	4,534.95	1/2	4,849.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,538.68	3/4	3,883.09	3/4	4,222.02	3/4	4,541.38	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,545.86	3	3,890.27	3	4,228.89	3	4,547.81	3		3		3		3		3		3	
1/4	3,553.03	1/4	3,897.44	1/4	4,235.72	1/4	4,554.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,560.21	1/2	3,904.62	1/2	4,242.55	1/2	4,560.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,567.38	3/4	3,911.79	3/4	4,249.38	3/4	4,567.00	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,574.56	4	3,918.97	4	4,256.21	4	4,573.40	4		4		4		4		4		4	
1/4	3,581.74	1/4	3,926.14	1/4	4,263.00	1/4	4,579.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,588.91	1/2	3,933.32	1/2	4,269.80	1/2	4,586.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,596.09	3/4	3,940.50	3/4	4,276.59	3/4	4,592.50	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,603.26	5	3,947.67	5	4,283.38	5	4,598.86	5		5		5		5		5		5	
1/4	3,610.44	1/4	3,954.84	1/4	4,290.14	1/4	4,605.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,617.61	1/2	3,962.01	1/2	4,296.91	1/2	4,611.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,624.79	3/4	3,969.18	3/4	4,303.67	3/4	4,617.87	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,631.96	6	3,976.35	6	4,310.43	6	4,624.20	6		6		6		6		6		6	
1/4	3,639.14	1/4	3,983.50	1/4	4,317.16	1/4	4,630.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,646.31	1/2	3,990.65	1/2	4,323.89	1/2	4,636.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,653.49	3/4	3,997.79	3/4	4,330.62	3/4	4,643.10	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,660.66	7	4,004.94	7	4,337.35	7	4,649.39	7		7		7		7		7		7	
1/4	3,667.84	1/4	4,012.06	1/4	4,344.05	1/4	4,655.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,675.01	1/2	4,019.17	1/2	4,350.75	1/2	4,661.92	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,682.19	3/4	4,026.29	3/4	4,357.45	3/4	4,668.19	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,689.36	8	4,033.41	8	4,364.14	8	4,674.45	8		8		8		8		8		8	
1/4	3,696.54	1/4	4,040.49	1/4	4,370.81	1/4	4,680.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,703.71	1/2	4,047.58	1/2	4,377.48	1/2	4,686.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,710.89	3/4	4,054.66	3/4	4,384.15	3/4	4,693.16	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,718.06	9	4,061.74	9	4,390.81	9	4,699.40	9		9		9		9		9		9	
1/4	3,725.24	1/4	4,068.79	1/4	4,397.45	1/4	4,706.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,732.41	1/2	4,075.84	1/2	4,404.08	1/2	4,712.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,739.59	3/4	4,082.89	3/4	4,410.72	3/4	4,719.40	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,746.76	10	4,089.94	10	4,417.35	10	4,726.07	10		10		10		10		10		10	
1/4	3,753.94	1/4	4,096.95	1/4	4,423.96	1/4	4,732.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,761.12	1/2	4,103.97	1/2	4,430.56	1/2	4,740.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,768.29	3/4	4,110.98	3/4	4,437.16	3/4	4,747.42	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,775.47	11	4,117.99	11	4,443.77	11	4,754.54	11		11		11		11		11		11	
1/4	3,782.64	1/4	4,124.97	1/4	4,450.34	1/4	4,761.66	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,789.82	1/2	4,131.95	1/2	4,456.90	1/2	4,768.78	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,796.99	3/4	4,138.94	3/4	4,463.47	3/4	4,775.90	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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P.O. Box 2092
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BARGE "CTCo 314"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-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	25.07	0	379.85	0	744.19	0	1,100.60	0	1,461.74	0	1,825.89	0	2,187.91	0	2,549.95	0	2,913.85	0	3,277.56
1/4	30.77	1/4	387.44	1/4	751.78	1/4	1,107.97	1/4	1,469.32	1/4	1,833.48	1/4	2,195.43	1/4	2,557.53	1/4	2,921.43	1/4	3,285.13
1/2	36.48	1/2	395.03	1/2	759.37	1/2	1,115.33	1/2	1,476.91	1/2	1,841.06	1/2	2,202.95	1/2	2,565.12	1/2	2,929.01	1/2	3,292.71
3/4	42.18	3/4	402.62	3/4	766.96	3/4	1,122.69	3/4	1,484.50	3/4	1,848.65	3/4	2,210.48	3/4	2,572.71	3/4	2,936.59	3/4	3,300.29
1	47.88	1	410.21	1	774.55	1	1,130.06	1	1,492.08	1	1,856.24	1	2,218.00	1	2,580.29	1	2,974.17	1	3,307.86
1/4	54.99	1/4	417.80	1/4	782.14	1/4	1,137.43	1/4	1,499.67	1/4	1,863.82	1/4	2,225.52	1/4	2,587.88	1/4	2,951.75	1/4	3,315.43
1/2	62.09	1/2	425.39	1/2	789.73	1/2	1,144.80	1/2	1,507.26	1/2	1,871.41	1/2	2,233.05	1/2	2,595.47	1/2	2,959.32	1/2	3,323.00
3/4	69.20	3/4	432.98	3/4	797.32	3/4	1,152.17	3/4	1,514.84	3/4	1,879.00	3/4	2,240.57	3/4	2,603.05	3/4	2,966.90	3/4	3,330.56
2	76.31	2	440.57	2	804.91	2	1,159.54	2	1,522.43	2	1,886.58	2	2,248.09	2	2,610.64	2	2,974.48	2	3,338.13
1/4	83.89	1/4	448.16	1/4	812.50	1/4	1,166.92	1/4	1,530.02	1/4	1,894.17	1/4	2,255.62	1/4	2,618.22	1/4	2,982.06	1/4	3,345.68
1/2	91.46	1/2	455.75	1/2	820.10	1/2	1,174.29	1/2	1,537.60	1/2	1,901.75	1/2	2,263.14	1/2	2,625.81	1/2	2,989.64	1/2	3,353.24
3/4	99.04	3/4	463.34	3/4	827.69	3/4	1,181.67	3/4	1,545.19	3/4	1,909.34	3/4	2,270.67	3/4	2,633.40	3/4	2,997.22	3/4	3,360.80
3	106.61	3	470.93	3	835.28	3	1,189.04	3	1,552.78	3	1,916.93	3	2,278.19	3	2,640.98	3	3,004.80	3	3,368.35
1/4	114.20	1/4	478.52	1/4	842.75	1/4	1,196.53	1/4	1,560.36	1/4	1,924.48	1/4	2,285.72	1/4	2,648.57	1/4	3,012.38	1/4	3,375.91
1/2	121.79	1/2	486.11	1/2	850.22	1/2	1,204.01	1/2	1,567.95	1/2	1,932.04	1/2	2,293.26	1/2	2,656.15	1/2	3,019.96	1/2	3,383.46
3/4	129.38	3/4	493.70	3/4	857.70	3/4	1,211.49	3/4	1,575.54	3/4	1,939.59	3/4	2,300.80	3/4	2,663.73	3/4	3,027.53	3/4	3,391.02
4	136.97	4	501.29	4	865.17	4	1,218.97	4	1,583.12	4	1,947.15	4	2,308.33	4	2,671.32	4	3,035.11	4	3,398.57
1/4	144.56	1/4	508.88	1/4	872.53	1/4	1,226.56	1/4	1,590.71	1/4	1,954.67	1/4	2,315.88	1/4	2,678.89	1/4	3,042.69	1/4	3,406.13
1/2	152.15	1/2	516.47	1/2	879.89	1/2	1,234.14	1/2	1,598.29	1/2	1,962.20	1/2	2,323.43	1/2	2,686.47	1/2	3,050.26	1/2	3,413.69
3/4	159.74	3/4	524.06	3/4	887.24	3/4	1,241.73	3/4	1,605.88	3/4	1,969.72	3/4	2,330.98	3/4	2,694.05	3/4	3,057.84	3/4	3,421.24
5	167.34	5	531.65	5	894.60	5	1,249.32	5	1,613.47	5	1,977.24	5	2,338.53	5	2,701.63	5	3,065.42	5	3,428.80
1/4	174.93	1/4	539.24	1/4	901.96	1/4	1,256.90	1/4	1,621.05	1/4	1,984.77	1/4	2,346.07	1/4	2,709.21	1/4	3,072.99	1/4	3,436.35
1/2	182.52	1/2	546.83	1/2	909.31	1/2	1,264.49	1/2	1,628.64	1/2	1,992.29	1/2	2,353.62	1/2	2,716.79	1/2	3,080.57	1/2	3,443.91
3/4	190.11	3/4	554.42	3/4	916.67	3/4	1,272.08	3/4	1,636.23	3/4	1,999.82	3/4	2,361.17	3/4	2,724.37	3/4	3,088.15	3/4	3,451.47
6	197.70	6	562.01	6	924.03	6	1,279.66	6	1,643.81	6	2,007.34	6	2,368.72	6	2,731.95	6	3,095.72	6	3,459.02
1/4	205.29	1/4	569.60	1/4	931.38	1/4	1,287.25	1/4	1,651.40	1/4	2,014.86	1/4	2,376.27	1/4	2,739.53	1/4	3,103.30	1/4	3,466.58
1/2	212.88	1/2	577.19	1/2	938.74	1/2	1,294.83	1/2	1,658.99	1/2	2,022.39	1/2	2,383.81	1/2	2,747.11	1/2	3,110.88	1/2	3,474.13
3/4	220.47	3/4	584.78	3/4	946.10	3/4	1,302.42	3/4	1,666.57	3/4	2,029.91	3/4	2,391.36	3/4	2,754.69	3/4	3,118.45	3/4	3,481.69
7	228.06	7	592.37	7	953.45	7	1,310.01	7	1,674.16	7	2,037.43	7	2,398.91	7	2,762.27	7	3,126.03	7	3,489.24
1/4	235.65	1/4	599.97	1/4	960.81	1/4	1,317.59	1/4	1,681.75	1/4	2,044.96	1/4	2,406.46	1/4	2,769.84	1/4	3,133.60	1/4	3,496.80
1/2	243.24	1/2	607.56	1/2	968.17	1/2	1,325.18	1/2	1,689.33	1/2	2,052.48	1/2	2,414.01	1/2	2,777.42	1/2	3,141.18	1/2	3,504.36
3/4	250.83	3/4	615.15	3/4	975.52	3/4	1,332.77	3/4	1,696.92	3/4	2,060.00	3/4	2,421.55	3/4	2,785.00	3/4	3,148.76	3/4	3,511.91
8	258.42	8	622.74	8	982.88	8	1,340.35	8	1,704.51	8	2,067.53	8	2,429.10	8	2,792.58	8	3,156.33	8	3,519.47
1/4	266.01	1/4	630.33	1/4	990.24	1/4	1,347.94	1/4	1,712.09	1/4	2,075.05	1/4	2,436.65	1/4	2,800.16	1/4	3,163.91	1/4	3,527.02
1/2	273.60	1/2	637.92	1/2	997.59	1/2	1,355.53	1/2	1,719.68	1/2	2,082.58	1/2	2,444.20	1/2	2,807.74	1/2	3,171.49	1/2	3,534.58
3/4	281.19	3/4	645.51	3/4	1,004.95	3/4	1,363.11	3/4	1,727.27	3/4	2,090.10	3/4	2,451.75	3/4	2,815.32	3/4	3,179.06	3/4	3,542.14
9	288.78	9	653.10	9	1,012.31	9	1,370.70	9	1,734.85	9	2,097.62	9	2,459.29	9	2,822.90	9	3,186.64	9	3,549.69
1/4	296.37	1/4	660.69	1/4	1,019.66	1/4	1,378.29	1/4	1,742.44	1/4	2,105.15	1/4	2,466.84	1/4	2,830.48	1/4	3,194.22	1/4	3,557.25
1/2	303.96	1/2	668.28	1/2	1,027.02	1/2	1,385.87	1/2	1,750.02	1/2	2,112.67	1/2	2,474.39	1/2	2,838.06	1/2	3,201.79	1/2	3,564.81
3/4	311.55	3/4	675.87	3/4	1,034.38	3/4	1,393.46	3/4	1,757.61	3/4	2,120.19	3/4	2,481.94	3/4	2,845.64	3/4	3,209.37	3/4	3,572.37
10	319.14	10	683.46	10	1,041.73	10	1,401.05	10	1,765.20	10	2,127.72	10	2,489.49	10	2,853.22	10	3,216.95	10	3,579.94
1/4	326.73	1/4	691.05	1/4	1,049.09	1/4	1,408.63	1/4	1,772.78	1/4	2,135.24	1/4	2,497.03	1/4	2,860.80	1/4	3,224.52	1/4	3,587.50
1/2	334.32	1/2	698.64	1/2	1,056.45	1/2	1,416.22	1/2	1,780.37	1/2	2,142.76	1/2	2,504.58	1/2	2,868.37	1/2	3,232.10	1/2	3,595.07
3/4	341.91	3/4	706.23	3/4	1,063.80	3/4	1,423.81	3/4	1,787.96	3/4	2,150.29	3/4	2,512.13	3/4	2,875.95	3/4	3,239.68	3/4	3,602.64
11	349.50	11	713.83	11	1,071.16	11	1,431.39	11	1,795.54	11	2,157.81	11	2,519.68	11	2,883.53	11	3,247.25	11	3,610.21
1/4	357.09	1/4	721.42	1/4	1,078.52	1/4	1,438.98	1/4	1,803.13	1/4	2,165.33	1/4	2,527.24	1/4	2,891.11	1/4	3,254.83	1/4	3,617.78
1/2	364.67	1/2	729.01	1/2	1,085.88	1/2	1,446.56	1/2	1,810.72	1/2	2,172.86	1/2	2,534.81	1/2	2,898.69	1/2	3,262.41	1/2	3,624.20
3/4	372.26	3/4	736.60	3/4	1,093.24	3/4	1,454.15	3/4	1,818.30	3/4	2,180.38	3/4	2,542.38	3/4	2,906.27	3/4	3,269.98	3/4	3,631.19

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "CTCo 314"

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	3,638.19	0	3,892.49	0	4,142.50	0	4,379.66	0	4,608.76	0		0		0		0		0	
1/4	3,644.02	1/4	3,897.74	1/4	4,147.58	1/4	4,384.44	1/4	4,613.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,649.86	1/2	3,902.99	1/2	4,152.66	1/2	4,389.22	1/2	4,619.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,655.69	3/4	3,908.24	3/4	4,157.75	3/4	4,394.00	3/4	4,624.38	3/4		3/4		3/4		3/4		3/4	
1	3,661.53	1	3,913.49	1	4,162.83	1	4,398.78	1	4,629.59	1		1		1		1		1	
1/4	3,666.78	1/4	3,918.74	1/4	4,167.89	1/4	4,403.53	1/4	4,634.42	1/4		1/4		1/4		1/4		1/4	
1/2	3,672.03	1/2	3,923.99	1/2	4,172.95	1/2	4,408.27	1/2	4,639.25	1/2		1/2		1/2		1/2		1/2	
3/4	3,677.28	3/4	3,929.23	3/4	4,178.01	3/4	4,413.01	3/4	4,644.08	3/4		3/4		3/4		3/4		3/4	
2	3,682.53	2	3,934.48	2	4,183.08	2	4,417.76	2	4,648.91	2		2		2		2		2	
1/4	3,687.78	1/4	3,939.73	1/4	4,188.11	1/4	4,422.46	1/4	4,652.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.03	1/2	3,944.98	1/2	4,193.14	1/2	4,427.17	1/2	4,656.29	1/2		1/2		1/2		1/2		1/2	
3/4	3,698.27	3/4	3,950.23	3/4	4,198.17	3/4	4,431.88	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,703.52	3	3,955.48	3	4,203.20	3	4,436.58	3		3		3		3		3		3	
1/4	3,708.77	1/4	3,960.73	1/4	4,208.20	1/4	4,441.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,714.02	1/2	3,965.98	1/2	4,213.19	1/2	4,445.95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,719.27	3/4	3,971.23	3/4	4,218.19	3/4	4,450.63	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,724.52	4	3,976.48	4	4,223.19	4	4,455.32	4		4		4		4		4		4	
1/4	3,729.77	1/4	3,981.73	1/4	4,228.16	1/4	4,459.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.02	1/2	3,986.98	1/2	4,233.13	1/2	4,464.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.27	3/4	3,992.22	3/4	4,238.10	3/4	4,469.30	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,745.52	5	3,997.47	5	4,243.07	5	4,473.96	5		5		5		5		5		5	
1/4	3,750.77	1/4	4,002.72	1/4	4,248.02	1/4	4,478.59	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.01	1/2	4,007.96	1/2	4,252.97	1/2	4,483.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.26	3/4	4,013.21	3/4	4,257.92	3/4	4,487.87	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,766.51	6	4,018.45	6	4,262.87	6	4,492.50	6		6		6		6		6		6	
1/4	3,771.76	1/4	4,023.68	1/4	4,267.79	1/4	4,497.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,777.01	1/2	4,028.91	1/2	4,272.72	1/2	4,501.73	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,782.26	3/4	4,034.14	3/4	4,277.64	3/4	4,506.34	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,787.51	7	4,039.36	7	4,282.56	7	4,510.95	7		7		7		7		7		7	
1/4	3,792.76	1/4	4,044.57	1/4	4,287.47	1/4	4,515.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,798.01	1/2	4,049.78	1/2	4,292.37	1/2	4,520.12	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,803.26	3/4	4,054.98	3/4	4,297.27	3/4	4,524.71	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,808.51	8	4,060.19	8	4,302.17	8	4,529.29	8		8		8		8		8		8	
1/4	3,813.75	1/4	4,065.37	1/4	4,307.05	1/4	4,533.86	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.00	1/2	4,070.55	1/2	4,311.93	1/2	4,538.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.25	3/4	4,075.74	3/4	4,316.81	3/4	4,542.99	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,829.50	9	4,080.92	9	4,321.69	9	4,547.55	9		9		9		9		9		9	
1/4	3,834.75	1/4	4,086.07	1/4	4,326.54	1/4	4,552.43	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,840.00	1/2	4,091.23	1/2	4,331.40	1/2	4,557.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.25	3/4	4,096.39	3/4	4,336.25	3/4	4,562.19	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,850.50	10	4,101.54	10	4,341.11	10	4,567.08	10		10		10		10		10		10	
1/4	3,855.75	1/4	4,106.67	1/4	4,345.94	1/4	4,572.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.00	1/2	4,111.81	1/2	4,350.77	1/2	4,577.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,866.25	3/4	4,116.94	3/4	4,355.61	3/4	4,582.71	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,871.49	11	4,122.07	11	4,360.44	11	4,587.92	11		11		11		11		11		11	
1/4	3,876.74	1/4	4,127.17	1/4	4,365.24	1/4	4,593.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.99	1/2	4,132.28	1/2	4,370.05	1/2	4,598.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,887.24	3/4	4,137.39	3/4	4,374.86	3/4	4,603.55	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/09/2013 CL - SW
CALCULATED: 09/10/2013 CL
PRINTED: 09/10/2013 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 314"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	25.07	0	380.24	0	745.11	0	1,109.49	0	1,474.33	0	1,839.22	0	2,204.10	0	2,568.99	0	2,933.62	0	3,298.07
1/4	30.77	1/4	387.84	1/4	752.71	1/4	1,117.09	1/4	1,481.93	1/4	1,846.82	1/4	2,211.71	1/4	2,576.59	1/4	2,941.22	1/4	3,305.66
1/2	36.47	1/2	395.44	1/2	760.31	1/2	1,124.68	1/2	1,489.54	1/2	1,854.42	1/2	2,219.31	1/2	2,584.19	1/2	2,948.81	1/2	3,313.25
3/4	42.17	3/4	403.04	3/4	767.92	3/4	1,132.27	3/4	1,497.14	3/4	1,862.02	3/4	2,226.91	3/4	2,591.80	3/4	2,956.41	3/4	3,320.84
1	47.87	1	410.65	1	775.52	1	1,139.87	1	1,504.74	1	1,869.63	1	2,234.51	1	2,599.40	1	2,964.00	1	3,328.44
1/4	54.98	1/4	418.25	1/4	783.12	1/4	1,147.47	1/4	1,512.34	1/4	1,877.23	1/4	2,242.11	1/4	2,607.00	1/4	2,971.60	1/4	3,336.02
1/2	62.09	1/2	425.85	1/2	790.72	1/2	1,155.06	1/2	1,519.94	1/2	1,884.83	1/2	2,249.72	1/2	2,614.60	1/2	2,979.19	1/2	3,343.60
3/4	69.19	3/4	433.45	3/4	798.32	3/4	1,162.66	3/4	1,527.54	3/4	1,892.43	3/4	2,257.32	3/4	2,622.20	3/4	2,986.79	3/4	3,351.18
2	76.30	2	441.05	2	805.92	2	1,170.26	2	1,535.15	2	1,900.03	2	2,264.92	2	2,629.81	2	2,994.38	2	3,358.76
1/4	83.88	1/4	448.65	1/4	813.53	1/4	1,177.86	1/4	1,542.75	1/4	1,907.63	1/4	2,272.52	1/4	2,637.41	1/4	3,001.97	1/4	3,366.34
1/2	91.46	1/2	456.25	1/2	821.13	1/2	1,185.46	1/2	1,550.35	1/2	1,915.24	1/2	2,280.12	1/2	2,645.01	1/2	3,009.57	1/2	3,373.91
3/4	99.03	3/4	463.86	3/4	828.73	3/4	1,193.07	3/4	1,557.95	3/4	1,922.84	3/4	2,287.72	3/4	2,652.61	3/4	3,017.16	3/4	3,381.48
3	106.61	3	471.46	3	836.33	3	1,200.67	3	1,565.55	3	1,930.44	3	2,295.33	3	2,660.21	3	3,024.76	3	3,389.05
1/4	114.21	1/4	479.06	1/4	843.93	1/4	1,208.27	1/4	1,573.15	1/4	1,938.04	1/4	2,302.93	1/4	2,667.81	1/4	3,032.35	1/4	3,396.62
1/2	121.80	1/2	486.66	1/2	851.52	1/2	1,215.87	1/2	1,580.76	1/2	1,945.64	1/2	2,310.53	1/2	2,675.41	1/2	3,039.94	1/2	3,404.19
3/4	129.40	3/4	494.26	3/4	859.12	3/4	1,223.47	3/4	1,588.36	3/4	1,953.24	3/4	2,318.13	3/4	2,683.00	3/4	3,047.54	3/4	3,411.76
4	136.99	4	501.86	4	866.71	4	1,231.07	4	1,595.96	4	1,960.85	4	2,325.73	4	2,690.60	4	3,055.13	4	3,419.33
1/4	144.60	1/4	509.47	1/4	874.30	1/4	1,238.68	1/4	1,603.56	1/4	1,968.45	1/4	2,333.33	1/4	2,698.19	1/4	3,062.72	1/4	3,426.90
1/2	152.20	1/2	517.07	1/2	881.88	1/2	1,246.28	1/2	1,611.16	1/2	1,976.05	1/2	2,340.94	1/2	2,705.79	1/2	3,070.32	1/2	3,434.48
3/4	159.80	3/4	524.67	3/4	889.47	3/4	1,253.88	3/4	1,618.77	3/4	1,983.65	3/4	2,348.54	3/4	2,713.38	3/4	3,077.91	3/4	3,442.05
5	167.40	5	532.27	5	897.06	5	1,261.48	5	1,626.37	5	1,991.25	5	2,356.14	5	2,720.98	5	3,085.50	5	3,449.62
1/4	175.00	1/4	539.87	1/4	904.64	1/4	1,269.08	1/4	1,633.97	1/4	1,998.86	1/4	2,363.74	1/4	2,728.57	1/4	3,093.09	1/4	3,457.19
1/2	182.60	1/2	547.47	1/2	912.23	1/2	1,276.68	1/2	1,641.57	1/2	2,006.46	1/2	2,371.34	1/2	2,736.17	1/2	3,100.68	1/2	3,464.76
3/4	190.20	3/4	555.07	3/4	919.82	3/4	1,284.29	3/4	1,649.17	3/4	2,014.06	3/4	2,378.95	3/4	2,743.76	3/4	3,108.27	3/4	3,472.33
6	197.80	6	562.68	6	927.40	6	1,291.89	6	1,656.77	6	2,021.66	6	2,386.55	6	2,751.36	6	3,115.87	6	3,479.90
1/4	205.41	1/4	570.28	1/4	934.99	1/4	1,299.49	1/4	1,664.38	1/4	2,029.26	1/4	2,394.15	1/4	2,758.95	1/4	3,123.46	1/4	3,487.47
1/2	213.01	1/2	577.88	1/2	942.58	1/2	1,307.09	1/2	1,671.98	1/2	2,036.86	1/2	2,401.75	1/2	2,766.54	1/2	3,131.05	1/2	3,495.04
3/4	220.61	3/4	585.48	3/4	950.16	3/4	1,314.69	3/4	1,679.58	3/4	2,044.47	3/4	2,409.35	3/4	2,774.14	3/4	3,138.64	3/4	3,502.62
7	228.21	7	593.08	7	957.75	7	1,322.30	7	1,687.18	7	2,052.07	7	2,416.95	7	2,781.73	7	3,146.23	7	3,510.19
1/4	235.81	1/4	600.68	1/4	965.33	1/4	1,329.90	1/4	1,694.78	1/4	2,059.67	1/4	2,424.56	1/4	2,789.33	1/4	3,153.83	1/4	3,517.76
1/2	243.41	1/2	608.28	1/2	972.92	1/2	1,337.50	1/2	1,702.39	1/2	2,067.27	1/2	2,432.16	1/2	2,796.92	1/2	3,161.42	1/2	3,525.33
3/4	251.01	3/4	615.89	3/4	980.51	3/4	1,345.10	3/4	1,709.99	3/4	2,074.87	3/4	2,439.76	3/4	2,804.52	3/4	3,169.01	3/4	3,532.90
8	258.62	8	623.49	8	988.09	8	1,352.70	8	1,717.59	8	2,082.48	8	2,447.36	8	2,812.11	8	3,176.60	8	3,540.47
1/4	266.22	1/4	631.09	1/4	995.68	1/4	1,360.30	1/4	1,725.19	1/4	2,090.08	1/4	2,454.96	1/4	2,819.71	1/4	3,184.19	1/4	3,548.04
1/2	273.82	1/2	638.69	1/2	1,003.27	1/2	1,367.91	1/2	1,732.79	1/2	2,097.68	1/2	2,462.57	1/2	2,827.30	1/2	3,191.78	1/2	3,555.61
3/4	281.42	3/4	646.29	3/4	1,010.85	3/4	1,375.51	3/4	1,740.39	3/4	2,105.28	3/4	2,470.17	3/4	2,834.90	3/4	3,199.38	3/4	3,563.18
9	289.02	9	653.89	9	1,018.44	9	1,383.11	9	1,748.00	9	2,112.88	9	2,477.77	9	2,842.49	9	3,206.97	9	3,570.76
1/4	296.62	1/4	661.50	1/4	1,026.03	1/4	1,390.71	1/4	1,755.60	1/4	2,120.48	1/4	2,485.37	1/4	2,850.08	1/4	3,214.56	1/4	3,578.33
1/2	304.23	1/2	669.10	1/2	1,033.61	1/2	1,398.31	1/2	1,763.20	1/2	2,128.09	1/2	2,492.97	1/2	2,857.68	1/2	3,222.15	1/2	3,585.90
3/4	311.83	3/4	676.70	3/4	1,041.20	3/4	1,405.92	3/4	1,770.80	3/4	2,135.69	3/4	2,500.57	3/4	2,865.27	3/4	3,229.74	3/4	3,593.47
10	319.43	10	684.30	10	1,048.79	10	1,413.52	10	1,778.40	10	2,143.29	10	2,508.18	10	2,872.87	10	3,237.34	10	3,601.04
1/4	327.03	1/4	691.90	1/4	1,056.37	1/4	1,421.12	1/4	1,786.01	1/4	2,150.89	1/4	2,515.78	1/4	2,880.46	1/4	3,244.93	1/4	3,608.61
1/2	334.63	1/2	699.50	1/2	1,063.96	1/2	1,428.72	1/2	1,793.61	1/2	2,158.49	1/2	2,523.38	1/2	2,888.06	1/2	3,252.52	1/2	3,616.18
3/4	342.23	3/4	707.10	3/4	1,071.55	3/4	1,436.32	3/4	1,801.21	3/4	2,166.10	3/4	2,530.98	3/4	2,895.65	3/4	3,260.11	3/4	3,623.75
11	349.83	11	714.71	11	1,079.13	11	1,443.92	11	1,808.81	11	2,173.70	11	2,538.58	11	2,903.25	11	3,267.70	11	3,631.32
1/4	357.44	1/4	722.31	1/4	1,086.72	1/4	1,451.53	1/4	1,816.41	1/4	2,181.30	1/4	2,546.19	1/4	2,910.84	1/4	3,275.29	1/4	3,638.32
1/2	365.04	1/2	729.91	1/2	1,094.31	1/2	1,459.13	1/2	1,824.01	1/2	2,188.90	1/2	2,553.79	1/2	2,918.43	1/2	3,282.89	1/2	3,645.32
3/4	372.64	3/4	737.51	3/4	1,101.90	3/4	1,466.73	3/4	1,831.62	3/4	2,196.50	3/4	2,561.39	3/4	2,926.03	3/4	3,290.48	3/4	3,652.31

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.

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 314"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	3,659.31	0	3,913.57	0	4,163.53	0	4,400.65	0	4,629.70	0		0		0		0		0	
1/4	3,665.15	1/4	3,918.82	1/4	4,168.61	1/4	4,405.43	1/4	4,634.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,670.98	1/2	3,924.06	1/2	4,173.70	1/2	4,410.21	1/2	4,640.12	1/2		1/2		1/2		1/2		1/2	
3/4	3,676.82	3/4	3,929.31	3/4	4,178.78	3/4	4,414.99	3/4	4,645.33	3/4		3/4		3/4		3/4		3/4	
1	3,682.65	1	3,934.56	1	4,183.86	1	4,419.77	1	4,650.54	1		1		1		1		1	
1/4	3,687.90	1/4	3,939.81	1/4	4,188.92	1/4	4,424.51	1/4	4,655.37	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.15	1/2	3,945.06	1/2	4,193.98	1/2	4,429.26	1/2	4,660.20	1/2		1/2		1/2		1/2		1/2	
3/4	3,698.40	3/4	3,950.30	3/4	4,199.04	3/4	4,434.00	3/4	4,665.03	3/4		3/4		3/4		3/4		3/4	
2	3,703.64	2	3,955.55	2	4,204.10	2	4,438.74	2	4,669.86	2		2		2		2		2	
1/4	3,708.89	1/4	3,960.80	1/4	4,209.13	1/4	4,443.45	1/4	4,673.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,714.14	1/2	3,966.05	1/2	4,214.16	1/2	4,448.15	1/2	4,677.23	1/2		1/2		1/2		1/2		1/2	
3/4	3,719.39	3/4	3,971.30	3/4	4,219.19	3/4	4,452.86	3/4		3/4		3/4		3/4		3/4		3/4	
3	3,724.64	3	3,976.55	3	4,224.22	3	4,457.56	3		3		3		3		3		3	
1/4	3,729.88	1/4	3,981.79	1/4	4,229.22	1/4	4,462.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,735.13	1/2	3,987.04	1/2	4,234.22	1/2	4,466.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,740.38	3/4	3,992.29	3/4	4,239.21	3/4	4,471.61	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,745.63	4	3,997.54	4	4,244.21	4	4,476.29	4		4		4		4		4		4	
1/4	3,750.88	1/4	4,002.79	1/4	4,249.18	1/4	4,480.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,756.13	1/2	4,008.03	1/2	4,254.15	1/2	4,485.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,761.37	3/4	4,013.28	3/4	4,259.12	3/4	4,490.27	3/4		3/4		3/4		3/4		3/4		3/4	
5	3,766.62	5	4,018.53	5	4,264.09	5	4,494.93	5		5		5		5		5		5	
1/4	3,771.87	1/4	4,023.77	1/4	4,269.04	1/4	4,499.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,777.12	1/2	4,029.02	1/2	4,273.98	1/2	4,504.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,782.37	3/4	4,034.26	3/4	4,278.93	3/4	4,508.84	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,787.61	6	4,039.51	6	4,283.88	6	4,513.47	6		6		6		6		6		6	
1/4	3,792.86	1/4	4,044.73	1/4	4,288.80	1/4	4,518.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,798.11	1/2	4,049.96	1/2	4,293.73	1/2	4,522.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,803.36	3/4	4,055.19	3/4	4,298.65	3/4	4,527.30	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,808.61	7	4,060.42	7	4,303.57	7	4,531.91	7		7		7		7		7		7	
1/4	3,813.85	1/4	4,065.62	1/4	4,308.48	1/4	4,536.50	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,819.10	1/2	4,070.83	1/2	4,313.38	1/2	4,541.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,824.35	3/4	4,076.03	3/4	4,318.28	3/4	4,545.67	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,829.60	8	4,081.24	8	4,323.18	8	4,550.25	8		8		8		8		8		8	
1/4	3,834.85	1/4	4,086.42	1/4	4,328.06	1/4	4,554.82	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,840.09	1/2	4,091.60	1/2	4,332.93	1/2	4,559.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,845.34	3/4	4,096.78	3/4	4,337.81	3/4	4,563.94	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,850.59	9	4,101.96	9	4,342.69	9	4,568.51	9		9		9		9		9		9	
1/4	3,855.84	1/4	4,107.12	1/4	4,347.54	1/4	4,573.39	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,861.09	1/2	4,112.28	1/2	4,352.40	1/2	4,578.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,866.34	3/4	4,117.43	3/4	4,357.25	3/4	4,583.15	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,871.58	10	4,122.59	10	4,362.11	10	4,588.03	10		10		10		10		10		10	
1/4	3,876.83	1/4	4,127.72	1/4	4,366.94	1/4	4,593.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,882.08	1/2	4,132.85	1/2	4,371.77	1/2	4,598.45	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,887.33	3/4	4,137.98	3/4	4,376.60	3/4	4,603.66	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,892.58	11	4,143.11	11	4,381.43	11	4,608.87	11		11		11		11		11		11	
1/4	3,897.82	1/4	4,148.21	1/4	4,386.24	1/4	4,614.07	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,903.07	1/2	4,153.32	1/2	4,391.04	1/2	4,619.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,908.32	3/4	4,158.42	3/4	4,395.85	3/4	4,624.49	3/4		3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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 314"

PORT SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-11"

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							
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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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2013

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



BARGE "CTCo 314"

STBD SLOP INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
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.
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CANCELS AND SUPERCEDES
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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 314"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-11"

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	

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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