



BARGE "ATC 3583"

ULLAGE (8 INCH)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
1 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
2 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
2 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
3 PORT	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8
3 STBD	00-5/8	- 00-5/8	01-1/8	- 01-1/8	01-3/4	- 01-3/4	02-1/4	- 02-1/4	02-7/8	- 02-7/8	03-3/8	- 03-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD DRAFT = 2'-00"
AFT DRAFT = 4'-00"
DIFF. = 2'-00" (DOWN BY STERN)

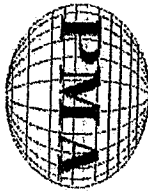
THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 3 PORT IS - 01-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED ULLAGE IS 3'-10 7/8"

LENGTH BETWEEN DRAFT MARKS: 282'-09"

October 25, 2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568

<http://www.pmacorp.net>



BARGE "ATC 3583"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
3 PORT	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8
3 STBD	00-1/2	- 00-1/2	01-0/8	- 01-0/8	01-1/2	- 01-1/2	02-0/8	- 02-0/8	02-1/2	- 02-1/2	03-0/8	- 03-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
AFT DRAFT = 4'-00"
DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 3 PORT IS - 01-0/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11"

LENGTH BETWEEN DRAFT MARKS: 282'-09"

October 25, 2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Peerland, Texas 77588

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BARGE "ATC 3583"

1 FOR

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 18'-02"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	5,642.34	0	5,256.98	0	4,868.11	0	4,488.48	0	4,068.57	0	3,658.55	0	3,258.73	0	2,858.82	0	2,458.90	0
1/4	1/4	5,636.27	1/4	5,248.87	1/4	4,864.90	1/4	4,484.80	1/4	4,064.86	1/4	3,654.82	1/4	3,254.40	1/4	2,854.48	1/4	2,454.57	1/4
1/2	1/2	5,630.20	1/2	5,240.36	1/2	4,844.48	1/2	4,444.82	1/2	4,044.90	1/2	3,644.90	1/2	3,244.07	1/2	2,844.16	1/2	2,444.24	1/2
3/4	3/4	5,624.14	3/4	5,232.05	3/4	4,833.18	3/4	4,433.48	3/4	4,033.48	3/4	3,633.65	3/4	3,233.74	3/4	2,833.82	3/4	2,433.90	3/4
1	1	5,618.07	1	5,223.74	1	4,824.87	1	4,424.16	1	4,024.24	1	3,624.32	1	3,224.41	1	2,824.49	1	2,424.57	1
1 1/4	1 1/4	5,610.69	1 1/4	5,215.43	1 1/4	4,816.56	1 1/4	4,416.92	1 1/4	4,016.92	1 1/4	3,616.89	1 1/4	3,216.97	1 1/4	2,816.97	1 1/4	2,416.97	1 1/4
1 1/2	1 1/2	5,603.32	1 1/2	5,207.12	1 1/2	4,808.26	1 1/2	4,408.48	1 1/2	4,008.48	1 1/2	3,608.66	1 1/2	3,208.74	1 1/2	2,808.83	1 1/2	2,408.91	1 1/2
1 3/4	1 3/4	5,596.94	1 3/4	5,198.81	1 3/4	4,799.94	1 3/4	4,400.16	1 3/4	4,000.24	1 3/4	3,600.33	1 3/4	3,200.41	1 3/4	2,800.49	1 3/4	2,400.58	1 3/4
2	2	5,588.57	2	5,190.50	2	4,791.53	2	4,391.83	2	3,991.83	2	3,592.00	2	3,192.08	2	2,792.16	2	2,392.24	2
2 1/4	2 1/4	5,580.43	2 1/4	5,182.19	2 1/4	4,783.32	2 1/4	4,383.50	2 1/4	3,983.58	2 1/4	3,583.66	2 1/4	3,183.75	2 1/4	2,783.83	2 1/4	2,383.92	2 1/4
2 1/2	2 1/2	5,572.30	2 1/2	5,173.88	2 1/2	4,775.01	2 1/2	4,375.17	2 1/2	3,975.25	2 1/2	3,575.33	2 1/2	3,175.42	2 1/2	2,775.50	2 1/2	2,375.58	2 1/2
2 3/4	2 3/4	5,564.17	2 3/4	5,165.57	2 3/4	4,766.70	2 3/4	4,366.84	2 3/4	3,966.92	2 3/4	3,567.00	2 3/4	3,167.08	2 3/4	2,767.17	2 3/4	2,367.25	2 3/4
3	3	5,556.04	3	5,157.26	3	4,758.39	3	4,358.50	3	3,958.59	3	3,558.67	3	3,158.75	3	2,758.84	3	2,358.92	3
3 1/4	3 1/4	5,547.78	3 1/4	5,148.95	3 1/4	4,750.07	3 1/4	4,350.17	3 1/4	3,950.26	3 1/4	3,550.34	3 1/4	3,150.42	3 1/4	2,750.50	3 1/4	2,350.59	3 1/4
3 1/2	3 1/2	5,539.46	3 1/2	5,140.64	3 1/2	4,741.74	3 1/2	4,341.84	3 1/2	3,941.92	3 1/2	3,542.01	3 1/2	3,142.09	3 1/2	2,742.17	3 1/2	2,342.26	3 1/2
3 3/4	3 3/4	5,531.17	3 3/4	5,132.33	3 3/4	4,733.42	3 3/4	4,333.57	3 3/4	3,933.65	3 3/4	3,533.68	3 3/4	3,133.76	3 3/4	2,733.84	3 3/4	2,333.93	3 3/4
4	4	5,522.87	4	5,124.02	4	4,725.09	4	4,325.18	4	3,925.26	4	3,525.34	4	3,125.43	4	2,725.51	4	2,325.59	4
4 1/4	4 1/4	5,514.57	4 1/4	5,115.71	4 1/4	4,716.76	4 1/4	4,316.85	4 1/4	3,916.93	4 1/4	3,517.01	4 1/4	3,117.10	4 1/4	2,717.18	4 1/4	2,317.26	4 1/4
4 1/2	4 1/2	5,506.26	4 1/2	5,107.40	4 1/2	4,708.43	4 1/2	4,308.51	4 1/2	3,908.60	4 1/2	3,508.68	4 1/2	3,108.76	4 1/2	2,708.85	4 1/2	2,308.93	4 1/2
4 3/4	4 3/4	5,497.96	4 3/4	5,099.09	4 3/4	4,700.10	4 3/4	4,300.18	4 3/4	3,900.27	4 3/4	3,500.35	4 3/4	3,100.43	4 3/4	2,700.52	4 3/4	2,300.60	4 3/4
5	5	5,489.66	5	5,090.78	5	4,691.77	5	4,291.85	5	3,891.93	5	3,492.02	5	3,092.10	5	2,692.18	5	2,292.27	5
5 1/4	5 1/4	5,481.35	5 1/4	5,082.47	5 1/4	4,683.44	5 1/4	4,283.52	5 1/4	3,883.60	5 1/4	3,483.69	5 1/4	3,083.77	5 1/4	2,683.85	5 1/4	2,283.94	5 1/4
5 1/2	5 1/2	5,473.04	5 1/2	5,074.16	5 1/2	4,675.13	5 1/2	4,275.19	5 1/2	3,875.27	5 1/2	3,475.35	5 1/2	3,075.44	5 1/2	2,675.52	5 1/2	2,275.61	5 1/2
5 3/4	5 3/4	5,464.73	5 3/4	5,065.85	5 3/4	4,666.77	5 3/4	4,266.86	5 3/4	3,866.94	5 3/4	3,467.02	5 3/4	3,067.11	5 3/4	2,667.19	5 3/4	2,267.27	5 3/4
6	6	5,456.42	6	5,057.56	6	4,658.44	6	4,258.52	6	3,858.61	6	3,458.69	6	3,058.77	6	2,658.86	6	2,258.94	6
6 1/4	6 1/4	5,448.11	6 1/4	5,049.24	6 1/4	4,650.11	6 1/4	4,250.19	6 1/4	3,850.28	6 1/4	3,450.36	6 1/4	3,050.44	6 1/4	2,650.53	6 1/4	2,250.61	6 1/4
6 1/2	6 1/2	5,439.80	6 1/2	5,040.93	6 1/2	4,641.78	6 1/2	4,241.86	6 1/2	3,841.94	6 1/2	3,442.03	6 1/2	3,042.11	6 1/2	2,642.19	6 1/2	2,242.28	6 1/2
6 3/4	6 3/4	5,431.49	6 3/4	5,032.62	6 3/4	4,633.45	6 3/4	4,233.53	6 3/4	3,833.61	6 3/4	3,433.70	6 3/4	3,033.78	6 3/4	2,633.86	6 3/4	2,233.95	6 3/4
7	7	5,423.18	7	5,024.31	7	4,625.11	7	4,225.20	7	3,825.28	7	3,425.36	7	3,025.45	7	2,625.53	7	2,225.62	7
7 1/4	7 1/4	5,414.87	7 1/4	5,016.00	7 1/4	4,616.78	7 1/4	4,216.87	7 1/4	3,816.95	7 1/4	3,417.03	7 1/4	3,017.12	7 1/4	2,617.20	7 1/4	2,217.29	7 1/4
7 1/2	7 1/2	5,406.56	7 1/2	5,007.69	7 1/2	4,608.46	7 1/2	4,208.53	7 1/2	3,808.62	7 1/2	3,408.70	7 1/2	3,008.78	7 1/2	2,608.87	7 1/2	2,208.95	7 1/2
7 3/4	7 3/4	5,398.25	7 3/4	4,999.38	7 3/4	4,600.12	7 3/4	4,200.20	7 3/4	3,800.29	7 3/4	3,400.37	7 3/4	3,000.46	7 3/4	2,600.54	7 3/4	2,200.62	7 3/4
8	8	5,389.94	8	4,991.07	8	4,591.79	8	4,191.87	8	3,791.95	8	3,392.04	8	2,992.12	8	2,592.20	8	2,192.29	8
8 1/4	8 1/4	5,381.63	8 1/4	4,982.76	8 1/4	4,583.46	8 1/4	4,183.54	8 1/4	3,783.62	8 1/4	3,383.71	8 1/4	2,983.79	8 1/4	2,583.87	8 1/4	2,183.96	8 1/4
8 1/2	8 1/2	5,373.32	8 1/2	4,974.45	8 1/2	4,575.13	8 1/2	4,175.21	8 1/2	3,775.29	8 1/2	3,375.37	8 1/2	2,975.46	8 1/2	2,575.54	8 1/2	2,175.63	8 1/2
8 3/4	8 3/4	5,365.01	8 3/4	4,966.14	8 3/4	4,566.79	8 3/4	4,166.88	8 3/4	3,766.96	8 3/4	3,367.04	8 3/4	2,967.13	8 3/4	2,567.21	8 3/4	2,167.30	8 3/4
9	9	5,356.70	9	4,957.83	9	4,558.46	9	4,158.55	9	3,758.63	9	3,358.71	9	2,958.79	9	2,558.88	9	2,158.96	9
9 1/4	9 1/4	5,348.39	9 1/4	4,949.52	9 1/4	4,550.13	9 1/4	4,150.21	9 1/4	3,750.30	9 1/4	3,350.38	9 1/4	2,950.46	9 1/4	2,550.55	9 1/4	2,150.63	9 1/4
9 1/2	9 1/2	5,340.08	9 1/2	4,941.21	9 1/2	4,541.80	9 1/2	4,141.88	9 1/2	3,741.97	9 1/2	3,342.05	9 1/2	2,942.13	9 1/2	2,542.21	9 1/2	2,142.30	9 1/2
9 3/4	9 3/4	5,331.77	9 3/4	4,932.90	9 3/4	4,532.47	9 3/4	4,132.55	9 3/4	3,732.63	9 3/4	3,332.72	9 3/4	2,932.80	9 3/4	2,532.88	9 3/4	2,132.97	9 3/4
10	10	5,323.46	10	4,924.59	10	4,525.14	10	4,125.22	10	3,725.30	10	3,325.39	10	2,925.47	10	2,525.56	10	2,125.64	10
10 1/4	10 1/4	5,315.15	10 1/4	4,916.28	10 1/4	4,516.80	10 1/4	4,116.88	10 1/4	3,716.97	10 1/4	3,317.05	10 1/4	2,917.14	10 1/4	2,517.22	10 1/4	2,117.31	10 1/4
10 1/2	10 1/2	5,306.84	10 1/2	4,907.97	10 1/2	4,507.97	10 1/2	4,108.05	10 1/2	3,708.14	10 1/2	3,308.22	10 1/2	2,908.31	10 1/2	2,508.39	10 1/2	2,108.48	10 1/2
10 3/4	10 3/4	5,298.53	10 3/4	4,899.66	10 3/4	4,500.14	10 3/4	4,100.22	10 3/4	3,700.31	10 3/4	3,300.39	10 3/4	2,900.47	10 3/4	2,500.56	10 3/4	2,100.64	10 3/4
11	11	5,290.22	11	4,891.35	11	4,491.81	11	4,091.89	11	3,691.98	11	3,292.06	11	2,892.14	11	2,492.22	11	2,092.31	11
11 1/4	11 1/4	5,281.91	11 1/4	4,883.04	11 1/4	4,483.48	11 1/4	4,083.56	11 1/4	3,683.64	11 1/4	3,283.73	11 1/4	2,883.81	11 1/4	2,483.89	11 1/4	2,083.98	11 1/4
11 1/2	11 1/2	5,273.60	11 1/2	4,874.73	11 1/2	4,475.15	11 1/2	4,075.23	11 1/2	3,675.31	11 1/2	3,275.40	11 1/2	2,875.48	11 1/2	2,475.56	11 1/2	2,075.65	11 1/2
11 3/4	11 3/4	5,265.29	11 3/4	4,866.42	11 3/4	4,466.81	11 3/4	4,066.90	11 3/4	3,666.98	11 3/4	3,267.06	11 3/4	2,867.15	11 3/4	2,467.23	11 3/4	2,067.32	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT
GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 44'-08" FORWARD OF AFT BULKHEAD
GAUGE POINT: (HATCH) LOCATED 12'-08" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT

& ANALYSIS, INC.

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Portland, Texas 77568

http://www.pma-inc.net



BARGE ATC 3583"

1 POR.
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	16 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,058.99	0	1,659.17	0	1,259.26	0	861.79	0	468.52	0	76.04	0		0		0		0	
1/4	2,050.66	1/4	1,650.84	1/4	1,250.93	1/4	853.49	1/4	460.24	1/4	67.89	1/4		1/4		1/4		1/4	
1/2	2,042.33	1/2	1,642.51	1/2	1,242.60	1/2	845.19	1/2	451.97	1/2	60.34	1/2		1/2		1/2		1/2	
3/4	2,034.00	3/4	1,634.18	3/4	1,234.27	3/4	836.90	3/4	443.70	3/4	52.89	3/4		3/4		3/4		3/4	
1	2,025.67	1	1,625.85	1	1,225.93	1	828.60	1	435.42	1	45.64	1		1		1		1	
1 1/4	2,017.34	1 1/4	1,617.51	1 1/4	1,217.64	1 1/4	820.27	1 1/4	427.15	1 1/4	39.91	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	2,009.01	1 1/2	1,609.18	1 1/2	1,209.36	1 1/2	811.95	1 1/2	418.78	1 1/2	34.18	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	2,000.68	3/4	1,600.85	3/4	1,201.06	3/4	803.63	3/4	410.47	3/4	28.46	3/4		3/4		3/4		3/4	
2	1,992.36	2	1,592.52	2	1,192.76	2	795.31	2	402.15	2	22.72	2		2		2		2	
1 1/4	1,984.03	1 1/4	1,584.19	1 1/4	1,184.48	1 1/4	786.97	1 1/4	393.82	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,975.70	1 1/2	1,575.86	1 1/2	1,176.21	1 1/2	778.64	1 1/2	385.48	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,967.37	3/4	1,567.53	3/4	1,167.93	3/4	770.31	3/4	377.15	3/4		3/4		3/4		3/4		3/4	
3	1,959.05	3	1,559.19	3	1,159.66	3	761.98	3	368.82	3		3		3		3		3	
1 1/4	1,950.72	1 1/4	1,550.86	1 1/4	1,151.37	1 1/4	753.65	1 1/4	360.49	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,942.39	1 1/2	1,542.53	1 1/2	1,143.10	1 1/2	745.32	1 1/2	352.16	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,934.06	3/4	1,534.20	3/4	1,134.83	3/4	736.99	3/4	343.82	3/4		3/4		3/4		3/4		3/4	
4	1,925.74	4	1,525.87	4	1,126.56	4	728.66	4	335.49	4		4		4		4		4	
1 1/4	1,917.41	1 1/4	1,517.54	1 1/4	1,118.28	1 1/4	720.32	1 1/4	327.16	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,909.08	1 1/2	1,509.20	1 1/2	1,110.01	1 1/2	711.99	1 1/2	318.83	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,900.75	3/4	1,500.87	3/4	1,101.74	3/4	703.66	3/4	310.49	3/4		3/4		3/4		3/4		3/4	
5	1,892.43	5	1,492.54	5	1,093.47	5	695.33	5	302.16	5		5		5		5		5	
1 1/4	1,884.10	1 1/4	1,484.21	1 1/4	1,085.20	1 1/4	687.00	1 1/4	293.83	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,875.77	1 1/2	1,475.88	1 1/2	1,076.92	1 1/2	678.67	1 1/2	285.50	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,867.44	3/4	1,467.55	3/4	1,068.65	3/4	670.34	3/4	277.17	3/4		3/4		3/4		3/4		3/4	
6	1,859.12	6	1,459.22	6	1,060.38	6	662.01	6	268.83	6		6		6		6		6	
1 1/4	1,850.79	1 1/4	1,450.88	1 1/4	1,052.11	1 1/4	653.67	1 1/4	260.50	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,842.46	1 1/2	1,442.55	1 1/2	1,043.84	1 1/2	645.34	1 1/2	252.17	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,834.13	3/4	1,434.22	3/4	1,035.57	3/4	637.01	3/4	243.84	3/4		3/4		3/4		3/4		3/4	
7	1,825.80	7	1,425.89	7	1,027.30	7	628.68	7	235.51	7		7		7		7		7	
1 1/4	1,817.47	1 1/4	1,417.56	1 1/4	1,019.02	1 1/4	620.35	1 1/4	227.22	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,809.14	1 1/2	1,409.23	1 1/2	1,010.75	1 1/2	612.02	1 1/2	218.93	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,800.81	3/4	1,400.90	3/4	1,002.48	3/4	603.69	3/4	210.64	3/4		3/4		3/4		3/4		3/4	
8	1,792.48	8	1,392.56	8	994.21	8	595.36	8	202.35	8		8		8		8		8	
1 1/4	1,784.14	1 1/4	1,384.23	1 1/4	985.94	1 1/4	587.03	1 1/4	194.08	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,775.81	1 1/2	1,375.90	1 1/2	977.67	1 1/2	578.70	1 1/2	185.80	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,767.48	3/4	1,367.57	3/4	969.40	3/4	570.37	3/4	177.53	3/4		3/4		3/4		3/4		3/4	
9	1,759.15	9	1,359.24	9	961.13	9	562.04	9	169.25	9		9		9		9		9	
1 1/4	1,750.82	1 1/4	1,350.91	1 1/4	952.85	1 1/4	553.71	1 1/4	160.98	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,742.49	1 1/2	1,342.57	1 1/2	944.58	1 1/2	545.38	1 1/2	152.71	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,734.16	3/4	1,334.24	3/4	936.31	3/4	537.05	3/4	144.43	3/4		3/4		3/4		3/4		3/4	
10	1,725.82	10	1,325.91	10	928.04	10	528.72	10	136.16	10		10		10		10		10	
1 1/4	1,717.49	1 1/4	1,317.58	1 1/4	919.77	1 1/4	520.39	1 1/4	127.89	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,709.16	1 1/2	1,309.25	1 1/2	911.50	1 1/2	512.06	1 1/2	119.62	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,700.83	3/4	1,300.92	3/4	903.23	3/4	503.73	3/4	111.35	3/4		3/4		3/4		3/4		3/4	
11	1,692.50	11	1,292.59	11	894.95	11	495.40	11	103.08	11		11		11		11		11	
1 1/4	1,684.17	1 1/4	1,284.26	1 1/4	886.68	1 1/4	487.07	1 1/4	94.81	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,675.83	1 1/2	1,275.92	1 1/2	878.37	1 1/2	478.74	1 1/2	86.54	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2	
3/4	1,667.50	3/4	1,267.59	3/4	870.08	3/4	470.41	3/4	78.27	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2018 CL
CALCULATED: 10/25/2018 CL
PRINTED: 10/25/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Pearland, Texas 77688
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BARGE ATC 3583"

1 STB.
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"																			
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	5,654.36	0	5,266.29	0	4,867.80	0	4,468.15	0	4,068.73	0	3,668.98	0	3,267.24	0	2,867.50	0	2,467.76	0
1/4	1/4	5,644.48	1/4	5,256.42	1/4	4,857.92	1/4	4,458.27	1/4	4,058.85	1/4	3,658.58	1/4	3,256.93	1/4	2,857.17	1/4	2,457.43	1/4
1/2	1/2	5,634.52	1/2	5,246.49	1/2	4,847.99	1/2	4,448.34	1/2	4,048.82	1/2	3,648.33	1/2	3,247.28	1/2	2,847.52	1/2	2,447.78	1/2
3/4	3/4	5,624.56	3/4	5,236.58	3/4	4,838.08	3/4	4,438.69	3/4	4,039.13	3/4	3,638.84	3/4	3,237.59	3/4	2,837.83	3/4	2,438.09	3/4
1	1	5,614.60	1	5,226.63	1	4,828.18	1	4,428.80	1	4,029.27	1	3,628.88	1	3,227.64	1	2,827.88	1	2,428.14	1
1 1/4	1 1/4	5,604.64	1 1/4	5,216.67	1 1/4	4,818.27	1 1/4	4,418.91	1 1/4	4,019.31	1 1/4	3,618.93	1 1/4	3,217.69	1 1/4	2,817.93	1 1/4	2,418.19	1 1/4
1 1/2	1 1/2	5,594.68	1 1/2	5,206.71	1 1/2	4,808.36	1 1/2	4,408.95	1 1/2	4,009.35	1 1/2	3,608.97	1 1/2	3,207.74	1 1/2	2,808.00	1 1/2	2,408.26	1 1/2
1 3/4	1 3/4	5,584.72	1 3/4	5,196.75	1 3/4	4,798.40	1 3/4	4,399.05	1 3/4	3,999.45	1 3/4	3,599.07	1 3/4	3,197.84	1 3/4	2,800.08	1 3/4	2,400.34	1 3/4
2	2	5,574.76	2	5,186.79	2	4,788.44	2	4,389.09	2	3,989.49	2	3,589.11	2	3,187.88	2	2,790.08	2	2,390.34	2
2 1/4	2 1/4	5,564.80	2 1/4	5,176.83	2 1/4	4,778.48	2 1/4	4,379.13	2 1/4	3,979.53	2 1/4	3,579.15	2 1/4	3,177.92	2 1/4	2,780.12	2 1/4	2,380.38	2 1/4
2 1/2	2 1/2	5,554.84	2 1/2	5,166.87	2 1/2	4,768.52	2 1/2	4,369.17	2 1/2	3,969.57	2 1/2	3,569.19	2 1/2	3,167.96	2 1/2	2,770.16	2 1/2	2,370.42	2 1/2
2 3/4	2 3/4	5,544.88	2 3/4	5,156.91	2 3/4	4,758.56	2 3/4	4,359.21	2 3/4	3,959.61	2 3/4	3,559.23	2 3/4	3,158.00	2 3/4	2,760.20	2 3/4	2,360.46	2 3/4
3	3	5,534.92	3	5,146.95	3	4,748.60	3	4,349.25	3	3,949.65	3	3,549.27	3	3,147.54	3	2,750.26	3	2,350.52	3
3 1/4	3 1/4	5,524.96	3 1/4	5,137.00	3 1/4	4,738.64	3 1/4	4,339.29	3 1/4	3,939.69	3 1/4	3,539.31	3 1/4	3,137.58	3 1/4	2,740.30	3 1/4	2,340.56	3 1/4
3 1/2	3 1/2	5,514.99	3 1/2	5,127.04	3 1/2	4,728.68	3 1/2	4,329.33	3 1/2	3,929.73	3 1/2	3,529.35	3 1/2	3,127.65	3 1/2	2,730.34	3 1/2	2,330.60	3 1/2
3 3/4	3 3/4	5,505.03	3 3/4	5,117.08	3 3/4	4,718.72	3 3/4	4,319.37	3 3/4	3,919.77	3 3/4	3,519.39	3 3/4	3,117.70	3 3/4	2,720.38	3 3/4	2,320.66	3 3/4
4	4	5,495.07	4	5,107.12	4	4,708.76	4	4,309.35	4	3,909.75	4	3,509.37	4	3,107.68	4	2,710.42	4	2,310.68	4
4 1/4	4 1/4	5,485.11	4 1/4	5,097.16	4 1/4	4,698.80	4 1/4	4,299.39	4 1/4	3,899.79	4 1/4	3,499.41	4 1/4	3,097.72	4 1/4	2,700.46	4 1/4	2,300.72	4 1/4
4 1/2	4 1/2	5,475.15	4 1/2	5,087.20	4 1/2	4,688.84	4 1/2	4,289.43	4 1/2	3,889.83	4 1/2	3,489.45	4 1/2	3,087.78	4 1/2	2,690.50	4 1/2	2,290.76	4 1/2
4 3/4	4 3/4	5,465.19	4 3/4	5,077.24	4 3/4	4,678.88	4 3/4	4,279.47	4 3/4	3,879.87	4 3/4	3,479.49	4 3/4	3,077.82	4 3/4	2,680.54	4 3/4	2,280.80	4 3/4
5	5	5,455.23	5	5,067.28	5	4,668.92	5	4,269.51	5	3,869.91	5	3,469.53	5	3,067.86	5	2,670.58	5	2,270.84	5
5 1/4	5 1/4	5,445.27	5 1/4	5,057.32	5 1/4	4,658.96	5 1/4	4,259.55	5 1/4	3,859.95	5 1/4	3,459.57	5 1/4	3,057.90	5 1/4	2,660.62	5 1/4	2,261.00	5 1/4
5 1/2	5 1/2	5,435.31	5 1/2	5,047.36	5 1/2	4,648.99	5 1/2	4,249.59	5 1/2	3,849.99	5 1/2	3,449.61	5 1/2	3,048.04	5 1/2	2,650.66	5 1/2	2,251.04	5 1/2
5 3/4	5 3/4	5,425.35	5 3/4	5,037.40	5 3/4	4,639.03	5 3/4	4,239.63	5 3/4	3,839.03	5 3/4	3,438.65	5 3/4	3,036.98	5 3/4	2,640.70	5 3/4	2,241.08	5 3/4
6	6	5,415.39	6	5,027.44	6	4,629.07	6	4,229.67	6	3,829.67	6	3,429.29	6	3,027.62	6	2,630.72	6	2,231.12	6
6 1/4	6 1/4	5,405.43	6 1/4	5,017.48	6 1/4	4,619.11	6 1/4	4,219.71	6 1/4	3,819.71	6 1/4	3,419.33	6 1/4	3,017.66	6 1/4	2,620.76	6 1/4	2,221.16	6 1/4
6 1/2	6 1/2	5,395.47	6 1/2	5,007.52	6 1/2	4,609.15	6 1/2	4,209.75	6 1/2	3,809.75	6 1/2	3,409.37	6 1/2	3,007.70	6 1/2	2,610.80	6 1/2	2,211.20	6 1/2
6 3/4	6 3/4	5,385.51	6 3/4	4,997.56	6 3/4	4,599.19	6 3/4	4,200.79	6 3/4	3,800.79	6 3/4	3,400.41	6 3/4	2,998.74	6 3/4	2,600.84	6 3/4	2,201.24	6 3/4
7	7	5,375.55	7	4,987.60	7	4,589.23	7	4,191.40	7	3,791.91	7	3,392.16	7	2,992.42	7	2,592.68	7	2,192.94	7
7 1/4	7 1/4	5,365.59	7 1/4	4,977.64	7 1/4	4,579.27	7 1/4	4,181.44	7 1/4	3,781.95	7 1/4	3,382.20	7 1/4	2,982.46	7 1/4	2,582.72	7 1/4	2,182.98	7 1/4
7 1/2	7 1/2	5,355.63	7 1/2	4,967.68	7 1/2	4,569.31	7 1/2	4,171.48	7 1/2	3,772.01	7 1/2	3,372.26	7 1/2	2,972.50	7 1/2	2,572.76	7 1/2	2,173.02	7 1/2
7 3/4	7 3/4	5,345.67	7 3/4	4,957.72	7 3/4	4,559.35	7 3/4	4,161.52	7 3/4	3,762.05	7 3/4	3,362.30	7 3/4	2,962.54	7 3/4	2,562.80	7 3/4	2,163.06	7 3/4
8	8	5,335.71	8	4,947.76	8	4,549.39	8	4,151.56	8	3,752.09	8	3,352.34	8	2,952.58	8	2,552.84	8	2,153.10	8
8 1/4	8 1/4	5,325.75	8 1/4	4,937.80	8 1/4	4,539.43	8 1/4	4,141.60	8 1/4	3,742.13	8 1/4	3,342.38	8 1/4	2,942.62	8 1/4	2,542.88	8 1/4	2,143.14	8 1/4
8 1/2	8 1/2	5,315.79	8 1/2	4,927.84	8 1/2	4,529.47	8 1/2	4,131.64	8 1/2	3,732.17	8 1/2	3,332.42	8 1/2	2,932.66	8 1/2	2,532.92	8 1/2	2,133.18	8 1/2
8 3/4	8 3/4	5,305.83	8 3/4	4,917.88	8 3/4	4,519.51	8 3/4	4,121.68	8 3/4	3,722.21	8 3/4	3,322.46	8 3/4	2,922.70	8 3/4	2,522.96	8 3/4	2,123.22	8 3/4
9	9	5,295.87	9	4,907.92	9	4,509.55	9	4,111.72	9	3,712.25	9	3,312.50	9	2,912.74	9	2,513.00	9	2,113.26	9
9 1/4	9 1/4	5,285.91	9 1/4	4,897.96	9 1/4	4,500.59	9 1/4	4,101.76	9 1/4	3,702.29	9 1/4	3,302.54	9 1/4	2,902.78	9 1/4	2,503.04	9 1/4	2,103.30	9 1/4
9 1/2	9 1/2	5,275.95	9 1/2	4,887.99	9 1/2	4,490.63	9 1/2	4,091.80	9 1/2	3,692.33	9 1/2	3,292.58	9 1/2	2,892.82	9 1/2	2,493.08	9 1/2	2,093.34	9 1/2
9 3/4	9 3/4	5,265.99	9 3/4	4,878.03	9 3/4	4,480.67	9 3/4	4,081.84	9 3/4	3,682.37	9 3/4	3,282.62	9 3/4	2,882.86	9 3/4	2,483.12	9 3/4	2,083.38	9 3/4
10	10	5,256.03	10	4,868.07	10	4,470.71	10	4,071.88	10	3,672.91	10	3,273.16	10	2,873.40	10	2,473.66	10	2,073.64	10
10 1/4	10 1/4	5,246.07	10 1/4	4,858.11	10 1/4	4,460.75	10 1/4	4,061.92	10 1/4	3,663.05	10 1/4	3,263.30	10 1/4	2,863.54	10 1/4	2,463.80	10 1/4	2,063.80	10 1/4
10 1/2	10 1/2	5,236.11	10 1/2	4,848.15	10 1/2	4,450.79	10 1/2	4,051.96	10 1/2	3,653.09	10 1/2	3,253.34	10 1/2	2,853.58	10 1/2	2,453.84	10 1/2	2,053.84	10 1/2
10 3/4	10 3/4	5,226.15	10 3/4	4,838.19	10 3/4	4,440.83	10 3/4	4,042.00	10 3/4	3,643.13	10 3/4	3,243.38	10 3/4	2,843.62	10 3/4	2,443.88	10 3/4	2,043.88	10 3/4
11	11	5,216.19	11	4,828.23	11	4,430.87	11	4,032.04	11	3,633.17	11	3,233.42	11	2,833.66	11	2,433.92	11	2,034.16	11
11 1/4	11 1/4	5,206.23	11 1/4	4,818.27	11 1/4	4,420.91	11 1/4	4,022.08	11 1/4	3,623.21	11 1/4	3,223.46	11 1/4	2,823.70	11 1/4	2,423.96	11 1/4	2,024.20	11 1/4
11 1/2	11 1/2	5,196.27	11 1/2	4,808.31	11 1/2	4,411.05	11 1/2	4,012.22	11 1/2	3,613.25	11 1/2	3,213.50	11 1/2	2,813.74	11 1/2	2,41,			



BARGE "ATC 3583"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		18 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,068.62	1/4	1,868.38	1/4	1,268.64	1/4	869.90	1/4	476.58	1/4	82.54	1/4		1/4		1/4		1/4		1/4	
1/2	2,069.69	1/2	1,869.05	1/2	1,269.31	1/2	869.58	1/2	468.31	1/2	75.00	1/2		1/2		1/2		1/2		1/2	
3/4	2,051.36	3/4	1,851.72	3/4	1,251.98	3/4	853.26	3/4	460.04	3/4	67.66	3/4		3/4		3/4		3/4		3/4	
1	2,043.04	1	1,843.39	1	1,243.66	1	844.92	1	451.77	1	60.31	1		1		1		1		1	
1/4	2,034.71	1/4	1,835.07	1/4	1,235.33	1/4	836.59	1/4	443.50	1/4	52.96	1/4		1/4		1/4		1/4		1/4	
1/2	2,026.38	1/2	1,826.74	1/2	1,227.00	1/2	828.27	1/2	435.23	1/2	45.62	1/2		1/2		1/2		1/2		1/2	
3/4	2,018.06	3/4	1,818.41	3/4	1,218.69	3/4	819.94	3/4	426.91	3/4	39.89	3/4		3/4		3/4		3/4		3/4	
2	2,009.74	2	1,810.08	2	1,210.37	2	811.61	2	418.60	2	34.17	2		2		2		2		2	
1/4	2,001.41	1/4	1,801.76	1/4	1,202.06	1/4	803.28	1/4	410.29	1/4	28.44	1/4		1/4		1/4		1/4		1/4	
1/2	1,993.09	1/2	1,793.43	1/2	1,193.74	1/2	794.95	1/2	401.97	1/2	22.72	1/2		1/2		1/2		1/2		1/2	
3/4	1,984.78	3/4	1,785.10	3/4	1,185.43	3/4	786.63	3/4	393.84	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,976.44	1	1,776.77	1	1,177.13	1	778.30	1	385.31	1		1		1		1		1		1	
1/4	1,968.12	1/4	1,768.44	1/4	1,168.82	1/4	769.97	1/4	376.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,959.79	1/2	1,759.12	1/2	1,159.51	1/2	761.64	1/2	368.66	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,951.47	3/4	1,750.79	3/4	1,151.20	3/4	753.32	3/4	360.33	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,943.15	1	1,742.46	1	1,142.89	1	744.99	1	352.00	1		1		1		1		1		1	
1/4	1,934.82	1/4	1,734.13	1/4	1,135.60	1/4	736.66	1/4	343.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,926.50	1/2	1,725.80	1/2	1,127.29	1/2	728.33	1/2	335.34	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,918.17	3/4	1,717.48	3/4	1,118.99	3/4	720.01	3/4	327.01	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,909.85	1	1,709.15	1	1,110.69	1	711.68	1	318.69	1		1		1		1		1		1	
1/4	1,901.53	1/4	1,701.82	1/4	1,102.39	1/4	703.36	1/4	310.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,893.20	1/2	1,693.49	1/2	1,094.09	1/2	695.02	1/2	302.03	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,884.88	3/4	1,684.16	3/4	1,085.79	3/4	686.69	3/4	293.70	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,876.55	1	1,675.84	1	1,077.49	1	678.37	1	285.37	1		1		1		1		1		1	
1/4	1,868.23	1/4	1,667.51	1/4	1,069.19	1/4	670.04	1/4	277.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,859.91	1/2	1,659.18	1/2	1,060.88	1/2	661.71	1/2	268.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,851.58	3/4	1,650.85	3/4	1,052.58	3/4	653.38	3/4	260.39	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,843.26	1	1,643.52	1	1,044.28	1	645.06	1	252.06	1		1		1		1		1		1	
1/4	1,834.93	1/4	1,635.20	1/4	1,035.98	1/4	636.73	1/4	243.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,826.61	1/2	1,626.87	1/2	1,027.68	1/2	628.40	1/2	235.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,818.28	3/4	1,618.54	3/4	1,019.38	3/4	620.07	3/4	227.11	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,809.95	1	1,610.21	1	1,011.08	1	611.75	1	218.83	1		1		1		1		1		1	
1/4	1,801.62	1/4	1,601.89	1/4	1,002.78	1/4	603.42	1/4	210.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,793.30	1/2	1,593.56	1/2	994.47	1/2	595.09	1/2	202.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,784.97	3/4	1,585.23	3/4	985.17	3/4	587.33	3/4	193.99	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,776.64	1	1,576.90	1	977.87	1	579.57	1	185.72	1		1		1		1		1		1	
1/4	1,768.31	1/4	1,568.57	1/4	969.57	1/4	571.81	1/4	177.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,759.98	1/2	1,560.25	1/2	961.27	1/2	563.05	1/2	169.18	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,751.66	3/4	1,551.92	3/4	952.97	3/4	555.48	3/4	160.91	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,743.33	1	1,543.59	1	944.67	1	548.92	1	152.64	1		1		1		1		1		1	
1/4	1,735.00	1/4	1,535.26	1/4	936.37	1/4	541.35	1/4	144.37	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,726.67	1/2	1,526.93	1/2	928.06	1/2	533.78	1/2	136.10	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,718.35	3/4	1,518.61	3/4	919.76	3/4	525.66	3/4	128.36	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,710.02	1	1,510.28	1	911.46	1	517.59	1	120.63	1		1		1		1		1		1	
1/4	1,701.69	1/4	1,501.95	1/4	903.16	1/4	509.49	1/4	112.89	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,693.36	1/2	1,493.62	1/2	894.86	1/2	501.39	1/2	105.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,685.03	3/4	1,485.29	3/4	886.54	3/4	493.12	3/4	97.82	3/4		3/4		3/4		3/4		3/4		3/4	
1	1,676.71	1	1,476.97	1	878.22	1	484.85	1	90.08	1		1		1		1		1		1	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2018 CL
CALCULATED: 10/25/2018 CL
PRINTED: 10/25/2018 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/20/18

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pma-inc.net



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ULLAGE TABLE

Gauge Height 15'-02 1/4"

GAUGE HEIGHT 15'-02 1/4"																			
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0	5.448.64	0	5.078.86	0	4.692.65	0	4.306.74	0	3.918.45	0	3.531.20	0	3.143.95	0	2.756.69	0	2.369.44	
10	1/4	5.448.92	1/4	5.070.82	1/4	4.684.61	1/4	4.289.64	1/4	3.910.39	1/4	3.523.13	1/4	3.135.88	1/4	2.748.62	1/4	2.361.37	
12	1/2	5.438.05	1/2	5.062.77	1/2	4.676.56	1/2	4.289.57	1/2	3.902.32	1/2	3.516.06	1/2	3.127.81	1/2	2.740.56	1/2	2.353.30	
24	3/4	5.432.18	3/4	5.054.72	3/4	4.668.52	3/4	4.281.51	3/4	3.894.25	3/4	3.507.00	3/4	3.119.74	3/4	2.732.49	3/4	2.346.23	
1	1	5.426.31	1	5.046.68	1	4.660.47	1	4.273.44	1	3.886.18	1	3.499.93	1	3.111.67	1	2.724.42	1	2.337.17	
14	1/4	5.420.44	1/4	5.038.83	1/4	4.652.42	1/4	4.265.37	1/4	3.878.12	1/4	3.480.86	1/4	3.103.61	1/4	2.716.35	1/4	2.329.10	
12	1/2	5.413.30	1/2	5.030.65	1/2	4.644.38	1/2	4.257.30	1/2	3.870.05	1/2	3.482.79	1/2	3.095.54	1/2	2.708.28	1/2	2.321.03	
10	10	5.406.16	10	5.022.54	10	4.636.33	10	4.249.23	10	3.861.98	10	3.474.73	10	3.087.47	10	2.700.22	10	2.312.96	
8	8	5.399.02	8	5.014.49	8	4.628.29	8	4.241.17	8	3.853.91	8	3.465.66	8	3.079.40	8	2.692.16	8	2.304.90	
6	6	5.391.88	6	5.006.46	6	4.620.24	6	4.233.10	6	3.845.84	6	3.458.59	6	3.071.34	6	2.684.08	6	2.296.83	
4	4	5.384.01	4	4.998.40	4	4.612.19	4	4.225.03	4	3.837.78	4	3.449.52	4	3.063.27	4	2.676.01	4	2.288.76	
2	2	5.376.13	2	4.990.36	2	4.604.15	2	4.216.96	2	3.829.71	2	3.442.45	2	3.055.20	2	2.667.95	2	2.280.69	
0	0	5.368.26	0	4.982.31	0	4.596.10	0	4.208.89	0	3.821.64	0	3.434.39	0	3.047.13	0	2.659.88	0	2.272.63	
10	1/4	5.360.35	1/4	4.974.26	1/4	4.588.05	1/4	4.200.83	1/4	3.813.57	1/4	3.426.32	1/4	3.039.06	1/4	2.651.81	1/4	2.264.56	
12	1/2	5.352.36	1/2	4.966.22	1/2	4.580.42	1/2	4.192.76	1/2	3.805.50	1/2	3.418.25	1/2	3.031.00	1/2	2.643.74	1/2	2.256.49	
14	3/4	5.344.33	3/4	4.958.17	3/4	4.571.93	3/4	4.184.89	3/4	3.797.44	3/4	3.410.18	3/4	3.022.93	3/4	2.635.67	3/4	2.248.42	
4	4	5.336.30	4	4.950.13	4	4.563.87	4	4.176.62	4	3.789.37	4	3.402.11	4	3.014.86	4	2.627.61	4	2.240.35	
12	1/2	5.328.27	1/2	4.942.08	1/2	4.556.81	1/2	4.168.56	1/2	3.781.30	1/2	3.394.05	1/2	3.008.79	1/2	2.619.54	1/2	2.232.28	
10	10	5.320.23	10	4.934.03	10	4.547.74	10	4.160.49	10	3.773.23	10	3.386.98	10	2.998.72	10	2.611.47	10	2.224.22	
8	8	5.312.19	8	4.926.99	8	4.539.67	8	4.152.42	8	3.765.17	8	3.378.91	8	2.990.65	8	2.603.40	8	2.216.15	
6	6	5.304.15	6	4.917.94	6	4.531.61	6	4.144.35	6	3.757.10	6	3.369.84	6	2.982.59	6	2.595.33	6	2.208.08	
10	1/4	5.296.11	1/4	4.909.50	1/4	4.523.54	1/4	4.136.22	1/4	3.749.93	1/4	3.361.78	1/4	2.974.62	1/4	2.587.27	1/4	2.200.02	
12	1/2	5.288.06	1/2	4.901.65	1/2	4.515.47	1/2	4.128.22	1/2	3.740.58	1/2	3.355.71	1/2	2.966.45	1/2	2.579.20	1/2	2.193.88	
14	3/4	5.280.01	3/4	4.893.80	3/4	4.507.40	3/4	4.120.15	3/4	3.732.89	3/4	3.346.64	3/4	2.958.39	3/4	2.571.13	3/4	2.183.88	
8	8	5.271.97	8	4.886.76	8	4.498.34	8	4.112.08	8	3.724.83	8	3.337.57	8	2.950.32	8	2.563.06	8	2.176.81	
10	1/4	5.263.92	1/4	4.877.71	1/4	4.491.27	1/4	4.104.01	1/4	3.716.76	1/4	3.329.50	1/4	2.942.25	1/4	2.555.00	1/4	2.167.75	
12	1/2	5.255.87	1/2	4.869.67	1/2	4.483.20	1/2	4.095.95	1/2	3.708.69	1/2	3.321.44	1/2	2.934.18	1/2	2.546.93	1/2	2.159.68	
14	3/4	5.247.83	3/4	4.861.62	3/4	4.476.13	3/4	4.087.86	3/4	3.700.62	3/4	3.313.37	3/4	2.926.11	3/4	2.538.86	3/4	2.151.81	
7	7	5.239.78	7	4.853.57	7	4.467.06	7	4.079.74	7	3.692.66	7	3.306.30	7	2.918.05	7	2.530.79	7	2.143.64	
14	1/4	5.231.74	1/4	4.846.53	1/4	4.458.03	1/4	4.071.81	1/4	3.684.49	1/4	3.297.23	1/4	2.909.98	1/4	2.522.72	1/4	2.135.47	
12	1/2	5.223.69	1/2	4.837.48	1/2	4.450.93	1/2	4.063.67	1/2	3.676.42	1/2	3.289.17	1/2	2.901.91	1/2	2.514.65	1/2	2.127.41	
10	10	5.215.64	10	4.829.44	10	4.442.88	10	4.054.87	10	3.666.35	10	3.281.10	10	2.893.84	10	2.506.59	10	2.119.34	
8	8	5.207.60	8	4.821.39	8	4.434.79	8	4.046.84	8	3.660.28	8	3.273.03	8	2.885.76	8	2.498.52	8	2.111.27	
14	1/4	5.199.55	1/4	4.813.34	1/4	4.426.73	1/4	4.039.47	1/4	3.652.22	1/4	3.264.95	1/4	2.877.71	1/4	2.490.45	1/4	2.103.20	
12	1/2	5.191.51	1/2	4.805.30	1/2	4.418.66	1/2	4.031.30	1/2	3.644.15	1/2	3.256.89	1/2	2.869.64	1/2	2.482.39	1/2	2.095.14	
10	10	5.183.46	10	4.797.25	10	4.410.59	10	4.023.34	10	3.636.08	10	3.248.83	10	2.861.57	10	2.474.32	10	2.087.07	
8	8	5.175.41	8	4.789.21	8	4.402.52	8	4.015.27	8	3.628.01	8	3.240.76	8	2.853.50	8	2.466.26	8	2.079.90	
14	1/4	5.167.37	1/4	4.781.18	1/4	4.394.45	1/4	4.007.20	1/4	3.619.95	1/4	3.232.69	1/4	2.845.44	1/4	2.458.18	1/4	2.070.93	
12	1/2	5.159.32	1/2	4.773.11	1/2	4.386.39	1/2	3.999.13	1/2	3.611.88	1/2	3.224.62	1/2	2.837.37	1/2	2.450.12	1/2	2.062.87	
10	10	5.151.28	10	4.765.07	10	4.378.32	10	3.991.08	10	3.603.81	10	3.216.56	10	2.829.30	10	2.442.05	10	2.054.80	
8	8	5.143.23	8	4.757.02	8	4.370.25	8	3.983.00	8	3.595.74	8	3.208.49	8	2.821.23	8	2.433.98	8	2.046.73	
14	1/4	5.135.18	1/4	4.749.98	1/4	4.362.18	1/4	3.974.93	1/4	3.587.67	1/4	3.200.42	1/4	2.813.17	1/4	2.425.91	1/4	2.038.66	
12	1/2	5.127.14	1/2	4.740.93	1/2	4.354.12	1/2	3.966.88	1/2	3.579.61	1/2	3.192.35	1/2	2.805.10	1/2	2.417.84	1/2	2.030.58	
10	10	5.119.09	10	4.732.88	10	4.346.05	10	3.958.79	10	3.571.54	10	3.184.28	10	2.797.03	10	2.409.78	10	2.022.53	
8	8	5.111.05	8	4.724.83	8	4.339.98	8	3.950.73	8	3.563.47	8	3.176.22	8	2.788.96	8	2.401.71	8	2.014.46	
14	1/4	5.103.00	1/4	4.716.79	1/4	4.332.91	1/4	3.942.66	1/4	3.555.40	1/4	3.168.15	1/4	2.780.88	1/4	2.396.39	1/4	2.006.39	
12	1/2	5.094.95	1/2	4.708.76	1/2	4.321.84	1/2	3.934.59	1/2	3.547.34	1/2	3.160.08	1/2	2.772.83	1/2	2.385.57	1/2	1.998.32	
10	10	5.086.91	10	4.700.70	10	4.313.78	10	3.926.52	10	3.539.27	10	3.152.01	10	2.764.76	10	2.377.51	10	1.990.26	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Paaland, Texas 77586

SHEET NO. 5 OF 12

Handwritten signature

Parland, Texas 77566
<http://www.pmacorp.net>



CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

BARGE "ATC 3583"

2 PORT ULLAGE TABLE

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	1,982.19	0	1,569.00	0	1,211.75	0	840.22	0	461.50	0	79.54	0		0		0		0	
1/4	1,974.12	1/4	1,560.93	1/4	1,203.68	1/4	832.51	1/4	453.48	1/4	72.57	1/4		1/4		1/4		1/4	
1/2	1,966.12	1/2	1,552.86	1/2	1,195.61	1/2	824.59	1/2	445.48	1/2	65.56	1/2		1/2		1/2		1/2	
3/4	1,958.11	3/4	1,544.79	3/4	1,187.54	3/4	817.08	3/4	437.47	3/4	58.44	3/4		3/4		3/4		3/4	
1	1,950.11	1	1,536.73	1	1,179.48	1	809.36	1	429.46	1	51.33	1		1		1		1	
1 1/4	1,942.10	1 1/4	1,528.66	1 1/4	1,171.41	1 1/4	801.64	1 1/4	421.45	1 1/4	44.22	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	1,934.18	1 1/2	1,520.59	1 1/2	1,163.32	1 1/2	793.85	1 1/2	413.39	1 1/2	38.57	1 1/2		1 1/2		1 1/2		1 1/2	
3/2	1,926.26	3/2	1,512.52	3/2	1,155.26	3/2	786.08	3/2	405.34	3/2	33.13	3/2		3/2		3/2		3/2	
2	1,918.34	2	1,504.46	2	1,147.19	2	778.32	2	397.28	2	27.88	2		2		2		2	
2 1/4	1,910.43	2 1/4	1,496.39	2 1/4	1,139.12	2 1/4	770.72	2 1/4	389.23	2 1/4	22.03	2 1/4		2 1/4		2 1/4		2 1/4	
2 1/2	1,902.53	2 1/2	1,488.32	2 1/2	1,131.05	2 1/2	763.59	2 1/2	381.16	2 1/2		2 1/2		2 1/2		2 1/2		2 1/2	
3/2	1,894.63	3/2	1,480.25	3/2	1,122.98	3/2	755.99	3/2	373.09	3/2		3/2		3/2		3/2		3/2	
3	1,886.73	3	1,472.19	3	1,114.91	3	748.52	3	365.03	3		3		3		3		3	
3 1/4	1,878.83	3 1/4	1,464.12	3 1/4	1,106.84	3 1/4	740.95	3 1/4	356.96	3 1/4		3 1/4		3 1/4		3 1/4		3 1/4	
3 1/2	1,870.93	3 1/2	1,456.05	3 1/2	1,100.76	3 1/2	733.39	3 1/2	348.89	3 1/2		3 1/2		3 1/2		3 1/2		3 1/2	
3/2	1,863.03	3/2	1,447.98	3/2	1,094.67	3/2	725.82	3/2	340.82	3/2		3/2		3/2		3/2		3/2	
4	1,855.14	4	1,439.91	4	1,086.58	4	718.25	4	332.75	4		4		4		4		4	
4 1/4	1,847.24	4 1/4	1,431.84	4 1/4	1,078.50	4 1/4	710.68	4 1/4	324.68	4 1/4		4 1/4		4 1/4		4 1/4		4 1/4	
4 1/2	1,839.34	4 1/2	1,423.77	4 1/2	1,070.43	4 1/2	703.12	4 1/2	316.62	4 1/2		4 1/2		4 1/2		4 1/2		4 1/2	
5	1,831.44	5	1,415.71	5	1,062.36	5	695.05	5	308.55	5		5		5		5		5	
5 1/4	1,823.54	5 1/4	1,407.64	5 1/4	1,054.29	5 1/4	687.48	5 1/4	300.48	5 1/4		5 1/4		5 1/4		5 1/4		5 1/4	
5 1/2	1,815.64	5 1/2	1,399.58	5 1/2	1,046.22	5 1/2	679.91	5 1/2	292.41	5 1/2		5 1/2		5 1/2		5 1/2		5 1/2	
6	1,807.74	6	1,391.51	6	1,038.15	6	672.34	6	284.34	6		6		6		6		6	
6 1/4	1,799.85	6 1/4	1,383.44	6 1/4	1,030.08	6 1/4	664.86	6 1/4	276.27	6 1/4		6 1/4		6 1/4		6 1/4		6 1/4	
6 1/2	1,791.95	6 1/2	1,375.37	6 1/2	1,022.01	6 1/2	657.39	6 1/2	268.20	6 1/2		6 1/2		6 1/2		6 1/2		6 1/2	
7	1,784.05	7	1,367.31	7	1,013.94	7	649.91	7	260.14	7		7		7		7		7	
7 1/4	1,776.09	7 1/4	1,359.24	7 1/4	1,005.87	7 1/4	642.44	7 1/4	252.07	7 1/4		7 1/4		7 1/4		7 1/4		7 1/4	
7 1/2	1,768.13	7 1/2	1,351.17	7 1/2	997.80	7 1/2	634.97	7 1/2	244.00	7 1/2		7 1/2		7 1/2		7 1/2		7 1/2	
8	1,760.16	8	1,343.10	8	989.73	8	627.50	8	235.93	8		8		8		8		8	
8 1/4	1,752.20	8 1/4	1,335.03	8 1/4	981.66	8 1/4	619.99	8 1/4	227.86	8 1/4		8 1/4		8 1/4		8 1/4		8 1/4	
8 1/2	1,744.15	8 1/2	1,326.97	8 1/2	973.59	8 1/2	612.52	8 1/2	219.84	8 1/2		8 1/2		8 1/2		8 1/2		8 1/2	
9	1,736.11	9	1,318.90	9	965.52	9	605.05	9	211.84	9		9		9		9		9	
9 1/4	1,728.06	9 1/4	1,310.83	9 1/4	957.45	9 1/4	597.57	9 1/4	203.79	9 1/4		9 1/4		9 1/4		9 1/4		9 1/4	
9 1/2	1,720.01	9 1/2	1,302.76	9 1/2	949.38	9 1/2	589.50	9 1/2	195.76	9 1/2		9 1/2		9 1/2		9 1/2		9 1/2	
10	1,711.95	10	1,294.70	10	941.31	10	581.43	10	187.75	10		10		10		10		10	
10 1/4	1,703.88	10 1/4	1,286.63	10 1/4	933.24	10 1/4	573.36	10 1/4	179.74	10 1/4		10 1/4		10 1/4		10 1/4		10 1/4	
10 1/2	1,695.81	10 1/2	1,278.56	10 1/2	925.17	10 1/2	565.29	10 1/2	171.73	10 1/2		10 1/2		10 1/2		10 1/2		10 1/2	
11	1,687.74	11	1,270.49	11	917.10	11	557.22	11	163.72	11		11		11		11		11	
11 1/4	1,679.67	11 1/4	1,262.42	11 1/4	909.03	11 1/4	549.15	11 1/4	155.71	11 1/4		11 1/4		11 1/4		11 1/4		11 1/4	
11 1/2	1,671.61	11 1/2	1,254.35	11 1/2	900.96	11 1/2	541.08	11 1/2	147.70	11 1/2		11 1/2		11 1/2		11 1/2		11 1/2	
12	1,663.54	12	1,246.28	12	892.89	12	533.01	12	139.69	12		12		12		12		12	
12 1/4	1,655.47	12 1/4	1,238.21	12 1/4	884.82	12 1/4	524.94	12 1/4	131.68	12 1/4		12 1/4		12 1/4		12 1/4		12 1/4	
12 1/2	1,647.40	12 1/2	1,230.14	12 1/2	876.75	12 1/2	516.87	12 1/2	123.67	12 1/2		12 1/2		12 1/2		12 1/2		12 1/2	
13	1,639.34	13	1,222.07	13	868.68	13	508.80	13	115.66	13		13		13		13		13	
13 1/4	1,631.27	13 1/4	1,214.00	13 1/4	860.61	13 1/4	500.73	13 1/4	107.65	13 1/4		13 1/4		13 1/4		13 1/4		13 1/4	
13 1/2	1,623.20	13 1/2	1,205.93	13 1/2	852.54	13 1/2	492.66	13 1/2	99.64	13 1/2		13 1/2		13 1/2		13 1/2		13 1/2	
14	1,615.13	14	1,197.86	14	844.47	14	484.59	14	91.63	14		14		14		14		14	
14 1/4	1,607.07	14 1/4	1,189.79	14 1/4	836.40	14 1/4	476.52	14 1/4	83.62	14 1/4		14 1/4		14 1/4		14 1/4		14 1/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE ATC 3583"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 1/2"

IN		0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
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	5,452.64	0	5,087.28	0	4,702.31	0	4,316.64	0	3,930.63	0	3,544.62	0	3,158.61	0	2,772.60	0	2,386.59	0	2,000.58		
1/4	5,447.33	1/4	5,079.26	1/4	4,694.29	1/4	4,308.60	1/4	3,922.59	1/4	3,536.58	1/4	3,150.57	1/4	2,764.55	1/4	2,378.54	1/4	1,992.53		
1/2	5,442.03	1/2	5,071.24	1/2	4,686.27	1/2	4,300.66	1/2	3,914.65	1/2	3,528.63	1/2	3,142.62	1/2	2,756.61	1/2	2,370.60	1/2	1,984.59		
3/4	5,437.28	3/4	5,063.22	3/4	4,678.25	3/4	4,292.62	3/4	3,908.62	3/4	3,522.62	3/4	3,136.61	3/4	2,750.60	3/4	2,364.59	3/4	1,978.58		
1	5,431.43	1	5,055.20	1	4,670.23	1	4,284.47	1	3,898.46	1	3,512.45	1	3,126.44	1	2,744.43	1	2,358.42	1	1,972.57		
1/4	5,426.68	1/4	5,047.18	1/4	4,662.21	1/4	4,276.43	1/4	3,890.42	1/4	3,504.41	1/4	3,118.40	1/4	2,738.42	1/4	2,352.40	1/4	1,966.55		
1/2	5,421.93	1/2	5,039.16	1/2	4,654.19	1/2	4,268.39	1/2	3,882.38	1/2	3,496.37	1/2	3,110.36	1/2	2,730.41	1/2	2,346.38	1/2	1,960.53		
3/4	5,417.18	3/4	5,031.14	3/4	4,646.17	3/4	4,260.36	3/4	3,874.34	3/4	3,484.33	3/4	3,102.31	3/4	2,722.40	3/4	2,340.36	3/4	1,954.51		
2	5,412.43	2	5,023.12	2	4,638.15	2	4,252.31	2	3,866.29	2	3,476.28	2	3,094.27	2	2,714.39	2	2,334.34	2	1,948.49		
1/4	5,398.38	1/4	5,015.10	1/4	4,630.13	1/4	4,244.26	1/4	3,858.25	1/4	3,468.24	1/4	3,086.23	1/4	2,706.38	1/4	2,328.32	1/4	1,942.47		
1/2	5,394.28	1/2	5,007.08	1/2	4,622.11	1/2	4,236.22	1/2	3,850.21	1/2	3,460.20	1/2	3,078.19	1/2	2,700.36	1/2	2,322.30	1/2	1,936.45		
3/4	5,389.42	3/4	4,999.06	3/4	4,614.09	3/4	4,228.18	3/4	3,842.17	3/4	3,452.16	3/4	3,070.16	3/4	2,692.34	3/4	2,316.28	3/4	1,930.43		
1	5,375.67	1	4,991.04	1	4,606.07	1	4,220.14	1	3,834.13	1	3,444.12	1	3,062.10	1	2,684.31	1	2,310.26	1	1,924.41		
1/4	5,361.72	1/4	4,983.02	1/4	4,598.05	1/4	4,212.10	1/4	3,826.09	1/4	3,436.07	1/4	3,054.06	1/4	2,676.29	1/4	2,304.24	1/4	1,918.39		
1/2	5,356.87	1/2	4,975.00	1/2	4,590.03	1/2	4,204.05	1/2	3,818.04	1/2	3,428.03	1/2	3,046.02	1/2	2,668.26	1/2	2,298.22	1/2	1,912.37		
3/4	5,351.97	3/4	4,966.98	3/4	4,582.00	3/4	4,196.01	3/4	3,810.00	3/4	3,420.00	3/4	3,038.00	3/4	2,660.21	3/4	2,292.19	3/4	1,906.35		
1	5,347.07	1	4,958.96	1	4,573.96	1	4,187.97	1	3,801.96	1	3,411.96	1	3,029.94	1	2,652.18	1	2,286.17	1	1,900.33		
1/4	5,338.87	1/4	4,950.84	1/4	4,565.93	1/4	4,179.93	1/4	3,793.92	1/4	3,403.91	1/4	3,021.91	1/4	2,644.16	1/4	2,280.15	1/4	1,894.31		
1/2	5,334.86	1/2	4,942.82	1/2	4,557.90	1/2	4,171.89	1/2	3,785.88	1/2	3,395.86	1/2	3,013.86	1/2	2,636.14	1/2	2,274.13	1/2	1,888.29		
3/4	5,330.85	3/4	4,934.80	3/4	4,549.86	3/4	4,163.84	3/4	3,777.83	3/4	3,387.82	3/4	3,005.81	3/4	2,628.12	3/4	2,268.11	3/4	1,882.27		
1	5,311.83	1	4,926.88	1	4,541.81	1	4,155.80	1	3,769.79	1	3,379.78	1	2,997.77	1	2,619.76	1	2,262.09	1	1,876.25		
1/4	5,303.82	1/4	4,918.86	1/4	4,533.77	1/4	4,147.72	1/4	3,761.75	1/4	3,371.74	1/4	2,989.73	1/4	2,611.72	1/4	2,256.07	1/4	1,870.23		
1/2	5,298.86	1/2	4,910.84	1/2	4,525.73	1/2	4,139.72	1/2	3,753.71	1/2	3,363.71	1/2	2,981.71	1/2	2,603.70	1/2	2,250.05	1/2	1,864.21		
3/4	5,293.89	3/4	4,902.82	3/4	4,517.69	3/4	4,131.68	3/4	3,745.67	3/4	3,355.66	3/4	2,973.64	3/4	2,595.67	3/4	2,244.03	3/4	1,858.19		
1	5,279.74	1	4,894.79	1	4,509.66	1	4,123.64	1	3,737.62	1	3,347.61	1	2,965.61	1	2,587.61	1	2,238.01	1	1,852.17		
1/4	5,271.74	1/4	4,886.77	1/4	4,501.60	1/4	4,115.62	1/4	3,729.58	1/4	3,339.57	1/4	2,957.58	1/4	2,579.57	1/4	2,232.00	1/4	1,846.15		
1/2	5,263.72	1/2	4,878.75	1/2	4,493.56	1/2	4,107.56	1/2	3,721.54	1/2	3,331.53	1/2	2,949.54	1/2	2,571.53	1/2	2,226.00	1/2	1,840.13		
3/4	5,259.70	3/4	4,870.73	3/4	4,485.52	3/4	4,099.51	3/4	3,713.50	3/4	3,323.49	3/4	2,941.50	3/4	2,563.49	3/4	2,220.00	3/4	1,834.11		
1	5,245.68	1	4,862.71	1	4,477.48	1	4,091.47	1	3,705.46	1	3,315.46	1	2,933.43	1	2,555.42	1	2,214.00	1	1,828.09		
1/4	5,239.68	1/4	4,854.69	1/4	4,469.44	1/4	4,083.43	1/4	3,697.41	1/4	3,307.41	1/4	2,925.39	1/4	2,547.38	1/4	2,208.00	1/4	1,822.07		
1/2	5,231.64	1/2	4,846.67	1/2	4,461.40	1/2	4,075.38	1/2	3,689.37	1/2	3,299.36	1/2	2,917.35	1/2	2,539.36	1/2	2,202.00	1/2	1,816.05		
3/4	5,223.62	3/4	4,838.65	3/4	4,453.35	3/4	4,067.34	3/4	3,681.33	3/4	3,291.32	3/4	2,909.31	3/4	2,531.34	3/4	2,196.00	3/4	1,810.03		
1	5,209.60	1	4,830.63	1	4,445.31	1	4,059.30	1	3,673.29	1	3,283.28	1	2,901.27	1	2,523.30	1	2,190.00	1	1,804.01		
1/4	5,201.58	1/4	4,822.61	1/4	4,437.27	1/4	4,051.26	1/4	3,665.25	1/4	3,275.24	1/4	2,893.22	1/4	2,515.26	1/4	2,184.00	1/4	1,798.00		
1/2	5,193.56	1/2	4,814.59	1/2	4,429.23	1/2	4,043.22	1/2	3,657.21	1/2	3,267.19	1/2	2,885.18	1/2	2,499.17	1/2	2,178.00	1/2	1,792.00		
3/4	5,185.54	3/4	4,806.57	3/4	4,421.18	3/4	4,035.18	3/4	3,649.16	3/4	3,259.15	3/4	2,877.14	3/4	2,491.13	3/4	2,172.00	3/4	1,786.00		
1	5,171.52	1	4,798.55	1	4,413.14	1	4,027.13	1	3,641.12	1	3,251.11	1	2,869.10	1	2,483.09	1	2,166.00	1	1,780.00		
1/4	5,163.50	1/4	4,790.53	1/4	4,405.10	1/4	4,019.09	1/4	3,633.08	1/4	3,243.07	1/4	2,861.05	1/4	2,475.05	1/4	2,160.00	1/4	1,774.00		
1/2	5,155.48	1/2	4,782.51	1/2	4,397.06	1/2	4,011.05	1/2	3,625.04	1/2	3,235.03	1/2	2,853.02	1/2	2,467.00	1/2	2,154.00	1/2	1,768.00		
3/4	5,147.46	3/4	4,774.49	3/4	4,389.02	3/4	4,003.01	3/4	3,617.00	3/4	3,227.00	3/4	2,845.00	3/4	2,459.92	3/4	2,148.00	3/4	1,762.00		
1	5,133.44	1	4,766.47	1	4,380.98	1	3,994.96	1	3,608.95	1	3,219.94	1	2,836.93	1	2,451.90	1	2,142.00	1	1,756.00		
1/4	5,125.42	1/4	4,758.45	1/4	4,372.93	1/4	3,986.92	1/4	3,600.91	1/4	3,211.90	1/4	2,828.89	1/4	2,443.86	1/4	2,136.00	1/4	1,750.00		
1/2	5,117.40	1/2	4,750.43	1/2	4,364.89	1/2	3,978.88	1/2	3,592.87	1/2	3,203.86	1/2	2,820.85	1/2	2,435.84	1/2	2,130.00	1/2	1,744.00		
3/4	5,109.38	3/4	4,742.41	3/4	4,356.85	3/4	3,970.84	3/4	3,584.83	3/4	3,195.82	3/4	2,812.81	3/4	2,427.76	3/4	2,124.00	3/4	1,738.00		
1	5,101.34	1	4,734.39	1	4,348.81	1	3,962.80	1	3,576.79	1	3,187.77	1	2,804.76	1	2,419.71	1	2,118.00	1	1,732.00		
1/4	5,093.32	1/4	4,726.37	1/4	4,340.77	1/4	3,954.76	1/4	3,568.74	1/4	3,179.74	1/4	2,796.72	1/4	2,411.67	1/4	2,112.00	1/4	1,726.00		
1/2	5,085.30	1/2	4,718.35	1/2	4,332.72	1/2	3,946.71	1/2	3,560.70	1/2	3,171.69	1/2	2,788.68	1/2	2,403.63	1/2	2,106.00	1/2	1,720.00		
3/4	5,077.28	3/4	4,710.33	3/4	4,324.68	3/4	3,938.67	3/4	3,552.66	3/4	3,163.65	3/4	2,780.64	3/4	2,403.63	3/4	2,106.00	3/4	1,720.00		

GAUGE HEIGHT 15'-02 1/2"

CHARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MEMO CHAPTER 2.7

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2002

Pearland, Texas 77588

http://www.pma-inc.com



BARGE "ATC 3583"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10. FT.		11. FT.		12. FT.		13. FT.		14. FT.		15. FT.		16. FT.		17. FT.		18. FT.		19. FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	2,000.58	0	1,618.64	0	1,232.63	0	847.61	0	467.98	0	86.94	0	0	0	0	0	0	0	0
1	1,992.84	1/4	1,610.59	1/4	1,224.69	1/4	839.58	1/4	460.00	1/4	79.88	1/4	0	1/4	0	1/4	0	1/4	0
2	1,984.60	1/2	1,602.55	1/2	1,216.65	1/2	831.54	1/2	452.01	1/2	72.43	1/2	0	1/2	0	1/2	0	1/2	0
3	1,976.52	3/4	1,594.51	3/4	1,208.50	3/4	823.50	3/4	444.03	3/4	65.34	3/4	0	3/4	0	3/4	0	3/4	0
4	1,968.64	1	1,586.47	1	1,200.46	1	815.46	1	435.04	1	58.28	1	0	1	0	1	0	1	0
5	1,960.56	1 1/4	1,578.43	1 1/4	1,192.42	1 1/4	807.42	1 1/4	428.06	1 1/4	51.17	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
6	1,952.68	1 1/2	1,570.38	1 1/2	1,184.38	1 1/2	799.38	1 1/2	420.07	1 1/2	44.08	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
7	1,944.69	1 3/4	1,562.34	1 3/4	1,176.35	1 3/4	791.34	1 3/4	412.04	1 3/4	38.55	1 3/4	0	1 3/4	0	1 3/4	0	1 3/4	0
8	1,936.80	2	1,554.30	2	1,168.32	2	783.29	2	404.02	2	33.02	2	0	2	0	2	0	2	0
9	1,928.80	2 1/4	1,546.26	2 1/4	1,160.29	2 1/4	775.25	2 1/4	396.99	2 1/4	27.48	2 1/4	0	2 1/4	0	2 1/4	0	2 1/4	0
10	1,921.01	2 1/2	1,538.22	2 1/2	1,152.27	2 1/2	767.21	2 1/2	387.96	2 1/2	21.95	2 1/2	0	2 1/2	0	2 1/2	0	2 1/2	0
11	1,913.14	2 3/4	1,530.18	2 3/4	1,144.24	2 3/4	759.17	2 3/4	379.92	2 3/4	0	2 3/4	0	2 3/4	0	2 3/4	0	2 3/4	0
12	1,905.26	3	1,522.13	3	1,136.22	3	751.13	3	371.88	3	0	3	0	3	0	3	0	3	0
13	1,897.38	3 1/4	1,514.09	3 1/4	1,128.20	3 1/4	743.09	3 1/4	363.83	3 1/4	0	3 1/4	0	3 1/4	0	3 1/4	0	3 1/4	0
14	1,889.52	3 1/2	1,506.05	3 1/2	1,120.17	3 1/2	735.04	3 1/2	355.79	3 1/2	0	3 1/2	0	3 1/2	0	3 1/2	0	3 1/2	0
15	1,881.65	3 3/4	1,498.01	3 3/4	1,112.16	3 3/4	727.00	3 3/4	347.75	3 3/4	0	3 3/4	0	3 3/4	0	3 3/4	0	3 3/4	0
16	1,873.77	4	1,489.97	4	1,104.14	4	718.96	4	339.71	4	0	4	0	4	0	4	0	4	0
17	1,865.90	4 1/4	1,481.92	4 1/4	1,096.12	4 1/4	710.92	4 1/4	331.66	4 1/4	0	4 1/4	0	4 1/4	0	4 1/4	0	4 1/4	0
18	1,858.03	4 1/2	1,473.88	4 1/2	1,088.11	4 1/2	702.88	4 1/2	323.62	4 1/2	0	4 1/2	0	4 1/2	0	4 1/2	0	4 1/2	0
19	1,850.16	4 3/4	1,465.84	4 3/4	1,080.09	4 3/4	694.84	4 3/4	315.58	4 3/4	0	4 3/4	0	4 3/4	0	4 3/4	0	4 3/4	0
20	1,842.28	5	1,457.80	5	1,072.07	5	686.79	5	307.54	5	0	5	0	5	0	5	0	5	0
21	1,834.41	5 1/4	1,449.76	5 1/4	1,064.06	5 1/4	678.75	5 1/4	299.49	5 1/4	0	5 1/4	0	5 1/4	0	5 1/4	0	5 1/4	0
22	1,826.54	5 1/2	1,441.72	5 1/2	1,056.04	5 1/2	670.71	5 1/2	291.45	5 1/2	0	5 1/2	0	5 1/2	0	5 1/2	0	5 1/2	0
23	1,818.66	5 3/4	1,433.67	5 3/4	1,048.03	5 3/4	662.67	5 3/4	283.41	5 3/4	0	5 3/4	0	5 3/4	0	5 3/4	0	5 3/4	0
24	1,810.79	6	1,425.63	6	1,040.01	6	654.63	6	275.37	6	0	6	0	6	0	6	0	6	0
25	1,802.92	6 1/4	1,417.59	6 1/4	1,032.00	6 1/4	646.59	6 1/4	267.32	6 1/4	0	6 1/4	0	6 1/4	0	6 1/4	0	6 1/4	0
26	1,795.05	6 1/2	1,409.55	6 1/2	1,023.98	6 1/2	638.55	6 1/2	259.28	6 1/2	0	6 1/2	0	6 1/2	0	6 1/2	0	6 1/2	0
27	1,787.11	6 3/4	1,401.51	6 3/4	1,015.97	6 3/4	630.50	6 3/4	251.24	6 3/4	0	6 3/4	0	6 3/4	0	6 3/4	0	6 3/4	0
28	1,779.17	7	1,393.46	7	1,007.95	7	622.46	7	243.20	7	0	7	0	7	0	7	0	7	0
29	1,771.24	7 1/4	1,385.42	7 1/4	999.94	7 1/4	614.42	7 1/4	235.15	7 1/4	0	7 1/4	0	7 1/4	0	7 1/4	0	7 1/4	0
30	1,763.30	7 1/2	1,377.38	7 1/2	991.92	7 1/2	606.38	7 1/2	227.11	7 1/2	0	7 1/2	0	7 1/2	0	7 1/2	0	7 1/2	0
31	1,755.28	7 3/4	1,369.34	7 3/4	983.91	7 3/4	598.34	7 3/4	219.11	7 3/4	0	7 3/4	0	7 3/4	0	7 3/4	0	7 3/4	0
32	1,747.26	8	1,361.30	8	975.89	8	590.30	8	211.11	8	0	8	0	8	0	8	0	8	0
33	1,739.24	8 1/4	1,353.26	8 1/4	967.88	8 1/4	582.25	8 1/4	203.11	8 1/4	0	8 1/4	0	8 1/4	0	8 1/4	0	8 1/4	0
34	1,731.22	8 1/2	1,345.21	8 1/2	959.86	8 1/2	574.21	8 1/2	195.11	8 1/2	0	8 1/2	0	8 1/2	0	8 1/2	0	8 1/2	0
35	1,723.18	8 3/4	1,337.17	8 3/4	951.85	8 3/4	566.14	8 3/4	187.13	8 3/4	0	8 3/4	0	8 3/4	0	8 3/4	0	8 3/4	0
36	1,715.14	9	1,329.13	9	943.83	9	558.27	9	179.18	9	0	9	0	9	0	9	0	9	0
37	1,707.09	9 1/4	1,321.09	9 1/4	935.82	9 1/4	551.79	9 1/4	171.16	9 1/4	0	9 1/4	0	9 1/4	0	9 1/4	0	9 1/4	0
38	1,699.05	9 1/2	1,313.05	9 1/2	927.80	9 1/2	544.32	9 1/2	163.18	9 1/2	0	9 1/2	0	9 1/2	0	9 1/2	0	9 1/2	0
39	1,691.01	9 3/4	1,305.00	9 3/4	919.79	9 3/4	537.04	9 3/4	155.19	9 3/4	0	9 3/4	0	9 3/4	0	9 3/4	0	9 3/4	0
40	1,682.97	10	1,296.96	10	911.77	10	529.75	10	147.21	10	0	10	0	10	0	10	0	10	0
41	1,674.93	10 1/4	1,288.92	10 1/4	903.76	10 1/4	522.47	10 1/4	139.23	10 1/4	0	10 1/4	0	10 1/4	0	10 1/4	0	10 1/4	0
42	1,666.89	10 1/2	1,280.88	10 1/2	895.74	10 1/2	515.18	10 1/2	131.24	10 1/2	0	10 1/2	0	10 1/2	0	10 1/2	0	10 1/2	0
43	1,658.84	10 3/4	1,272.84	10 3/4	887.73	10 3/4	507.38	10 3/4	123.79	10 3/4	0	10 3/4	0	10 3/4	0	10 3/4	0	10 3/4	0
44	1,650.80	11	1,264.80	11	879.71	11	499.57	11	115.34	11	0	11	0	11	0	11	0	11	0
45	1,642.76	11 1/4	1,256.76	11 1/4	871.70	11 1/4	491.76	11 1/4	108.89	11 1/4	0	11 1/4	0	11 1/4	0	11 1/4	0	11 1/4	0
46	1,634.72	11 1/2	1,248.71	11 1/2	863.68	11 1/2	483.95	11 1/2	101.44	11 1/2	0	11 1/2	0	11 1/2	0	11 1/2	0	11 1/2	0
47	1,626.68	11 3/4	1,240.67	11 3/4	855.65	11 3/4	475.96	11 3/4	94.19	11 3/4	0	11 3/4	0	11 3/4	0	11 3/4	0	11 3/4	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2018 CL
CALCULATED: 10/25/2018 CL
PRINTED: 10/25/2018 CL

CANCELLED AND SUPERCEDES
ALL PRIOR TO 10/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "ATC 3583"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
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	4,484.30	0	4,342.23	0	4,180.14	0	4,017.11	0	3,853.68	0	3,504.47	0	3,121.35	0	2,738.09	0	2,364.68	
1/4	1/4	4,484.29	1/4	4,339.85	1/4	4,176.76	1/4	4,013.71	1/4	3,850.27	1/4	3,496.49	1/4	3,118.36	1/4	2,735.10	1/4	2,361.64	
1/2	1/2	4,484.27	1/2	4,335.48	1/2	4,173.38	1/2	4,010.30	1/2	3,846.87	1/2	3,488.50	1/2	3,115.33	1/2	2,732.10	1/2	2,358.71	
3/4	3/4	4,483.11	3/4	4,332.10	3/4	4,170.00	3/4	4,006.90	3/4	3,843.46	3/4	3,485.02	3/4	3,112.35	3/4	2,728.61	3/4	2,355.77	
1	1	4,481.95	1	4,328.72	1	4,166.83	1	4,003.49	1	3,840.06	1	3,481.65	1	3,109.32	1	2,724.61	1	2,352.83	
1 1/4	1 1/4	4,480.80	1 1/4	4,325.35	1 1/4	4,163.25	1 1/4	4,000.08	1 1/4	3,836.65	1 1/4	3,477.24	1 1/4	3,106.39	1 1/4	2,720.61	1 1/4	2,349.89	
1 1/2	1 1/2	4,479.64	1 1/2	4,321.97	1 1/2	4,159.87	1 1/2	3,996.68	1 1/2	3,833.25	1 1/2	3,473.83	1 1/2	3,103.46	1 1/2	2,716.61	1 1/2	2,346.95	
3/4	3/4	4,477.17	3/4	4,318.59	3/4	4,156.50	3/4	3,993.27	3/4	3,829.87	3/4	3,470.40	3/4	3,100.52	3/4	2,712.61	3/4	2,343.01	
2	2	4,474.71	2	4,315.22	2	4,153.12	2	3,989.87	2	3,819.69	2	3,466.94	2	3,096.59	2	2,708.61	2	2,339.07	
1 1/4	1 1/4	4,472.25	1 1/4	4,311.84	1 1/4	4,149.74	1 1/4	3,986.46	1 1/4	3,816.32	1 1/4	3,463.51	1 1/4	3,093.18	1 1/4	2,704.61	1 1/4	2,336.13	
1 1/2	1 1/2	4,469.78	1 1/2	4,308.46	1 1/2	4,146.37	1 1/2	3,983.06	1 1/2	3,812.92	1 1/2	3,460.06	1 1/2	3,089.72	1 1/2	2,700.61	1 1/2	2,332.19	
3/4	3/4	4,466.58	3/4	4,305.08	3/4	4,142.98	3/4	3,979.65	3/4	3,808.14	3/4	3,456.65	3/4	3,086.27	3/4	2,696.61	3/4	2,328.25	
3	3	4,463.37	3	4,301.71	3	4,139.61	3	3,976.24	3	3,797.33	3	3,453.24	3	3,082.86	3	2,692.61	3	2,324.31	
1 1/4	1 1/4	4,460.17	1 1/4	4,298.33	1 1/4	4,136.23	1 1/4	3,972.84	1 1/4	3,793.93	1 1/4	3,450.83	1 1/4	3,079.41	1 1/4	2,688.61	1 1/4	2,320.37	
1 1/2	1 1/2	4,456.96	1 1/2	4,294.95	1 1/2	4,132.88	1 1/2	3,969.43	1 1/2	3,790.42	1 1/2	3,447.42	1 1/2	3,075.96	1 1/2	2,684.61	1 1/2	2,316.43	
3/4	3/4	4,453.80	3/4	4,291.58	3/4	4,129.46	3/4	3,965.02	3/4	3,786.91	3/4	3,444.01	3/4	3,072.54	3/4	2,680.61	3/4	2,312.49	
4	4	4,450.24	4	4,288.20	4	4,126.07	4	3,961.62	4	3,783.51	4	3,440.60	4	3,069.12	4	2,676.61	4	2,308.55	
1 1/4	1 1/4	4,446.89	1 1/4	4,284.82	1 1/4	4,122.68	1 1/4	3,958.21	1 1/4	3,780.10	1 1/4	3,437.19	1 1/4	3,065.69	1 1/4	2,672.61	1 1/4	2,304.61	
1 1/2	1 1/2	4,443.53	1 1/2	4,281.45	1 1/2	4,119.28	1 1/2	3,954.81	1 1/2	3,776.69	1 1/2	3,433.78	1 1/2	3,062.27	1 1/2	2,668.61	1 1/2	2,300.67	
3/4	3/4	4,440.15	3/4	4,278.07	3/4	4,115.88	3/4	3,951.40	3/4	3,773.28	3/4	3,430.37	3/4	3,058.81	3/4	2,664.61	3/4	2,296.73	
5	5	4,436.78	5	4,274.69	5	4,112.48	5	3,948.00	5	3,769.87	5	3,426.96	5	3,055.39	5	2,660.61	5	2,292.79	
1 1/4	1 1/4	4,433.41	1 1/4	4,271.31	1 1/4	4,109.07	1 1/4	3,944.59	1 1/4	3,766.46	1 1/4	3,423.55	1 1/4	3,051.96	1 1/4	2,656.61	1 1/4	2,288.85	
1 1/2	1 1/2	4,430.03	1 1/2	4,267.94	1 1/2	4,105.67	1 1/2	3,941.19	1 1/2	3,763.04	1 1/2	3,420.14	1 1/2	3,048.53	1 1/2	2,652.61	1 1/2	2,284.91	
3/4	3/4	4,426.65	3/4	4,264.56	3/4	4,102.26	3/4	3,937.78	3/4	3,759.61	3/4	3,416.72	3/4	3,045.09	3/4	2,648.61	3/4	2,280.97	
6	6	4,423.28	6	4,261.18	6	4,098.86	6	3,934.38	6	3,756.21	6	3,413.31	6	3,041.66	6	2,644.61	6	2,277.03	
1 1/4	1 1/4	4,419.90	1 1/4	4,257.81	1 1/4	4,095.45	1 1/4	3,930.97	1 1/4	3,752.80	1 1/4	3,410.90	1 1/4	3,038.23	1 1/4	2,640.61	1 1/4	2,273.09	
1 1/2	1 1/2	4,416.53	1 1/2	4,254.43	1 1/2	4,092.05	1 1/2	3,927.57	1 1/2	3,749.39	1 1/2	3,407.49	1 1/2	3,034.80	1 1/2	2,636.61	1 1/2	2,269.15	
3/4	3/4	4,413.15	3/4	4,251.05	3/4	4,088.64	3/4	3,924.19	3/4	3,745.91	3/4	3,404.08	3/4	3,031.37	3/4	2,632.61	3/4	2,265.21	
7	7	4,409.77	7	4,247.68	7	4,085.23	7	3,920.78	7	3,742.50	7	3,400.67	7	3,027.94	7	2,628.61	7	2,261.27	
1 1/4	1 1/4	4,406.39	1 1/4	4,244.30	1 1/4	4,081.83	1 1/4	3,917.36	1 1/4	3,739.09	1 1/4	3,397.26	1 1/4	3,024.51	1 1/4	2,624.61	1 1/4	2,257.33	
1 1/2	1 1/2	4,403.02	1 1/2	4,240.92	1 1/2	4,078.42	1 1/2	3,913.95	1 1/2	3,735.68	1 1/2	3,393.84	1 1/2	3,021.08	1 1/2	2,620.61	1 1/2	2,253.39	
3/4	3/4	4,399.64	3/4	4,237.54	3/4	4,075.02	3/4	3,910.55	3/4	3,732.27	3/4	3,390.41	3/4	3,017.65	3/4	2,616.61	3/4	2,249.45	
8	8	4,396.26	8	4,234.17	8	4,071.61	8	3,907.14	8	3,728.87	8	3,386.98	8	3,014.23	8	2,612.61	8	2,245.51	
1 1/4	1 1/4	4,392.89	1 1/4	4,230.79	1 1/4	4,068.20	1 1/4	3,903.74	1 1/4	3,725.46	1 1/4	3,383.56	1 1/4	3,010.80	1 1/4	2,608.61	1 1/4	2,241.57	
1 1/2	1 1/2	4,389.51	1 1/2	4,227.41	1 1/2	4,064.80	1 1/2	3,900.34	1 1/2	3,722.09	1 1/2	3,380.14	1 1/2	3,007.37	1 1/2	2,604.61	1 1/2	2,237.63	
3/4	3/4	4,386.13	3/4	4,224.04	3/4	4,061.35	3/4	3,896.93	3/4	3,718.71	3/4	3,376.72	3/4	3,003.94	3/4	2,600.61	3/4	2,233.69	
9	9	4,382.76	9	4,220.66	9	4,057.98	9	3,893.53	9	3,715.30	9	3,373.31	9	3,000.52	9	2,596.61	9	2,229.75	
1 1/4	1 1/4	4,379.38	1 1/4	4,217.28	1 1/4	4,054.58	1 1/4	3,890.12	1 1/4	3,711.89	1 1/4	3,369.90	1 1/4	2,997.09	1 1/4	2,592.61	1 1/4	2,225.81	
1 1/2	1 1/2	4,376.00	1 1/2	4,213.91	1 1/2	4,051.17	1 1/2	3,886.72	1 1/2	3,708.48	1 1/2	3,366.48	1 1/2	2,993.67	1 1/2	2,588.61	1 1/2	2,221.87	
3/4	3/4	4,372.62	3/4	4,210.53	3/4	4,047.77	3/4	3,883.32	3/4	3,705.07	3/4	3,363.07	3/4	2,989.24	3/4	2,584.61	3/4	2,217.93	
10	10	4,369.25	10	4,207.15	10	4,044.36	10	3,880.91	10	3,701.65	10	3,359.65	10	2,985.81	10	2,580.61	10	2,214.00	
1 1/4	1 1/4	4,365.87	1 1/4	4,203.77	1 1/4	4,040.96	1 1/4	3,877.51	1 1/4	3,698.24	1 1/4	3,356.24	1 1/4	2,981.38	1 1/4	2,576.61	1 1/4	2,210.06	
1 1/2	1 1/2	4,362.49	1 1/2	4,200.40	1 1/2	4,037.55	1 1/2	3,874.10	1 1/2	3,694.83	1 1/2	3,352.83	1 1/2	2,977.95	1 1/2	2,572.61	1 1/2	2,206.12	
3/4	3/4	4,359.12	3/4	4,197.02	3/4	4,034.14	3/4	3,870.70	3/4	3,691.46	3/4	3,349.42	3/4	2,973.52	3/4	2,568.61	3/4	2,202.18	
11	11	4,355.74	11	4,193.64	11	4,030.74	11	3,867.29	11	3,688.09	11	3,346.01	11	2,969.09	11	2,564.61	11	2,200.24	
1 1/4	1 1/4	4,352.36	1 1/4	4,190.27	1 1/4	4,027.33	1 1/4	3,863.89	1 1/4	3,684.69	1 1/4	3,342.60	1 1/4	2,964.67	1 1/4	2,560.61	1 1/4	2,196.30	
1 1/2	1 1/2	4,348.99	1 1/2	4,186.89	1 1/2	4,023.93	1 1/2	3,860.49	1 1/2	3,681.29	1 1/2	3,339.19	1 1/2	2,960.24	1 1/2	2,556.61	1 1/2	2,192.36	
3/4	3/4	4,345.61	3/4	4,183.51	3/4	4,020.52	3/4	3,857.08	3/4	3,677.89	3/4	3,335.78	3/4	2,955.81	3/4	2,552.61	3/4	2,188.42	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MEMS 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 ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 88'-09" FORWARD OF AFT BULKHEAD
GAUGE POINT: (8" HATCH) LOCATED 12'-09" OFF CENTERLINE AND 88'-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.pmaacorp.net



BARGE "ATC 3583"

3 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,974.25	1/4	1,594.79	1/4	1,211.04	1/4	840.73	1/4	465.57	1/4	86.50	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,968.28	1/2	1,586.79	1/2	1,203.05	1/2	833.05	1/2	457.05	1/2	79.38	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,958.30	3/4	1,578.80	3/4	1,195.05	3/4	823.36	3/4	448.73	3/4	72.16	3/4	0	3/4	0	3/4	0	3/4	0
1	1,942.45	1	1,562.91	1	1,179.06	1	809.98	1	441.81	1	65.09	1	0	1	0	1	0	1	0
1 1/4	1,926.52	1 1/4	1,548.85	1 1/4	1,166.72	1 1/4	802.29	1 1/4	435.89	1 1/4	58.03	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,926.59	1 1/2	1,548.82	1 1/2	1,163.07	1 1/2	794.60	1 1/2	428.98	1 1/2	50.97	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,918.74	3/4	1,538.82	3/4	1,155.32	3/4	786.68	3/4	418.06	3/4	43.91	3/4	0	3/4	0	3/4	0	3/4	0
2	1,910.80	2	1,530.83	2	1,147.57	2	778.75	2	402.13	2	32.90	2	0	2	0	2	0	2	0
1/4	1,903.05	1/4	1,522.83	1/4	1,139.81	1/4	770.83	1/4	394.17	1/4	27.39	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,895.21	1/2	1,514.84	1/2	1,132.06	1/2	762.91	1/2	386.21	1/2	21.88	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,887.38	3/4	1,506.84	3/4	1,124.39	3/4	754.91	3/4	378.22	3/4	15.87	3/4	0	3/4	0	3/4	0	3/4	0
1	1,879.56	1	1,498.85	1	1,116.72	1	746.91	1	370.24	1	9.86	1	0	1	0	1	0	1	0
1 1/4	1,871.74	1 1/4	1,488.85	1 1/4	1,109.04	1 1/4	738.91	1 1/4	362.25	1 1/4	3.85	1 1/4	0	1 1/4	0	1 1/4	0	1 1/4	0
1 1/2	1,863.91	1 1/2	1,482.86	1 1/2	1,101.37	1 1/2	730.91	1 1/2	354.27	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0	1 1/2	0
3/4	1,856.09	3/4	1,474.87	3/4	1,093.70	3/4	722.91	3/4	346.27	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
4	1,848.27	4	1,466.87	4	1,086.04	4	714.92	4	338.27	4	0	4	0	4	0	4	0	4	0
1/4	1,840.44	1/4	1,458.88	1/4	1,078.37	1/4	706.92	1/4	330.28	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,832.62	1/2	1,450.88	1/2	1,070.71	1/2	698.92	1/2	322.28	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,824.79	3/4	1,442.89	3/4	1,063.04	3/4	690.92	3/4	314.28	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
5	1,816.97	5	1,434.89	5	1,055.38	5	682.92	5	306.28	5	0	5	0	5	0	5	0	5	0
1/4	1,809.15	1/4	1,426.90	1/4	1,047.71	1/4	674.92	1/4	298.28	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,801.32	1/2	1,418.90	1/2	1,040.05	1/2	666.92	1/2	290.28	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,793.50	3/4	1,410.91	3/4	1,032.38	3/4	658.92	3/4	282.27	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
6	1,785.68	6	1,402.91	6	1,024.72	6	650.92	6	274.27	6	0	6	0	6	0	6	0	6	0
1/4	1,777.86	1/4	1,394.92	1/4	1,017.05	1/4	642.92	1/4	266.27	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,770.03	1/2	1,386.92	1/2	1,009.39	1/2	634.92	1/2	258.26	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,762.14	3/4	1,378.93	3/4	1,001.73	3/4	626.93	3/4	250.26	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
7	1,754.25	7	1,370.93	7	994.06	7	618.93	7	242.24	7	0	7	0	7	0	7	0	7	0
1/4	1,746.37	1/4	1,362.94	1/4	986.40	1/4	610.93	1/4	234.23	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,738.48	1/2	1,354.95	1/2	978.73	1/2	602.93	1/2	226.22	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,730.52	3/4	1,346.95	3/4	971.07	3/4	594.93	3/4	218.22	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
8	1,722.66	8	1,338.96	8	963.40	8	586.94	8	210.28	8	0	8	0	8	0	8	0	8	0
1/4	1,714.60	1/4	1,330.96	1/4	955.74	1/4	578.94	1/4	202.31	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,706.63	1/2	1,322.97	1/2	948.07	1/2	570.94	1/2	194.35	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,698.65	3/4	1,314.97	3/4	940.41	3/4	563.52	3/4	186.39	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
9	1,690.67	9	1,306.98	9	932.74	9	555.10	9	178.44	9	0	9	0	9	0	9	0	9	0
1/4	1,682.69	1/4	1,298.98	1/4	925.08	1/4	548.58	1/4	170.48	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,674.72	1/2	1,290.99	1/2	917.42	1/2	541.26	1/2	162.53	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,666.72	3/4	1,282.99	3/4	909.76	3/4	534.04	3/4	154.58	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
10	1,658.73	10	1,275.00	10	902.09	10	526.82	10	146.63	10	0	10	0	10	0	10	0	10	0
1/4	1,650.74	1/4	1,267.00	1/4	894.42	1/4	519.60	1/4	138.67	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,642.75	1/2	1,259.01	1/2	886.76	1/2	512.38	1/2	130.72	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,634.76	3/4	1,251.01	3/4	879.09	3/4	504.84	3/4	123.30	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
11	1,626.77	11	1,243.02	11	871.43	11	496.89	11	115.88	11	0	11	0	11	0	11	0	11	0
1/4	1,618.77	1/4	1,235.02	1/4	863.76	1/4	489.15	1/4	108.46	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
1/2	1,610.78	1/2	1,227.03	1/2	856.10	1/2	481.41	1/2	101.04	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
3/4	1,602.78	3/4	1,219.04	3/4	848.42	3/4	473.49	3/4	93.82	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2018 CL
CALCULATED: 10/25/2018 CL
PRINTED: 10/25/2018 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2018

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2082
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE - ATC 3583"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
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	4,510.54	0	4,367.99	0	4,205.38	0	4,041.84	0	3,877.30	0	3,712.76	0	3,548.22	0	3,383.68	0	3,219.14
1/4	1/4	1/4	4,510.52	1/4	4,364.60	1/4	4,201.99	1/4	4,038.43	1/4	3,874.48	1/4	3,710.53	1/4	3,546.58	1/4	3,382.63	1/4	3,218.68
1/2	1/2	1/2	4,510.50	1/2	4,361.21	1/2	4,198.60	1/2	4,035.04	1/2	3,871.07	1/2	3,707.12	1/2	3,543.17	1/2	3,379.22	1/2	3,215.27
3/4	3/4	3/4	4,509.33	3/4	4,357.83	3/4	4,195.22	3/4	4,031.66	3/4	3,867.65	3/4	3,703.70	3/4	3,539.75	3/4	3,375.80	3/4	3,211.85
1	1	1	4,508.16	1	4,356.44	1	4,194.05	1	4,029.49	1	3,865.24	1	3,701.29	1	3,537.34	1	3,373.39	1	3,209.44
1/4	1/4	1/4	4,507.00	1/4	4,351.05	1/4	4,188.44	1/4	4,024.88	1/4	3,860.82	1/4	3,696.87	1/4	3,532.92	1/4	3,368.97	1/4	3,205.02
1/2	1/2	1/2	4,505.83	1/2	4,347.66	1/2	4,185.05	1/2	4,021.35	1/2	3,857.41	1/2	3,693.46	1/2	3,529.51	1/2	3,365.56	1/2	3,201.61
3/4	3/4	3/4	4,503.36	3/4	4,344.28	3/4	4,181.67	3/4	4,017.93	3/4	3,854.02	3/4	3,690.07	3/4	3,526.12	3/4	3,362.17	3/4	2,198.22
2	2	2	4,500.89	2	4,340.89	2	4,178.28	2	4,014.61	2	3,849.83	2	3,685.88	2	3,521.93	2	3,357.98	2	2,194.03
1/4	1/4	1/4	4,498.41	1/4	4,337.50	1/4	4,174.89	1/4	4,011.10	1/4	3,837.04	1/4	3,673.09	1/4	3,509.14	1/4	3,345.19	1/4	2,190.04
1/2	1/2	1/2	4,495.94	1/2	4,334.11	1/2	4,171.50	1/2	4,007.68	1/2	3,833.26	1/2	3,669.31	1/2	3,505.36	1/2	3,341.41	1/2	2,186.05
3/4	3/4	3/4	4,492.72	3/4	4,330.72	3/4	4,168.12	3/4	4,004.26	3/4	3,829.41	3/4	3,665.46	3/4	3,501.51	3/4	3,337.56	3/4	2,182.06
3	3	3	4,489.51	3	4,327.34	3	4,164.73	3	4,000.86	3	3,814.42	3	3,650.47	3	3,486.52	3	3,322.57	3	2,178.07
1/4	1/4	1/4	4,486.29	1/4	4,323.95	1/4	4,161.34	1/4	3,997.43	1/4	3,806.51	1/4	3,642.56	1/4	3,478.61	1/4	3,314.66	1/4	2,174.08
1/2	1/2	1/2	4,483.08	1/2	4,320.56	1/2	4,157.95	1/2	3,994.01	1/2	3,798.59	1/2	3,634.64	1/2	3,470.69	1/2	3,306.74	1/2	2,170.09
3/4	3/4	3/4	4,479.71	3/4	4,317.17	3/4	4,154.56	3/4	3,990.60	3/4	3,794.68	3/4	3,630.73	3/4	3,466.78	3/4	3,302.83	3/4	2,166.10
4	4	4	4,476.34	4	4,313.79	4	4,151.14	4	3,987.18	4	3,791.66	4	3,627.71	4	3,463.76	4	3,299.81	4	2,162.11
1/4	1/4	1/4	4,472.97	1/4	4,310.40	1/4	4,147.74	1/4	3,983.78	1/4	3,778.85	1/4	3,614.90	1/4	3,450.95	1/4	3,287.00	1/4	2,158.12
1/2	1/2	1/2	4,469.60	1/2	4,307.01	1/2	4,144.34	1/2	3,980.36	1/2	3,775.94	1/2	3,612.00	1/2	3,448.05	1/2	3,284.10	1/2	2,154.13
3/4	3/4	3/4	4,466.21	3/4	4,303.62	3/4	4,140.92	3/4	3,976.93	3/4	3,769.02	3/4	3,605.07	3/4	3,441.12	3/4	3,279.17	3/4	2,150.14
5	5	5	4,462.83	5	4,300.24	5	4,137.51	5	3,973.52	5	3,765.11	5	3,601.16	5	3,437.21	5	3,273.26	5	2,146.15
1/4	1/4	1/4	4,459.45	1/4	4,296.85	1/4	4,134.09	1/4	3,970.10	1/4	3,762.19	1/4	3,598.24	1/4	3,434.29	1/4	3,270.34	1/4	2,142.16
1/2	1/2	1/2	4,456.06	1/2	4,293.46	1/2	4,130.68	1/2	3,966.69	1/2	3,758.28	1/2	3,596.33	1/2	3,432.38	1/2	3,268.43	1/2	2,138.17
3/4	3/4	3/4	4,452.68	3/4	4,290.07	3/4	4,127.26	3/4	3,963.27	3/4	3,754.36	3/4	3,592.41	3/4	3,428.46	3/4	3,264.51	3/4	2,134.18
6	6	6	4,449.29	6	4,286.68	6	4,123.84	6	3,959.86	6	3,750.95	6	3,587.00	6	3,423.05	6	3,260.10	6	2,130.19
1/4	1/4	1/4	4,445.91	1/4	4,283.30	1/4	4,120.43	1/4	3,956.44	1/4	3,747.53	1/4	3,584.58	1/4	3,420.63	1/4	3,256.68	1/4	2,126.20
1/2	1/2	1/2	4,442.52	1/2	4,279.91	1/2	4,117.01	1/2	3,953.03	1/2	3,744.12	1/2	3,581.17	1/2	3,417.22	1/2	3,252.73	1/2	2,122.21
3/4	3/4	3/4	4,439.13	3/4	4,276.52	3/4	4,113.59	3/4	3,949.61	3/4	3,740.71	3/4	3,577.76	3/4	3,413.81	3/4	3,248.78	3/4	2,118.22
7	7	7	4,435.74	7	4,273.13	7	4,110.18	7	3,946.20	7	3,737.35	7	3,574.40	7	3,410.45	7	3,245.50	7	2,114.23
1/4	1/4	1/4	4,432.36	1/4	4,269.75	1/4	4,106.76	1/4	3,942.78	1/4	3,733.94	1/4	3,571.00	1/4	3,407.05	1/4	3,242.10	1/4	2,110.24
1/2	1/2	1/2	4,428.97	1/2	4,266.36	1/2	4,103.34	1/2	3,939.37	1/2	3,730.53	1/2	3,567.59	1/2	3,403.64	1/2	3,238.71	1/2	2,106.25
3/4	3/4	3/4	4,425.58	3/4	4,262.97	3/4	4,099.93	3/4	3,935.95	3/4	3,727.12	3/4	3,564.17	3/4	3,400.22	3/4	3,235.32	3/4	2,102.26
8	8	8	4,422.19	8	4,259.58	8	4,096.51	8	3,932.54	8	3,723.71	8	3,560.76	8	3,396.81	8	3,231.87	8	2,100.27
1/4	1/4	1/4	4,418.81	1/4	4,256.20	1/4	4,093.09	1/4	3,929.12	1/4	3,720.30	1/4	3,557.34	1/4	3,393.39	1/4	3,228.42	1/4	2,096.28
1/2	1/2	1/2	4,415.42	1/2	4,252.81	1/2	4,089.68	1/2	3,925.71	1/2	3,716.89	1/2	3,553.93	1/2	3,389.98	1/2	3,225.03	1/2	2,092.29
3/4	3/4	3/4	4,412.03	3/4	4,249.42	3/4	4,086.26	3/4	3,922.29	3/4	3,713.48	3/4	3,550.54	3/4	3,386.59	3/4	3,221.64	3/4	2,088.30
9	9	9	4,408.64	9	4,246.03	9	4,082.84	9	3,918.88	9	3,709.07	9	3,547.13	9	3,383.18	9	3,218.20	9	2,084.31
1/4	1/4	1/4	4,405.26	1/4	4,242.64	1/4	4,079.43	1/4	3,915.46	1/4	3,705.66	1/4	3,543.72	1/4	3,379.73	1/4	3,214.75	1/4	2,080.32
1/2	1/2	1/2	4,401.87	1/2	4,239.25	1/2	4,076.01	1/2	3,912.05	1/2	3,702.25	1/2	3,540.31	1/2	3,376.34	1/2	3,211.36	1/2	2,076.33
3/4	3/4	3/4	4,398.48	3/4	4,235.87	3/4	4,072.59	3/4	3,908.63	3/4	3,698.83	3/4	3,536.90	3/4	3,372.95	3/4	3,207.91	3/4	2,072.34
10	10	10	4,395.09	10	4,232.48	10	4,069.18	10	3,905.22	10	3,695.42	10	3,533.49	10	3,369.54	10	3,204.52	10	2,068.35
1/4	1/4	1/4	4,391.70	1/4	4,229.09	1/4	4,065.78	1/4	3,901.80	1/4	3,692.00	1/4	3,530.07	1/4	3,366.12	1/4	3,201.07	1/4	2,064.36
1/2	1/2	1/2	4,388.32	1/2	4,225.71	1/2	4,062.34	1/2	3,898.39	1/2	3,688.59	1/2	3,526.66	1/2	3,362.71	1/2	3,197.62	1/2	2,060.37
3/4	3/4	3/4	4,384.93	3/4	4,222.32	3/4	4,058.93	3/4	3,894.97	3/4	3,685.17	3/4	3,523.24	3/4	3,359.29	3/4	3,194.17	3/4	2,056.38
11	11	11	4,381.54	11	4,218.93	11	4,055.51	11	3,891.56	11	3,681.76	11	3,519.83	11	3,355.88	11	3,190.22	11	2,052.39
1/4	1/4	1/4	4,378.15	1/4	4,215.54	1/4	4,052.09	1/4	3,888.14	1/4	3,678.34	1/4	3,516.41	1/4	3,352.46	1/4	3,186.77	1/4	2,048.40
1/2	1/2	1/2	4,374.77	1/2	4,212.16	1/2	4,048.68	1/2	3,884.73	1/2	3,674.93	1/2	3,513.03	1/2	3,350.07	1/2	3,183.32	1/2	2,044.41
3/4	3/4	3/4	4,371.38	3/4	4,208.77	3/4	4,045.26	3/4	3,881.31	3/4	3,671.53	3/4	3,509.63	3/4	3,346.68	3/4	3,179.87	3/4	2,040.42

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPLETED 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 ULLAGE GAUGES TAKEN AT 8" DIAMETER HATCH OR 2" DIAMETER "HERMETIC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 59'-06" FORWARD OF AFT BULKHEAD
GAUGE POINT: (HATCH) LOCATED 12'-09" OFF CENTERLINE AND 59'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Peeland, Texas 77568

http://www.pma.com.net



BARGE "ATC 3583"

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,992.25	1/4	1,612.01	1/2	1,227.52	3/4	844.03	1	466.20	1	86.72	1	0	1	0	1	0	1	0
1/2	1,984.24	1/2	1,604.00	1/2	1,219.51	1/4	836.02	1/2	458.27	1/4	79.48	1/2	0	1/4	0	1/4	0	1/4	0
3/4	1,976.23	3/4	1,595.98	1/2	1,211.50	1/2	828.02	1/2	450.34	1/2	72.26	1/2	0	1/2	0	1/2	0	1/2	0
1	1,968.28	1	1,587.98	3/4	1,203.48	3/4	820.01	3/4	442.41	3/4	65.18	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,960.34	1/4	1,579.97	1	1,195.48	1	812.00	1	434.45	1	58.11	1	0	1	0	1	0	1	0
1/2	1,952.40	1/2	1,571.95	1/4	1,187.47	1/4	803.99	1/4	426.55	1/4	51.04	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,944.45	3/4	1,563.95	1/2	1,179.46	1/2	795.98	1/2	418.62	1/2	43.97	1/2	0	1/2	0	1/2	0	1/2	0
1	1,936.50	1	1,555.94	3/4	1,171.45	3/4	787.97	3/4	410.68	3/4	36.46	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,928.53	1/4	1,547.92	2	1,163.47	2	779.96	2	402.68	2	32.94	2	0	2	0	2	0	2	0
1/2	1,920.57	1/2	1,539.91	1/4	1,155.47	1/4	771.95	1/4	394.70	1/4	27.43	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,913.01	3/4	1,531.90	1/2	1,147.48	1/2	763.94	1/2	386.73	1/2	21.91	1/2	0	1/2	0	1/2	0	1/2	0
1	1,905.17	1	1,523.89	3/4	1,139.48	3/4	755.93	3/4	378.74	3/4	15.91	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,897.33	1/4	1,515.88	3	1,131.48	3	747.92	3	370.74	3	9.91	3	0	3	0	3	0	3	0
1/2	1,889.49	1/2	1,507.87	1/4	1,123.50	1/4	739.91	1/4	362.74	1/4	3.91	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,881.65	3/4	1,499.86	1/2	1,115.51	1/2	731.90	1/2	354.75	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1	1,873.82	1	1,491.85	3/4	1,107.53	3/4	723.89	3/4	346.74	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,865.98	1/4	1,483.84	4	1,099.54	4	715.88	4	338.73	4	0	4	0	4	0	4	0	4	0
1/2	1,858.14	1/2	1,475.83	1/4	1,091.56	1/4	707.87	1/4	330.72	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,850.30	3/4	1,467.82	1/2	1,083.57	1/2	699.86	1/2	322.72	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1	1,842.46	1	1,459.81	3/4	1,075.59	3/4	691.85	3/4	314.71	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,834.62	1/4	1,451.80	5	1,067.60	5	683.84	5	306.69	5	0	5	0	5	0	5	0	5	0
1/2	1,826.78	1/2	1,443.79	1/4	1,059.62	1/4	675.84	1/4	298.68	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,818.94	3/4	1,435.78	1/2	1,051.64	1/2	667.83	1/2	290.67	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1	1,811.10	1	1,427.77	3/4	1,043.65	3/4	659.82	3/4	282.66	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,803.27	1/4	1,419.76	8	1,035.67	8	651.81	8	274.64	8	0	8	0	8	0	8	0	8	0
1/2	1,795.43	1/2	1,411.75	1/4	1,027.69	1/4	643.80	1/4	266.63	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,787.59	3/4	1,403.74	1/2	1,019.70	1/2	635.79	1/2	258.61	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1	1,779.68	1	1,395.73	3/4	1,011.72	3/4	627.78	3/4	250.59	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,771.78	1/4	1,387.72	7	1,003.74	7	619.77	7	242.57	7	0	7	0	7	0	7	0	7	0
1/2	1,763.86	1/2	1,379.71	1/4	995.75	1/4	611.76	1/4	234.55	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,755.98	3/4	1,371.70	1/2	987.77	1/2	603.75	1/2	226.53	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1	1,748.00	1	1,363.69	3/4	979.79	3/4	595.74	3/4	218.55	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,740.02	1/4	1,355.68	8	971.80	8	587.73	8	210.57	8	0	8	0	8	0	8	0	8	0
1/2	1,732.09	1/2	1,347.67	1/4	963.82	1/4	579.73	1/4	202.59	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,724.07	3/4	1,339.66	1/2	955.84	1/2	571.72	1/2	194.61	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1	1,716.07	1	1,331.65	3/4	947.85	3/4	564.29	3/4	186.65	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,708.08	1/4	1,323.64	9	939.87	9	556.86	9	178.68	9	0	9	0	9	0	9	0	9	0
1/2	1,700.08	1/2	1,315.63	1/4	931.89	1/4	549.43	1/4	170.72	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,692.09	3/4	1,307.62	1/2	923.90	1/2	542.00	1/2	162.75	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1	1,684.08	1	1,299.61	3/4	915.92	3/4	534.76	3/4	154.79	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,676.08	1/4	1,291.60	10	907.94	10	527.53	10	146.83	10	0	10	0	10	0	10	0	10	0
1/2	1,668.07	1/2	1,283.59	1/4	899.95	1/4	520.30	1/4	138.86	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,660.07	3/4	1,275.58	1/2	891.97	1/2	513.07	1/2	130.90	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1	1,652.06	1	1,267.57	3/4	883.98	3/4	505.32	3/4	123.47	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0
1/4	1,644.05	1/4	1,259.56	11	876.00	11	497.56	11	116.04	11	0	11	0	11	0	11	0	11	0
1/2	1,636.04	1/2	1,251.55	1/4	868.02	1/4	489.81	1/4	108.61	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0
3/4	1,628.02	3/4	1,243.54	1/2	860.03	1/2	482.06	1/2	101.18	1/2	0	1/2	0	1/2	0	1/2	0	1/2	0
1	1,620.02	1	1,235.53	3/4	852.03	3/4	474.13	3/4	93.96	3/4	0	3/4	0	3/4	0	3/4	0	3/4	0

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/26/2018 CL
CALCULATED: 10/26/2018 CL
PRINTED: 10/26/2018 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/26/18

PRECISION MEASUREMENT

& ANALYSIS, INC.

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