



BARGE "LB 5"

ULLAGE TRIM TABLE
"MMC VALVE"

	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 CENTER	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 CENTER	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	00-5/8	- 00-5/8
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8

(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 CENTER IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

June 19, 2017

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "LB 5"

ULLAGE TRIM TABLE
"8" HATCH"

	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 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-5/8	00-5/8
2 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4

(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 CENTER IS 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 161'-09"

June 19, 2017

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BARGE "LB 5"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	3,797.51	0	3,544.79	0	3,291.62	0	3,037.46	0	2,777.08	0	2,480.78	0	2,184.68	0	1,888.64		
1/4	1/4	4,018.33	3,792.24	1/4	3,539.53	1/4	3,286.33	1/4	3,032.17	1/4	2,770.90	1/4	2,474.61	1/4	2,178.51	1/4	1,882.46		
1/2	1/2	4,017.33	3,786.98	1/2	3,534.26	1/2	3,281.03	1/2	3,026.87	1/2	2,764.71	1/2	2,468.44	1/2	2,172.34	1/2	1,876.28		
3/4	3/4	4,016.32	3,781.71	3/4	3,529.00	3/4	3,275.74	3/4	3,021.58	3/4	2,758.53	3/4	2,462.27	3/4	2,166.17	3/4	1,870.10		
1	1	4,015.32	3,776.45	1	3,523.73	1	3,270.44	1	3,016.28	1	2,752.34	1	2,456.11	1	2,160.00	1	1,863.92		
1/4	1/4	4,014.32	3,771.18	1/4	3,518.47	1/4	3,265.15	1/4	3,010.99	1/4	2,746.16	1/4	2,449.94	1/4	2,153.84	1/4	1,857.73		
1/2	1/2	4,011.25	3,765.92	1/2	3,513.20	1/2	3,259.85	1/2	3,005.69	1/2	2,739.98	1/2	2,443.77	1/2	2,147.67	1/2	1,851.55		
3/4	3/4	4,008.19	3,760.65	3/4	3,507.94	3/4	3,254.56	3/4	3,000.40	3/4	2,733.79	3/4	2,437.60	3/4	2,141.50	3/4	1,845.37		
2	2	4,005.12	3,755.39	2	3,502.67	2	3,249.26	2	2,995.10	2	2,727.61	2	2,431.43	2	2,135.33	2	1,839.19		
1/4	1/4	4,002.05	3,750.12	1/4	3,497.41	1/4	3,243.97	1/4	2,989.81	1/4	2,721.43	1/4	2,425.26	1/4	2,129.16	1/4	1,833.01		
1/2	1/2	3,996.92	3,744.86	1/2	3,492.14	1/2	3,238.67	1/2	2,984.51	1/2	2,715.24	1/2	2,419.09	1/2	2,122.99	1/2	1,826.83		
3/4	3/4	3,991.79	3,739.59	3/4	3,486.88	3/4	3,233.38	3/4	2,979.22	3/4	2,709.06	3/4	2,412.92	3/4	2,116.82	3/4	1,820.65		
3	3	3,986.66	3,734.33	3	3,481.61	3	3,228.08	3	2,973.92	3	2,702.88	3	2,406.75	3	2,110.65	3	1,814.47		
1/4	1/4	3,981.53	3,729.06	1/4	3,476.35	1/4	3,222.79	1/4	2,968.63	1/4	2,696.69	1/4	2,400.59	1/4	2,104.49	1/4	1,808.28		
1/2	1/2	3,976.32	3,723.80	1/2	3,471.08	1/2	3,217.49	1/2	2,963.33	1/2	2,690.52	1/2	2,394.42	1/2	2,098.32	1/2	1,802.10		
3/4	3/4	3,971.10	3,718.53	3/4	3,465.82	3/4	3,212.20	3/4	2,958.04	3/4	2,684.36	3/4	2,388.25	3/4	2,092.16	3/4	1,795.92		
4	4	3,965.88	3,713.27	4	3,460.55	4	3,206.90	4	2,952.74	4	2,678.19	4	2,382.08	4	2,086.00	4	1,789.74		
1/4	1/4	3,960.66	3,708.00	1/4	3,455.29	1/4	3,201.61	1/4	2,947.45	1/4	2,672.02	1/4	2,375.91	1/4	2,079.84	1/4	1,783.56		
1/2	1/2	3,955.41	3,702.74	1/2	3,450.02	1/2	3,196.31	1/2	2,942.15	1/2	2,665.85	1/2	2,369.74	1/2	2,073.67	1/2	1,777.38		
3/4	3/4	3,950.16	3,697.47	3/4	3,444.76	3/4	3,191.02	3/4	2,936.86	3/4	2,659.68	3/4	2,363.57	3/4	2,067.51	3/4	1,771.20		
5	5	3,944.91	3,692.21	5	3,439.49	5	3,185.72	5	2,931.56	5	2,653.51	5	2,357.40	5	2,061.34	5	1,765.02		
1/4	1/4	3,939.65	3,686.94	1/4	3,434.23	1/4	3,180.43	1/4	2,926.27	1/4	2,647.34	1/4	2,351.23	1/4	2,055.18	1/4	1,758.84		
1/2	1/2	3,934.39	3,681.68	1/2	3,428.96	1/2	3,175.13	1/2	2,920.97	1/2	2,641.17	1/2	2,345.07	1/2	2,049.02	1/2	1,752.65		
3/4	3/4	3,929.13	3,676.41	3/4	3,423.70	3/4	3,169.84	3/4	2,915.68	3/4	2,635.00	3/4	2,338.90	3/4	2,042.85	3/4	1,746.47		
6	6	3,923.86	3,671.15	6	3,418.43	6	3,164.54	6	2,910.38	6	2,628.84	6	2,332.73	6	2,036.69	6	1,740.29		
1/4	1/4	3,918.60	3,665.88	1/4	3,413.17	1/4	3,159.25	1/4	2,905.09	1/4	2,622.67	1/4	2,326.56	1/4	2,030.52	1/4	1,734.11		
1/2	1/2	3,913.33	3,660.62	1/2	3,407.90	1/2	3,153.95	1/2	2,899.79	1/2	2,616.50	1/2	2,320.39	1/2	2,024.35	1/2	1,727.93		
3/4	3/4	3,908.07	3,655.35	3/4	3,402.64	3/4	3,148.66	3/4	2,894.50	3/4	2,610.33	3/4	2,314.22	3/4	2,018.19	3/4	1,721.75		
7	7	3,902.80	3,650.09	7	3,397.37	7	3,143.36	7	2,889.20	7	2,604.16	7	2,308.05	7	2,012.02	7	1,715.57		
1/4	1/4	3,897.54	3,644.82	1/4	3,392.11	1/4	3,138.07	1/4	2,883.91	1/4	2,597.99	1/4	2,301.88	1/4	2,005.86	1/4	1,709.39		
1/2	1/2	3,892.27	3,639.56	1/2	3,386.84	1/2	3,132.77	1/2	2,878.61	1/2	2,591.82	1/2	2,295.72	1/2	1,999.69	1/2	1,703.20		
3/4	3/4	3,887.01	3,634.29	3/4	3,381.58	3/4	3,127.48	3/4	2,873.32	3/4	2,585.65	3/4	2,289.55	3/4	1,993.53	3/4	1,697.02		
8	8	3,881.74	3,629.03	8	3,376.31	8	3,122.18	8	2,868.02	8	2,579.48	8	2,283.38	8	1,987.36	8	1,690.84		
1/4	1/4	3,876.48	3,623.76	1/4	3,371.05	1/4	3,116.89	1/4	2,862.73	1/4	2,573.32	1/4	2,277.21	1/4	1,981.20	1/4	1,684.66		
1/2	1/2	3,871.21	3,618.50	1/2	3,365.75	1/2	3,111.59	1/2	2,857.43	1/2	2,567.15	1/2	2,271.04	1/2	1,975.03	1/2	1,678.49		
3/4	3/4	3,865.95	3,613.23	3/4	3,360.46	3/4	3,106.30	3/4	2,852.14	3/4	2,560.98	3/4	2,264.87	3/4	1,968.87	3/4	1,672.33		
9	9	3,860.68	3,607.97	9	3,355.16	9	3,101.00	9	2,846.84	9	2,554.81	9	2,258.70	9	1,962.70	9	1,666.16		
1/4	1/4	3,855.42	3,602.70	1/4	3,349.87	1/4	3,095.71	1/4	2,841.55	1/4	2,548.64	1/4	2,252.53	1/4	1,956.54	1/4	1,659.99		
1/2	1/2	3,850.16	3,597.44	1/2	3,344.57	1/2	3,090.41	1/2	2,836.25	1/2	2,542.47	1/2	2,246.37	1/2	1,950.37	1/2	1,653.82		
3/4	3/4	3,844.89	3,592.17	3/4	3,339.28	3/4	3,085.12	3/4	2,830.96	3/4	2,536.30	3/4	2,240.20	3/4	1,944.21	3/4	1,647.66		
10	10	3,839.63	3,586.91	10	3,333.98	10	3,079.82	10	2,825.66	10	2,530.13	10	2,234.03	10	1,938.04	10	1,641.49		
1/4	1/4	3,834.36	3,581.65	1/4	3,328.69	1/4	3,074.53	1/4	2,820.37	1/4	2,523.96	1/4	2,227.86	1/4	1,931.88	1/4	1,635.32		
1/2	1/2	3,829.10	3,576.38	1/2	3,323.39	1/2	3,069.23	1/2	2,814.18	1/2	2,517.80	1/2	2,221.69	1/2	1,925.70	1/2	1,629.16		
3/4	3/4	3,823.83	3,571.12	3/4	3,318.10	3/4	3,063.94	3/4	2,808.00	3/4	2,511.63	3/4	2,215.52	3/4	1,919.53	3/4	1,622.99		
11	11	3,818.57	3,565.85	11	3,312.80	11	3,058.64	11	2,801.82	11	2,505.46	11	2,209.35	11	1,913.36	11	1,616.82		
1/4	1/4	3,813.30	3,560.59	1/4	3,307.51	1/4	3,053.35	1/4	2,795.63	1/4	2,499.29	1/4	2,203.19	1/4	1,907.18	1/4	1,610.65		
1/2	1/2	3,808.04	3,555.32	1/2	3,302.21	1/2	3,048.05	1/2	2,789.45	1/2	2,493.12	1/2	2,197.02	1/2	1,901.00	1/2	1,604.49		
3/4	3/4	3,802.77	3,550.06	3/4	3,296.92	3/4	3,042.76	3/4	2,783.26	3/4	2,486.95	3/4	2,190.85	3/4	1,894.82	3/4	1,598.32		

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 APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC VALVE) LOCATED ON CENTERLINE AND 31'-00" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED ON CENTERLINE AND 28'-04" FORWARD OF AFT BULKHEAD

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BARGE "LB 5"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	1,592.15	0	1,295.87	0	999.29	0	709.02	0	413.59	0	117.80	0		0		0		0	
1/4	1,585.99	1/4	1,289.69	1/4	993.11	1/4	703.01	1/4	407.40	1/4	111.88	1/4		1/4		1/4		1/4	
1/2	1,579.82	1/2	1,283.51	1/2	986.93	1/2	696.83	1/2	401.22	1/2	106.21	1/2		1/2		1/2		1/2	
3/4	1,573.65	3/4	1,277.33	3/4	980.75	3/4	690.64	3/4	395.04	3/4	100.55	3/4		3/4		3/4		3/4	
1	1,567.49	1	1,271.15	1	974.57	1	684.46	1	388.85	1	94.88	1		1		1		1	
1/4	1,561.32	1/4	1,264.97	1/4	968.39	1/4	678.28	1/4	382.67	1/4	89.22	1/4		1/4		1/4		1/4	
1/2	1,555.15	1/2	1,258.79	1/2	962.22	1/2	672.17	1/2	376.49	1/2	83.34	1/2		1/2		1/2		1/2	
3/4	1,548.98	3/4	1,252.61	3/4	956.04	3/4	666.06	3/4	370.30	3/4	77.46	3/4		3/4		3/4		3/4	
2	1,542.82	2	1,246.44	2	949.86	2	659.95	2	364.12	2	71.58	2		2		2		2	
1/4	1,536.65	1/4	1,240.26	1/4	943.68	1/4	653.84	1/4	357.94	1/4	65.70	1/4		1/4		1/4		1/4	
1/2	1,530.48	1/2	1,234.08	1/2	937.65	1/2	647.73	1/2	351.75	1/2	59.64	1/2		1/2		1/2		1/2	
3/4	1,524.32	3/4	1,227.90	3/4	931.61	3/4	641.62	3/4	345.57	3/4	53.57	3/4		3/4		3/4		3/4	
3	1,518.15	3	1,221.72	3	925.58	3	635.51	3	339.39	3	47.50	3		3		3		3	
1/4	1,511.98	1/4	1,215.54	1/4	919.54	1/4	629.40	1/4	333.20	1/4	41.43	1/4		1/4		1/4		1/4	
1/2	1,505.81	1/2	1,209.36	1/2	913.51	1/2	623.29	1/2	327.02	1/2	36.28	1/2		1/2		1/2		1/2	
3/4	1,499.65	3/4	1,203.19	3/4	907.48	3/4	617.18	3/4	320.84	3/4	31.13	3/4		3/4		3/4		3/4	
4	1,493.48	4	1,197.01	4	901.44	4	611.08	4	314.65	4	25.97	4		4		4		4	
1/4	1,487.31	1/4	1,190.83	1/4	895.41	1/4	604.97	1/4	308.47	1/4	20.82	1/4		1/4		1/4		1/4	
1/2	1,481.15	1/2	1,184.65	1/2	889.40	1/2	598.86	1/2	302.29	1/2	17.72	1/2		1/2		1/2		1/2	
3/4	1,474.98	3/4	1,178.47	3/4	883.38	3/4	592.75	3/4	296.10	3/4	14.62	3/4		3/4		3/4		3/4	
5	1,468.81	5	1,172.29	5	877.37	5	586.64	5	289.92	5	11.52	5		5		5		5	
1/4	1,462.64	1/4	1,166.11	1/4	871.36	1/4	580.54	1/4	283.74	1/4	8.43	1/4		1/4		1/4		1/4	
1/2	1,456.48	1/2	1,159.93	1/2	865.35	1/2	574.35	1/2	277.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,450.31	3/4	1,153.76	3/4	859.33	3/4	568.17	3/4	271.37	3/4		3/4		3/4		3/4		3/4	
6	1,444.14	6	1,147.58	6	853.32	6	561.99	6	265.19	6		6		6		6		6	
1/4	1,437.98	1/4	1,141.40	1/4	847.31	1/4	555.80	1/4	259.00	1/4		1/4		1/4		1/4		1/4	
1/2	1,431.80	1/2	1,135.22	1/2	841.30	1/2	549.62	1/2	252.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,425.62	3/4	1,129.04	3/4	835.28	3/4	543.44	3/4	246.63	3/4		3/4		3/4		3/4		3/4	
7	1,419.44	7	1,122.86	7	829.27	7	537.25	7	240.45	7		7		7		7		7	
1/4	1,413.26	1/4	1,116.68	1/4	823.26	1/4	531.07	1/4	234.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,407.08	1/2	1,110.50	1/2	817.25	1/2	524.89	1/2	228.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,400.90	3/4	1,104.33	3/4	811.23	3/4	518.70	3/4	221.90	3/4		3/4		3/4		3/4		3/4	
8	1,394.73	8	1,098.15	8	805.22	8	512.52	8	215.71	8		8		8		8		8	
1/4	1,388.55	1/4	1,091.97	1/4	799.21	1/4	506.34	1/4	209.53	1/4		1/4		1/4		1/4		1/4	
1/2	1,382.37	1/2	1,085.79	1/2	793.20	1/2	500.15	1/2	203.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,376.19	3/4	1,079.61	3/4	787.18	3/4	493.97	3/4	197.19	3/4		3/4		3/4		3/4		3/4	
9	1,370.01	9	1,073.43	9	781.17	9	487.79	9	191.02	9		9		9		9		9	
1/4	1,363.83	1/4	1,067.25	1/4	775.16	1/4	481.60	1/4	184.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,357.65	1/2	1,061.08	1/2	769.15	1/2	475.42	1/2	178.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,351.47	3/4	1,054.90	3/4	763.13	3/4	469.24	3/4	172.53	3/4		3/4		3/4		3/4		3/4	
10	1,345.30	10	1,048.72	10	757.12	10	463.05	10	166.37	10		10		10		10		10	
1/4	1,339.12	1/4	1,042.54	1/4	751.11	1/4	456.87	1/4	160.21	1/4		1/4		1/4		1/4		1/4	
1/2	1,332.94	1/2	1,036.36	1/2	745.10	1/2	450.69	1/2	154.05	1/2		1/2		1/2		1/2		1/2	
3/4	1,326.76	3/4	1,030.18	3/4	739.08	3/4	444.50	3/4	147.88	3/4		3/4		3/4		3/4		3/4	
11	1,320.58	11	1,024.00	11	733.07	11	438.32	11	141.72	11		11		11		11		11	
1/4	1,314.40	1/4	1,017.82	1/4	727.06	1/4	432.14	1/4	135.55	1/4		1/4		1/4		1/4		1/4	
1/2	1,308.22	1/2	1,011.65	1/2	721.05	1/2	425.95	1/2	129.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,302.04	3/4	1,005.47	3/4	715.03	3/4	419.77	3/4	123.72	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2017 SW
CALCULATED: 06/16/2017 CL
PRINTED: 06/19/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "LB 5"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	0	0	0	0	3,528.14	0	3,264.98	0	3,001.82	0	2,738.66	0	2,475.50	0	2,212.34	0	1,949.18	0	1,686.02
1/4	1/4	1/4	1/4	1/4	3,522.66	1/4	3,259.50	1/4	2,996.34	1/4	2,733.18	1/4	2,470.02	1/4	2,206.86	1/4	1,943.70	1/4	1,680.54
1/2	1/2	1/2	1/2	1/2	3,517.17	1/2	3,254.01	1/2	2,990.85	1/2	2,727.69	1/2	2,464.53	1/2	2,201.37	1/2	1,938.21	1/2	1,675.05
3/4	3/4	3/4	3/4	3/4	3,741.74	3/4	3,511.69	3/4	3,248.53	3/4	2,985.37	3/4	2,722.21	3/4	2,459.05	3/4	1,932.73	3/4	1,669.57
1	1	1	1	1	3,740.83	1	3,506.21	1	3,243.05	1	2,979.89	1	2,716.73	1	2,453.57	1	2,190.41	1	1,927.25
1/4	1/4	1/4	1/4	1/4	3,739.91	1/4	3,500.73	1/4	3,237.57	1/4	2,974.41	1/4	2,711.25	1/4	2,448.09	1/4	2,184.93	1/4	1,921.77
1/2	1/2	1/2	1/2	1/2	3,739.00	1/2	3,495.24	1/2	3,232.08	1/2	2,968.92	1/2	2,705.76	1/2	2,442.60	1/2	2,179.44	1/2	1,916.28
3/4	3/4	3/4	3/4	3/4	3,738.09	3/4	3,489.76	3/4	3,226.60	3/4	2,963.44	3/4	2,700.28	3/4	2,437.12	3/4	2,173.96	3/4	1,910.80
2	2	2	2	2	3,735.34	2	3,484.28	2	3,221.12	2	2,957.96	2	2,694.80	2	2,431.64	2	2,168.48	2	1,905.32
1/4	1/4	1/4	1/4	1/4	3,732.60	1/4	3,478.80	1/4	3,215.64	1/4	2,952.48	1/4	2,689.32	1/4	2,426.16	1/4	2,163.00	1/4	1,899.84
1/2	1/2	1/2	1/2	1/2	3,729.86	1/2	3,473.31	1/2	3,210.15	1/2	2,946.99	1/2	2,683.83	1/2	2,420.67	1/2	2,157.51	1/2	1,894.35
3/4	3/4	3/4	3/4	3/4	3,727.12	3/4	3,467.83	3/4	3,204.67	3/4	2,941.51	3/4	2,678.35	3/4	2,415.19	3/4	2,152.03	3/4	1,888.87
3	3	3	3	3	3,722.55	3	3,462.35	3	3,199.19	3	2,936.03	3	2,672.87	3	2,409.71	3	2,146.55	3	1,883.39
1/4	1/4	1/4	1/4	1/4	3,717.99	1/4	3,456.87	1/4	3,193.71	1/4	2,930.55	1/4	2,667.39	1/4	2,404.23	1/4	2,141.07	1/4	1,877.91
1/2	1/2	1/2	1/2	1/2	3,713.42	1/2	3,451.38	1/2	3,188.22	1/2	2,925.06	1/2	2,661.90	1/2	2,398.74	1/2	2,135.58	1/2	1,872.42
3/4	3/4	3/4	3/4	3/4	3,708.85	3/4	3,445.90	3/4	3,182.74	3/4	2,919.58	3/4	2,656.42	3/4	2,393.26	3/4	2,130.10	3/4	1,866.94
4	4	4	4	4	3,703.42	4	3,440.42	4	3,177.26	4	2,914.10	4	2,650.94	4	2,387.78	4	2,124.62	4	1,861.46
1/4	1/4	1/4	1/4	1/4	3,697.98	1/4	3,434.94	1/4	3,171.78	1/4	2,908.62	1/4	2,645.46	1/4	2,382.30	1/4	2,119.14	1/4	1,855.98
1/2	1/2	1/2	1/2	1/2	3,692.54	1/2	3,429.45	1/2	3,166.29	1/2	2,903.13	1/2	2,639.97	1/2	2,376.81	1/2	2,113.65	1/2	1,850.49
3/4	3/4	3/4	3/4	3/4	3,687.10	3/4	3,423.97	3/4	3,160.81	3/4	2,897.65	3/4	2,634.49	3/4	2,371.33	3/4	2,108.17	3/4	1,845.01
5	5	5	5	5	3,681.63	5	3,418.49	5	3,155.33	5	2,892.17	5	2,629.01	5	2,365.85	5	2,102.69	5	1,839.53
1/4	1/4	1/4	1/4	1/4	3,676.16	1/4	3,413.01	1/4	3,149.85	1/4	2,886.69	1/4	2,623.53	1/4	2,360.37	1/4	2,097.21	1/4	1,834.05
1/2	1/2	1/2	1/2	1/2	3,670.69	1/2	3,407.52	1/2	3,144.36	1/2	2,881.20	1/2	2,618.04	1/2	2,354.88	1/2	2,091.72	1/2	1,828.56
3/4	3/4	3/4	3/4	3/4	3,665.22	3/4	3,402.04	3/4	3,138.88	3/4	2,875.72	3/4	2,612.56	3/4	2,349.40	3/4	2,086.24	3/4	1,823.08
6	6	6	6	6	3,659.73	6	3,396.56	6	3,133.40	6	2,870.24	6	2,607.08	6	2,343.92	6	2,080.76	6	1,817.60
1/4	1/4	1/4	1/4	1/4	3,654.25	1/4	3,391.08	1/4	3,127.92	1/4	2,864.76	1/4	2,601.60	1/4	2,338.44	1/4	2,075.28	1/4	1,812.12
1/2	1/2	1/2	1/2	1/2	3,648.76	1/2	3,385.59	1/2	3,122.43	1/2	2,859.27	1/2	2,596.11	1/2	2,332.95	1/2	2,069.79	1/2	1,806.63
3/4	3/4	3/4	3/4	3/4	3,643.27	3/4	3,380.11	3/4	3,116.95	3/4	2,853.79	3/4	2,590.63	3/4	2,327.47	3/4	2,064.31	3/4	1,801.15
7	7	7	7	7	3,637.79	7	3,374.63	7	3,111.47	7	2,848.31	7	2,585.15	7	2,321.99	7	2,058.83	7	1,795.67
1/4	1/4	1/4	1/4	1/4	3,632.31	1/4	3,369.15	1/4	3,105.99	1/4	2,842.83	1/4	2,579.67	1/4	2,316.51	1/4	2,053.35	1/4	1,790.19
1/2	1/2	1/2	1/2	1/2	3,626.82	1/2	3,363.66	1/2	3,100.50	1/2	2,837.34	1/2	2,574.18	1/2	2,311.02	1/2	2,047.86	1/2	1,784.70
3/4	3/4	3/4	3/4	3/4	3,621.34	3/4	3,358.18	3/4	3,095.02	3/4	2,831.86	3/4	2,568.70	3/4	2,305.54	3/4	2,042.38	3/4	1,779.22
8	8	8	8	8	3,615.86	8	3,352.70	8	3,089.54	8	2,826.38	8	2,563.22	8	2,300.06	8	2,036.90	8	1,773.74
1/4	1/4	1/4	1/4	1/4	3,610.38	1/4	3,347.22	1/4	3,084.06	1/4	2,820.90	1/4	2,557.74	1/4	2,294.58	1/4	2,031.42	1/4	1,768.26
1/2	1/2	1/2	1/2	1/2	3,604.89	1/2	3,341.73	1/2	3,078.57	1/2	2,815.41	1/2	2,552.25	1/2	2,289.09	1/2	2,025.93	1/2	1,762.77
3/4	3/4	3/4	3/4	3/4	3,599.41	3/4	3,336.25	3/4	3,073.09	3/4	2,809.93	3/4	2,546.77	3/4	2,283.61	3/4	2,020.45	3/4	1,757.29
9	9	9	9	9	3,593.93	9	3,330.77	9	3,067.61	9	2,804.45	9	2,541.29	9	2,278.13	9	2,014.97	9	1,751.81
1/4	1/4	1/4	1/4	1/4	3,588.45	1/4	3,325.29	1/4	3,062.13	1/4	2,798.97	1/4	2,535.81	1/4	2,272.65	1/4	2,009.49	1/4	1,746.33
1/2	1/2	1/2	1/2	1/2	3,582.96	1/2	3,319.80	1/2	3,056.64	1/2	2,793.48	1/2	2,530.32	1/2	2,267.16	1/2	2,004.00	1/2	1,740.84
3/4	3/4	3/4	3/4	3/4	3,577.48	3/4	3,314.32	3/4	3,051.16	3/4	2,788.00	3/4	2,524.84	3/4	2,261.68	3/4	1,998.52	3/4	1,735.36
10	10	10	10	10	3,572.00	10	3,308.84	10	3,045.68	10	2,782.52	10	2,519.36	10	2,256.20	10	1,993.04	10	1,729.88
1/4	1/4	1/4	1/4	1/4	3,566.52	1/4	3,303.36	1/4	3,040.20	1/4	2,777.04	1/4	2,513.88	1/4	2,250.72	1/4	1,987.56	1/4	1,724.40
1/2	1/2	1/2	1/2	1/2	3,561.03	1/2	3,297.87	1/2	3,034.71	1/2	2,771.55	1/2	2,508.39	1/2	2,245.23	1/2	1,982.07	1/2	1,718.91
3/4	3/4	3/4	3/4	3/4	3,555.55	3/4	3,292.39	3/4	3,029.23	3/4	2,766.07	3/4	2,502.91	3/4	2,239.75	3/4	1,976.59	3/4	1,713.43
11	11	11	11	11	3,550.07	11	3,286.91	11	3,023.75	11	2,760.59	11	2,497.43	11	2,234.27	11	1,971.11	11	1,707.95
1/4	1/4	1/4	1/4	1/4	3,544.59	1/4	3,281.43	1/4	3,018.27	1/4	2,755.11	1/4	2,491.95	1/4	2,228.79	1/4	1,965.63	1/4	1,702.47
1/2	1/2	1/2	1/2	1/2	3,539.10	1/2	3,275.94	1/2	3,012.78	1/2	2,749.62	1/2	2,486.46	1/2	2,223.30	1/2	1,960.14	1/2	1,696.98
3/4	3/4	3/4	3/4	3/4	3,533.62	3/4	3,270.46	3/4	3,007.30	3/4	2,744.14	3/4	2,480.98	3/4	2,217.82	3/4	1,954.66	3/4	1,691.50

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 APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC VALVE) LOCATED ON CENTERLINE AND 28'-00" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED ON CENTERLINE AND 25'-04" FORWARD OF AFT BULKHEAD

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



BARGE "LB 5"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	1,422.86	0	1,159.70	0	896.54	0	639.60	0	378.10	0	114.98	0		0		0		0	
1/4	1,417.38	1/4	1,154.22	1/4	891.06	1/4	634.28	1/4	372.62	1/4	109.51	1/4		1/4		1/4		1/4	
1/2	1,411.89	1/2	1,148.73	1/2	885.57	1/2	628.97	1/2	367.14	1/2	104.05	1/2		1/2		1/2		1/2	
3/4	1,406.41	3/4	1,143.25	3/4	880.09	3/4	623.65	3/4	361.65	3/4	98.58	3/4		3/4		3/4		3/4	
1	1,400.93	1	1,137.77	1	874.61	1	618.17	1	356.17	1	93.13	1		1		1		1	
1/4	1,395.45	1/4	1,132.29	1/4	869.13	1/4	612.69	1/4	350.69	1/4	87.68	1/4		1/4		1/4		1/4	
1/2	1,389.96	1/2	1,126.80	1/2	863.64	1/2	607.21	1/2	345.21	1/2	82.24	1/2		1/2		1/2		1/2	
3/4	1,384.48	3/4	1,121.32	3/4	858.16	3/4	601.72	3/4	339.72	3/4	76.79	3/4		3/4		3/4		3/4	
2	1,379.00	2	1,115.84	2	852.68	2	596.31	2	334.24	2	71.37	2		2		2		2	
1/4	1,373.52	1/4	1,110.36	1/4	847.20	1/4	590.90	1/4	328.76	1/4	65.95	1/4		1/4		1/4		1/4	
1/2	1,368.03	1/2	1,104.87	1/2	841.71	1/2	585.49	1/2	323.27	1/2	60.53	1/2		1/2		1/2		1/2	
3/4	1,362.55	3/4	1,099.39	3/4	836.23	3/4	580.08	3/4	317.79	3/4	55.11	3/4		3/4		3/4		3/4	
3	1,357.07	3	1,093.91	3	830.92	3	574.67	3	312.31	3	49.74	3		3		3		3	
1/4	1,351.59	1/4	1,088.43	1/4	825.60	1/4	569.26	1/4	306.83	1/4	44.37	1/4		1/4		1/4		1/4	
1/2	1,346.10	1/2	1,082.94	1/2	820.29	1/2	563.85	1/2	301.34	1/2	39.01	1/2		1/2		1/2		1/2	
3/4	1,340.62	3/4	1,077.46	3/4	814.97	3/4	558.44	3/4	295.86	3/4	33.64	3/4		3/4		3/4		3/4	
4	1,335.14	4	1,071.98	4	809.66	4	553.03	4	290.38	4	29.08	4		4		4		4	
1/4	1,329.66	1/4	1,066.50	1/4	804.34	1/4	547.63	1/4	284.90	1/4	24.51	1/4		1/4		1/4		1/4	
1/2	1,324.17	1/2	1,061.01	1/2	799.03	1/2	542.22	1/2	279.41	1/2	19.95	1/2		1/2		1/2		1/2	
3/4	1,318.69	3/4	1,055.53	3/4	793.72	3/4	536.81	3/4	273.93	3/4	15.39	3/4		3/4		3/4		3/4	
5	1,313.21	5	1,050.05	5	788.40	5	531.40	5	268.45	5	12.65	5		5		5		5	
1/4	1,307.73	1/4	1,044.57	1/4	783.09	1/4	525.99	1/4	262.97	1/4	9.91	1/4		1/4		1/4		1/4	
1/2	1,302.24	1/2	1,039.08	1/2	777.77	1/2	520.58	1/2	257.48	1/2	7.17	1/2		1/2		1/2		1/2	
3/4	1,296.76	3/4	1,033.60	3/4	772.46	3/4	515.17	3/4	252.00	3/4	4.43	3/4		3/4		3/4		3/4	
6	1,291.28	6	1,028.12	6	767.14	6	509.68	6	246.52	6		6		6		6		6	
1/4	1,285.80	1/4	1,022.64	1/4	761.83	1/4	504.20	1/4	241.04	1/4		1/4		1/4		1/4		1/4	
1/2	1,280.31	1/2	1,017.15	1/2	756.51	1/2	498.72	1/2	235.55	1/2		1/2		1/2		1/2		1/2	
3/4	1,274.83	3/4	1,011.67	3/4	751.20	3/4	493.24	3/4	230.07	3/4		3/4		3/4		3/4		3/4	
7	1,269.35	7	1,006.19	7	745.89	7	487.75	7	224.59	7		7		7		7		7	
1/4	1,263.87	1/4	1,000.71	1/4	740.57	1/4	482.27	1/4	219.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,258.38	1/2	995.22	1/2	735.26	1/2	476.79	1/2	213.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,252.90	3/4	989.74	3/4	729.94	3/4	471.30	3/4	208.14	3/4		3/4		3/4		3/4		3/4	
8	1,247.42	8	984.26	8	724.63	8	465.82	8	202.66	8		8		8		8		8	
1/4	1,241.94	1/4	978.78	1/4	719.31	1/4	460.34	1/4	197.17	1/4		1/4		1/4		1/4		1/4	
1/2	1,236.45	1/2	973.29	1/2	714.00	1/2	454.86	1/2	191.69	1/2		1/2		1/2		1/2		1/2	
3/4	1,230.97	3/4	967.81	3/4	708.69	3/4	449.37	3/4	186.21	3/4		3/4		3/4		3/4		3/4	
9	1,225.49	9	962.33	9	703.37	9	443.89	9	180.73	9		9		9		9		9	
1/4	1,220.01	1/4	956.85	1/4	698.06	1/4	438.41	1/4	175.24	1/4		1/4		1/4		1/4		1/4	
1/2	1,214.52	1/2	951.36	1/2	692.74	1/2	432.93	1/2	169.76	1/2		1/2		1/2		1/2		1/2	
3/4	1,209.04	3/4	945.88	3/4	687.43	3/4	427.44	3/4	164.28	3/4		3/4		3/4		3/4		3/4	
10	1,203.56	10	940.40	10	682.11	10	421.96	10	158.80	10		10		10		10		10	
1/4	1,198.08	1/4	934.92	1/4	676.80	1/4	416.48	1/4	153.32	1/4		1/4		1/4		1/4		1/4	
1/2	1,192.59	1/2	929.43	1/2	671.48	1/2	411.00	1/2	147.83	1/2		1/2		1/2		1/2		1/2	
3/4	1,187.11	3/4	923.95	3/4	666.17	3/4	405.51	3/4	142.35	3/4		3/4		3/4		3/4		3/4	
11	1,181.63	11	918.47	11	660.86	11	400.03	11	136.87	11		11		11		11		11	
1/4	1,176.15	1/4	912.99	1/4	655.54	1/4	394.55	1/4	131.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,170.66	1/2	907.50	1/2	650.23	1/2	389.07	1/2	125.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,165.18	3/4	902.02	3/4	644.91	3/4	383.58	3/4	120.44	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2017 SW
CALCULATED: 06/16/2017 CL
PRINTED: 06/19/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
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BARGE "LB 5"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	0	0	3,502.75	0	3,242.68	0	2,982.21	0	2,720.68	0	2,459.15	0	2,197.62	0	1,936.08	0	1,674.55		
1/4	1/4	1/4	3,497.33	1/4	3,237.26	1/4	2,977.77	1/4	2,715.23	1/4	2,453.70	1/4	2,192.17	1/4	1,930.63	1/4	1,669.10		
1/2	1/2	1/2	3,491.91	1/2	3,231.84	1/2	2,971.32	1/2	2,709.78	1/2	2,448.25	1/2	2,186.72	1/2	1,925.19	1/2	1,663.65		
3/4	3/4	3/4	3,713.98	3/4	3,486.49	3/4	3,226.43	3/4	2,965.87	3/4	2,704.34	3/4	2,442.80	3/4	2,181.27	3/4	1,919.74	3/4	1,658.20
1	1	1	3,713.08	1	3,481.08	1	3,221.01	1	2,960.42	1	2,698.89	1	2,437.35	1	2,175.82	1	1,914.29	1	1,652.76
1/4	1/4	1/4	3,712.17	1/4	3,475.66	1/4	3,215.59	1/4	2,954.97	1/4	2,693.44	1/4	2,431.91	1/4	2,170.37	1/4	1,908.84	1/4	1,647.31
1/2	1/2	1/2	3,711.26	1/2	3,470.24	1/2	3,210.17	1/2	2,949.52	1/2	2,687.99	1/2	2,426.46	1/2	2,164.92	1/2	1,903.39	1/2	1,641.86
3/4	3/4	3/4	3,710.35	3/4	3,464.82	3/4	3,204.75	3/4	2,944.07	3/4	2,682.54	3/4	2,421.01	3/4	2,159.48	3/4	1,897.94	3/4	1,636.41
2	2	2	3,707.63	2	3,459.40	2	3,199.34	2	2,938.63	2	2,677.09	2	2,415.56	2	2,154.03	2	1,892.49	2	1,630.96
1/4	1/4	1/4	3,704.90	1/4	3,453.99	1/4	3,193.92	1/4	2,933.18	1/4	2,671.64	1/4	2,410.11	1/4	2,148.58	1/4	1,887.05	1/4	1,625.51
1/2	1/2	1/2	3,702.18	1/2	3,448.57	1/2	3,188.50	1/2	2,927.73	1/2	2,666.20	1/2	2,404.66	1/2	2,143.13	1/2	1,881.60	1/2	1,620.06
3/4	3/4	3/4	3,699.46	3/4	3,443.15	3/4	3,183.08	3/4	2,922.28	3/4	2,660.75	3/4	2,399.21	3/4	2,137.68	3/4	1,876.15	3/4	1,614.62
3	3	3	3,694.92	3	3,437.73	3	3,177.66	3	2,916.83	3	2,655.30	3	2,393.77	3	2,132.23	3	1,870.70	3	1,609.17
1/4	1/4	1/4	3,690.38	1/4	3,432.31	1/4	3,172.24	1/4	2,911.38	1/4	2,649.85	1/4	2,388.32	1/4	2,126.78	1/4	1,865.25	1/4	1,603.72
1/2	1/2	1/2	3,685.84	1/2	3,426.90	1/2	3,166.83	1/2	2,905.93	1/2	2,644.40	1/2	2,382.87	1/2	2,121.34	1/2	1,859.80	1/2	1,598.27
3/4	3/4	3/4	3,681.30	3/4	3,421.48	3/4	3,161.41	3/4	2,900.49	3/4	2,638.95	3/4	2,377.42	3/4	2,115.89	3/4	1,854.35	3/4	1,592.82
4	4	4	3,675.93	4	3,416.06	4	3,155.99	4	2,895.04	4	2,633.50	4	2,371.97	4	2,110.44	4	1,848.91	4	1,587.37
1/4	1/4	1/4	3,670.55	1/4	3,410.64	1/4	3,150.57	1/4	2,889.59	1/4	2,628.06	1/4	2,366.52	1/4	2,104.99	1/4	1,843.46	1/4	1,581.92
1/2	1/2	1/2	3,665.18	1/2	3,405.22	1/2	3,145.15	1/2	2,884.14	1/2	2,622.61	1/2	2,361.07	1/2	2,099.54	1/2	1,838.01	1/2	1,576.48
3/4	3/4	3/4	3,659.81	3/4	3,399.80	3/4	3,139.74	3/4	2,878.69	3/4	2,617.16	3/4	2,355.63	3/4	2,094.09	3/4	1,832.56	3/4	1,571.03
5	5	5	3,654.40	5	3,394.39	5	3,134.32	5	2,873.24	5	2,611.71	5	2,350.18	5	2,088.64	5	1,827.11	5	1,565.58
1/4	1/4	1/4	3,649.00	1/4	3,388.97	1/4	3,128.90	1/4	2,867.79	1/4	2,606.26	1/4	2,344.73	1/4	2,083.20	1/4	1,821.66	1/4	1,560.13
1/2	1/2	1/2	3,643.59	1/2	3,383.55	1/2	3,123.48	1/2	2,862.35	1/2	2,600.81	1/2	2,339.28	1/2	2,077.75	1/2	1,816.21	1/2	1,554.68
3/4	3/4	3/4	3,638.18	3/4	3,378.13	3/4	3,118.06	3/4	2,856.90	3/4	2,595.36	3/4	2,333.83	3/4	2,072.30	3/4	1,810.77	3/4	1,549.23
6	6	6	3,632.77	6	3,372.71	6	3,112.65	6	2,851.45	6	2,589.92	6	2,328.38	6	2,066.85	6	1,805.32	6	1,543.78
1/4	1/4	1/4	3,627.36	1/4	3,367.30	1/4	3,107.23	1/4	2,846.00	1/4	2,584.47	1/4	2,322.93	1/4	2,061.40	1/4	1,799.87	1/4	1,538.34
1/2	1/2	1/2	3,621.94	1/2	3,361.88	1/2	3,101.81	1/2	2,840.55	1/2	2,579.02	1/2	2,317.49	1/2	2,055.95	1/2	1,794.42	1/2	1,532.89
3/4	3/4	3/4	3,616.53	3/4	3,356.46	3/4	3,096.39	3/4	2,835.10	3/4	2,573.57	3/4	2,312.04	3/4	2,050.50	3/4	1,788.97	3/4	1,527.44
7	7	7	3,611.11	7	3,351.04	7	3,090.97	7	2,829.65	7	2,568.12	7	2,306.59	7	2,045.06	7	1,783.52	7	1,521.99
1/4	1/4	1/4	3,605.69	1/4	3,345.62	1/4	3,085.56	1/4	2,824.21	1/4	2,562.67	1/4	2,301.14	1/4	2,039.61	1/4	1,778.07	1/4	1,516.54
1/2	1/2	1/2	3,600.27	1/2	3,340.21	1/2	3,080.14	1/2	2,818.76	1/2	2,557.22	1/2	2,295.69	1/2	2,034.16	1/2	1,772.63	1/2	1,511.09
3/4	3/4	3/4	3,594.86	3/4	3,334.79	3/4	3,074.72	3/4	2,813.31	3/4	2,551.78	3/4	2,290.24	3/4	2,028.71	3/4	1,767.18	3/4	1,505.64
8	8	8	3,589.44	8	3,329.37	8	3,069.30	8	2,807.86	8	2,546.33	8	2,284.79	8	2,023.26	8	1,761.73	8	1,500.20
1/4	1/4	1/4	3,584.02	1/4	3,323.95	1/4	3,063.88	1/4	2,802.41	1/4	2,540.88	1/4	2,279.35	1/4	2,017.81	1/4	1,756.28	1/4	1,494.75
1/2	1/2	1/2	3,578.60	1/2	3,318.53	1/2	3,058.46	1/2	2,796.96	1/2	2,535.43	1/2	2,273.90	1/2	2,012.36	1/2	1,750.83	1/2	1,489.30
3/4	3/4	3/4	3,573.18	3/4	3,313.12	3/4	3,053.05	3/4	2,791.51	3/4	2,529.98	3/4	2,268.45	3/4	2,006.92	3/4	1,745.38	3/4	1,483.85
9	9	9	3,567.77	9	3,307.70	9	3,047.60	9	2,786.07	9	2,524.53	9	2,263.00	9	2,001.47	9	1,739.93	9	1,478.40
1/4	1/4	1/4	3,562.35	1/4	3,302.28	1/4	3,042.15	1/4	2,780.62	1/4	2,519.08	1/4	2,257.55	1/4	1,996.02	1/4	1,734.49	1/4	1,472.95
1/2	1/2	1/2	3,556.93	1/2	3,296.86	1/2	3,036.70	1/2	2,775.17	1/2	2,513.64	1/2	2,252.10	1/2	1,990.57	1/2	1,729.04	1/2	1,467.50
3/4	3/4	3/4	3,551.51	3/4	3,291.44	3/4	3,031.25	3/4	2,769.72	3/4	2,508.19	3/4	2,246.65	3/4	1,985.12	3/4	1,723.59	3/4	1,462.06
10	10	10	3,546.09	10	3,286.02	10	3,025.80	10	2,764.27	10	2,502.74	10	2,241.21	10	1,979.67	10	1,718.14	10	1,456.61
1/4	1/4	1/4	3,540.68	1/4	3,280.61	1/4	3,020.35	1/4	2,758.82	1/4	2,497.29	1/4	2,235.76	1/4	1,974.22	1/4	1,712.69	1/4	1,451.16
1/2	1/2	1/2	3,535.26	1/2	3,275.19	1/2	3,014.91	1/2	2,753.37	1/2	2,491.84	1/2	2,230.31	1/2	1,968.78	1/2	1,707.24	1/2	1,445.71
3/4	3/4	3/4	3,529.84	3/4	3,269.77	3/4	3,009.46	3/4	2,747.92	3/4	2,486.39	3/4	2,224.86	3/4	1,963.33	3/4	1,701.79	3/4	1,440.26
11	11	11	3,524.42	11	3,264.35	11	3,004.01	11	2,742.48	11	2,480.94	11	2,219.41	11	1,957.88	11	1,696.35	11	1,434.81
1/4	1/4	1/4	3,519.00	1/4	3,258.93	1/4	2,998.56	1/4	2,737.03	1/4	2,475.49	1/4	2,213.96	1/4	1,952.43	1/4	1,690.90	1/4	1,429.36
1/2	1/2	1/2	3,513.59	1/2	3,253.52	1/2	2,993.11	1/2	2,731.58	1/2	2,470.05	1/2	2,208.51	1/2	1,946.98	1/2	1,685.45	1/2	1,423.92
3/4	3/4	3/4	3,508.17	3/4	3,248.10	3/4	2,987.66	3/4	2,726.13	3/4	2,464.60	3/4	2,203.06	3/4	1,941.53	3/4	1,680.00	3/4	1,418.47

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 APPLIES TO ULLAGE GAUGES TAKEN AT "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC VALVE) LOCATED ON CENTERLINE AND 27'-03" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8" HATCH) LOCATED ON CENTERLINE AND 24'-07" FORWARD OF AFT BULKHEAD

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



BARGE "LB 5"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 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	1,413.02	0	1,151.49	0	889.95	0	629.03	0	368.58	0	107.74	0		0		0		0	
1/4	1,407.57	1/4	1,146.04	1/4	884.50	1/4	623.60	1/4	363.13	1/4	102.75	1/4		1/4		1/4		1/4	
1/2	1,402.12	1/2	1,140.59	1/2	879.06	1/2	618.17	1/2	357.68	1/2	97.76	1/2		1/2		1/2		1/2	
3/4	1,396.67	3/4	1,135.14	3/4	873.61	3/4	612.74	3/4	352.24	3/4	92.78	3/4		3/4		3/4		3/4	
1	1,391.22	1	1,129.69	1	868.16	1	607.29	1	346.79	1	88.23	1		1		1		1	
1/4	1,385.77	1/4	1,124.24	1/4	862.71	1/4	601.84	1/4	341.34	1/4	83.68	1/4		1/4		1/4		1/4	
1/2	1,380.33	1/2	1,118.79	1/2	857.26	1/2	596.40	1/2	335.89	1/2	79.13	1/2		1/2		1/2		1/2	
3/4	1,374.88	3/4	1,113.34	3/4	851.81	3/4	590.95	3/4	330.44	3/4	74.59	3/4		3/4		3/4		3/4	
2	1,369.43	2	1,107.90	2	846.36	2	585.56	2	324.99	2	69.64	2		2		2		2	
1/4	1,363.98	1/4	1,102.45	1/4	840.91	1/4	580.18	1/4	319.54	1/4	64.68	1/4		1/4		1/4		1/4	
1/2	1,358.53	1/2	1,097.00	1/2	835.47	1/2	574.80	1/2	314.09	1/2	59.73	1/2		1/2		1/2		1/2	
3/4	1,353.08	3/4	1,091.55	3/4	830.02	3/4	569.41	3/4	308.64	3/4	54.78	3/4		3/4		3/4		3/4	
3	1,347.63	3	1,086.10	3	824.58	3	564.03	3	303.20	3	49.44	3		3		3		3	
1/4	1,342.19	1/4	1,080.65	1/4	819.15	1/4	558.64	1/4	297.75	1/4	44.11	1/4		1/4		1/4		1/4	
1/2	1,336.74	1/2	1,075.20	1/2	813.71	1/2	553.26	1/2	292.30	1/2	38.77	1/2		1/2		1/2		1/2	
3/4	1,331.29	3/4	1,069.76	3/4	808.27	3/4	547.88	3/4	286.85	3/4	33.43	3/4		3/4		3/4		3/4	
4	1,325.84	4	1,064.31	4	802.84	4	542.49	4	281.40	4	28.90	4		4		4		4	
1/4	1,320.39	1/4	1,058.86	1/4	797.40	1/4	537.11	1/4	275.95	1/4	24.37	1/4		1/4		1/4		1/4	
1/2	1,314.94	1/2	1,053.41	1/2	791.96	1/2	531.72	1/2	270.50	1/2	19.83	1/2		1/2		1/2		1/2	
3/4	1,309.49	3/4	1,047.96	3/4	786.53	3/4	526.34	3/4	265.05	3/4	15.30	3/4		3/4		3/4		3/4	
5	1,304.05	5	1,042.51	5	781.10	5	520.96	5	259.60	5	12.58	5		5		5		5	
1/4	1,298.60	1/4	1,037.06	1/4	775.67	1/4	515.57	1/4	254.16	1/4	9.85	1/4		1/4		1/4		1/4	
1/2	1,293.15	1/2	1,031.62	1/2	770.24	1/2	510.19	1/2	248.71	1/2	7.13	1/2		1/2		1/2		1/2	
3/4	1,287.70	3/4	1,026.17	3/4	764.81	3/4	504.80	3/4	243.26	3/4	4.40	3/4		3/4		3/4		3/4	
6	1,282.25	6	1,020.72	6	759.37	6	499.36	6	237.81	6		6		6		6		6	
1/4	1,276.80	1/4	1,015.27	1/4	753.94	1/4	493.91	1/4	232.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,271.35	1/2	1,009.82	1/2	748.51	1/2	488.46	1/2	226.91	1/2		1/2		1/2		1/2		1/2	
3/4	1,265.91	3/4	1,004.37	3/4	743.08	3/4	483.01	3/4	221.46	3/4		3/4		3/4		3/4		3/4	
7	1,260.46	7	998.92	7	737.65	7	477.56	7	216.01	7		7		7		7		7	
1/4	1,255.01	1/4	993.48	1/4	732.22	1/4	472.11	1/4	210.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,249.56	1/2	988.03	1/2	726.79	1/2	466.66	1/2	205.11	1/2		1/2		1/2		1/2		1/2	
3/4	1,244.11	3/4	982.58	3/4	721.36	3/4	461.21	3/4	199.67	3/4		3/4		3/4		3/4		3/4	
8	1,238.66	8	977.13	8	715.93	8	455.76	8	194.22	8		8		8		8		8	
1/4	1,233.21	1/4	971.68	1/4	710.50	1/4	450.32	1/4	188.77	1/4		1/4		1/4		1/4		1/4	
1/2	1,227.77	1/2	966.23	1/2	705.07	1/2	444.87	1/2	183.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,222.32	3/4	960.78	3/4	699.63	3/4	439.42	3/4	177.87	3/4		3/4		3/4		3/4		3/4	
9	1,216.87	9	955.34	9	694.20	9	433.97	9	172.43	9		9		9		9		9	
1/4	1,211.42	1/4	949.89	1/4	688.77	1/4	428.52	1/4	166.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,205.97	1/2	944.44	1/2	683.34	1/2	423.07	1/2	161.56	1/2		1/2		1/2		1/2		1/2	
3/4	1,200.52	3/4	938.99	3/4	677.91	3/4	417.62	3/4	156.12	3/4		3/4		3/4		3/4		3/4	
10	1,195.07	10	933.54	10	672.48	10	412.17	10	150.69	10		10		10		10		10	
1/4	1,189.63	1/4	928.09	1/4	667.05	1/4	406.72	1/4	145.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,184.18	1/2	922.64	1/2	661.62	1/2	401.28	1/2	139.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,178.73	3/4	917.20	3/4	656.19	3/4	395.83	3/4	134.41	3/4		3/4		3/4		3/4		3/4	
11	1,173.28	11	911.75	11	650.76	11	390.38	11	128.99	11		11		11		11		11	
1/4	1,167.83	1/4	906.30	1/4	645.33	1/4	384.93	1/4	123.57	1/4		1/4		1/4		1/4		1/4	
1/2	1,162.38	1/2	900.85	1/2	639.89	1/2	379.48	1/2	118.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,156.93	3/4	895.40	3/4	634.46	3/4	374.03	3/4	112.73	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 06/16/2017 SW
CALCULATED: 06/16/2017 CL
PRINTED: 06/19/2017 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 06/2017

PRECISION MEASUREMENT
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