BARGE FMT 5070

INNAGE TRIM TABLE (10" HATCH)

	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	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/4	- 10-1/4	12-1/4	- 12-1/4
1 STBD	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/4	- 10-1/4	12-1/4	- 12-1/4
2 PORT	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/4	- 08-1/4	10-1/4	- 10-1/4	12-1/4	- 12-1/4
2 STBD	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/4	- 08-1/4	10-1/4	- 10-1/4	12-1/4	- 12-1/4
3 PORT	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-1/4	12-1/4
3 STBD	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-1/4	12-1/4

(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 1 PORT IS - 04-1/8"
FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-07 7/8"

LENGTH BETWEEN DRAFT MARKS: 234'-03"

April 8, 2016

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

http://www.pmacorp.net

BARGE FMT 5070

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-09 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	0.00	0	5.24	0	269.53	0	621.46	0	982.64	0	1,347.45	0	1,712.32	0	2,077.18	0	2,442.49	0	2,807.81
1/4	0.04	1/4	6.67	1/4	276.40	1/4	628.98	1/4	990.21	1/4	1,355.06	1/4	1,719.90	1/4	2,084.79	1/4	2,450.10	1/4	2,815.42
1/2	0.09	1/2	8.09	1/2	283.28	1/2	636.50	1/2	997.78	1/2	1,362.67	1/2	1,727.47	1/2	2,092.40	1/2	2,457.71	1/2	2,823.03
3/4	0.13	3/4	9.52	3/4	290.15	3/4	644.01	3/4	1,005.34	3/4	1,370.28	3/4	1,735.04	3/4	2,100.01	3/4	2,465.32	3/4	2,830.64
1	0.17	1	10.95	1	297.02	1	651.53	1	1,012.91	1	1,377.89	1	1,742.61	1	2,107.62	1	2,472.94	1	2,838.25
1/4	0.21	1/4	13.73	1/4	303.97	1/4	659.05	1/4	1,020.48	1/4	1,385.50	1/4	1,750.19	1/4	2,115.23	1/4	2,480.55	1/4	2,845.86
1/2	0.26	1/2	16.51	1/2	310.92	1/2	666.56	1/2	1,028.04	1/2	1,393.12	1/2	1,757.76	1/2	2,122.84	1/2	2,488.16	1/2	2,853.47
3/4	0.30	3/4	19.29	3/4	317.86	3/4	674.08	3/4	1,035.61	3/4	1,400.73	3/4	1,765.33	3/4	2,130.45	3/4	2,495.77	3/4	2,861.08
2	0.34	2	22.07	2	324.81	2	681.60	2	1,043.18	2	1,408.34	2	1,772.90	2	2,138.06	2	2,503.38	2	2,868.69
1/4	0.38	1/4	26.20	1/4	331.85	1/4	689.11	1/4	1,050.74	1/4	1,415.95	1/4	1,780.48	1/4	2,145.68	1/4	2,510.99	1/4	2,876.30
1/2	0.43	1/2	30.33	1/2	338.89	1/2	696.63	1/2	1,058.31	1/2	1,423.56	1/2	1,788.05	1/2	2,153.29	1/2	2,518.60	1/2	2,883.91
3/4	0.47	3/4	34.47	3/4	345.94	3/4	704.15	3/4	1,065.88	3/4	1,431.17	3/4	1,795.62	3/4	2,160.90	3/4	2,526.21	3/4	2,891.52
3	0.51	3	38.60	3	352.98	3	711.66	3	1,073.45	3	1,438.78	3	1,803.19	3	2,168.51	3	2,533.82	3	2,899.13
1/4	0.55	1/4	44.09	1/4	360.11	1/4	719.18	1/4	1,081.06	1/4	1,446.39	1/4	1,810.80	1/4	2,176.12	1/4	2,541.43	1/4	2,906.75
1/2	0.60	1/2	49.57	1/2	367.23	1/2	726.70	1/2	1,088.67	1/2	1,454.01	1/2	1,818.42	1/2	2,183.73	1/2	2,549.04	1/2	2,914.36
3/4	0.64	3/4	55.06	3/4	374.36	3/4	734.21	3/4	1,096.28	3/4	1,461.62	3/4	1,826.03	3/4	2,191.34	3/4	2,556.65	3/4	2,921.97
4	0.68	4	60.54	4	381.49	4	741.73	4	1,103.89	4	1,469.23	4	1,833.64	4	2,198.95	4	2,564.26	4	2,929.58
1/4	0.72	1/4	66.71	1/4	388.70	1/4	749.25	1/4	1,111.50	1/4	1,476.84	1/4	1,841.25	1/4	2,206.56	1/4	2,571.87	1/4	2,937.19
1/2	0.77	1/2	72.88	1/2	395.91	1/2	756.76	1/2	1,119.11	1/2	1,484.45	1/2	1,848.86	1/2	2,214.17	1/2	2,579.49	1/2	2,944.80
3/4	0.81	3/4	79.05	3/4	403.12	3/4	764.28	3/4	1,126.72	3/4	1,492.06	3/4	1,856.47	3/4	2,221.78	3/4	2,587.10	3/4	2,952.41
5	0.85	5	85.22	5	410.33	5	771.79	5	1,134.33	5	1,499.67	5	1,864.08	5	2,229.39	5	2,594.71	5	2,960.02
1/4	0.89	1/4	91.49	1/4	417.63	1/4	779.32	1/4	1,141.95	1/4	1,507.28	1/4	1,871.69	1/4	2,237.00	1/4	2,602.32	1/4	2,967.63
1/2	0.94	1/2	97.76	1/2	424.93	1/2	786.84	1/2	1,149.56	1/2	1,514.89	1/2	1,879.30	1/2	2,244.61	1/2	2,609.93	1/2	2,975.24
3/4	0.98	3/4	104.03	3/4	432.22	3/4	794.36	3/4	1,157.17	3/4	1,522.51	3/4	1,886.91	3/4	2,252.23	3/4	2,617.54	3/4	2,982.85
6	1.02	6	110.30	6	439.52	6	801.88	6	1,164.78	6	1,530.12	6	1,894.52	6	2,259.84	6	2,625.15	6	2,990.46
1/4	1.06	1/4	116.66	1/4	447.08	1/4	809.40	1/4	1,172.39	1/4	1,537.73	1/4	1,902.13	1/4	2,267.45	1/4	2,632.76	1/4	2,998.07
1/2	1.11	1/2	123.02	1/2	454.64	1/2	816.92	1/2	1,180.00	1/2	1,545.34	1/2	1,909.74	1/2	2,275.06	1/2	2,640.37	1/2	3,005.68
3/4	1.15	3/4	129.39	3/4	462.19	3/4	824.45	3/4	1,187.61	3/4	1,552.95	3/4	1,917.35	3/4	2,282.67	3/4	2,647.98	3/4	3,013.30
7	1.19	7	135.75	7	469.75	7	831.97	7	1,195.22	7	1,560.56	7	1,924.97	7	2,290.28	7	2,655.59	7	3,020.91
1/4	1.23	1/4	142.20	1/4	477.35	1/4	839.49	1/4	1,202.84	1/4	1,568.17	1/4	1,932.58	1/4	2,297.89	1/4	2,663.20	1/4	3,028.52
1/2	1.28	1/2	148.65	1/2	484.95	1/2	847.01	1/2	1,210.45	1/2	1,575.78	1/2	1,940.19	1/2	2,305.50	1/2	2,670.81	1/2	3,036.13
3/4	1.32	3/4	155.10	3/4	492.55	3/4	854.53	3/4	1,218.06	3/4	1,583.40	3/4	1,947.80	3/4	2,313.11	3/4	2,678.42	3/4	3,043.74
8	1.36	8	161.55	8	500.15	8	862.05	8	1,225.67	8	1,591.01	8	1,955.41	8	2,320.72	8	2,686.04	8	3,051.35
1/4	1.40	1/4	168.26	1/4	507.75	1/4	869.57	1/4	1,233.28	1/4	1,598.62	1/4	1,963.02	1/4	2,328.33	1/4	2,693.65	1/4	3,058.96
1/2	1.45	1/2	174.97	1/2	515.35	1/2	877.10	1/2	1,240.89	1/2	1,606.23	1/2	1,970.63	1/2	2,335.94	1/2	2,701.26	1/2	3,066.57
3/4	1.49	3/4	181.68	3/4	522.95	3/4	884.62	3/4	1,248.50	3/4	1,613.84	3/4	1,978.24	3/4	2,343.55	3/4	2,708.87	3/4	3,074.18
9	1.53	9	188.39	9	530.55	9	892.14	9	1,256.11	9	1,621.45	9	1,985.85	9	2,351.16	9	2,716.48	9	3,081.79
1/4	1.57	1/4	195.18	1/4	538.15	1/4	899.67	1/4	1,263.73	1/4	1,629.02	1/4	1,993.46	1/4	2,358.78	1/4	2,724.09	1/4	3,089.40
1/2	1.62	1/2	201.98	1/2	545.75	1/2	907.20	1/2	1,271.34	1/2	1,636.60	1/2	2,001.07	1/2	2,366.39	1/2	2,731.70	1/2	3,097.01
3/4	1.66	3/4	208.77	3/4	553.35	3/4	914.73	3/4	1,278.95	3/4	1,644.17	3/4	2,008.68	3/4	2,374.00	3/4	2,739.31	3/4	3,104.62
10	1.70	10	215.57	10	560.95	10	922.26	10	1,286.56	10	1,651.74	10	2,016.29	10	2,381.61	10	2,746.92	10	3,112.23
1/4	2.34	1/4	222.27	1/4	568.56	1/4	929.79	1/4	1,294.17	1/4	1,659.31	1/4	2,023.90	1/4	2,389.22	1/4	2,754.53	1/4	3,119.85
1/2	2.97	1/2	228.97	1/2	576.17	1/2	937.32	1/2	1,301.78	1/2	1,666.89	1/2	2,031.52	1/2	2,396.83	1/2	2,762.14	1/2	3,127.46
3/4	3.61	3/4	235.68	3/4	583.79	3/4	944.85	3/4	1,309.39	3/4	1,674.46	3/4	2,039.13	3/4	2,404.44	3/4	2,769.75	3/4	3,135.07
11	4.24	11	242.38	11	591.40	11	952.38	11	1,317.00	11	1,682.03	11	2,046.74	11	2,412.05	11	2,777.36	11	3,142.68
1/4	4.49	1/4	249.17	1/4	598.91	1/4	959.94	1/4	1,324.61	1/4	1,689.61	1/4	2,054.35	1/4	2,419.66	1/4	2,784.97	1/4	3,150.29
1/2	4.74	1/2	255.96	1/2	606.43	1/2	967.51	1/2	1,332.23	1/2	1,697.18	1/2	2,061.96	1/2	2,427.27	1/2	2,792.59	1/2	3,157.90
3/4	4.99	3/4	262.74	3/4	613.95	3/4	975.08	3/4	1,339.84	3/4	1,704.75	3/4	2,069.57	3/4	2,434.88	3/4	2,800.20	3/4	3,165.51

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE FMT 5070

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,173.12	0	3,538.43	0	3,903.75	0	4,266.79	0	4,613.23	0	4,940.80	0	5,183.06	0		0		0	
1/4	3,180.73	1/4	3,546.04	1/4	3,911.36	1/4	4,274.20	1/4	4,620.23	1/4	4,948.39	1/4		1/4		1/4		1/4	
1/2	3,188.34	1/2	3,553.66	1/2	3,918.97	1/2	4,281.60	1/2	4,627.23	1/2	4,955.97	1/2		1/2		1/2		1/2	
3/4	3,195.95	3/4	3,561.27	3/4	3,926.58	3/4	4,289.00	3/4	4,634.23	3/4	4,963.56	3/4		3/4		3/4		3/4	
1	3,203.56	1	3,568.88	1	3,934.19	1	4,296.41	1	4,641.23	1	4,971.15	1		1		1		1	
1/4	3,211.17	1/4	3,576.49	1/4	3,941.80	1/4	4,303.78	1/4	4,648.20	1/4	4,978.74	1/4		1/4		1/4		1/4	
1/2	3,218.78	1/2	3,584.10	1/2	3,949.41	1/2	4,311.15	1/2	4,655.17	1/2	4,986.32	1/2		1/2		1/2		1/2	
3/4	3,226.39	3/4	3,591.71	3/4	3,957.02	3/4	4,318.52	3/4	4,662.13	3/4	4,993.91	3/4		3/4		3/4		3/4	
2	3,234.01	2	3,599.32	2	3,964.63	2	4,325.90	2	4,669.10	2	5,001.50	2		2		2		2	
1/4	3,241.62	1/4	3,606.93	1/4	3,972.24	1/4	4,333.24	1/4	4,676.04	1/4	5,009.07	1/4		1/4		1/4		1/4	
1/2	3,249.23	1/2	3,614.54	1/2	3,979.85	1/2	4,340.58	1/2	4,682.97	1/2	5,016.65	1/2		1/2		1/2		1/2	
3/4	3,256.84	3/4	3,622.15	3/4	3,987.46	3/4	4,347.92	3/4	4,689.91	3/4	5,024.23	3/4		3/4		3/4		3/4	
3	3,264.45	3	3,629.76	3	3,995.08	3	4,355.26	3	4,696.84	3	5,031.81	3		3		3		3	
1/4	3,272.06	1/4	3,637.37	1/4	4,002.69	1/4	4,362.56	1/4	4,703.75	1/4	5,039.36	1/4		1/4		1/4		1/4	
1/2	3,279.67	1/2	3,644.98	1/2	4,010.30	1/2	4,369.87	1/2	4,710.65	1/2	5,046.92	1/2		1/2		1/2		1/2	
3/4	3,287.28	3/4	3,652.59	3/4	4,017.91	3/4	4,377.18	3/4	4,717.56	3/4	5,054.47	3/4		3/4		3/4		3/4	
4	3,294.89	4	3,660.20	4	4,025.52	4	4,384.49	4	4,724.46	4	5,062.03	4		4		4		4	
1/4	3,302.50	1/4	3,667.82	1/4	4,033.13	1/4	4,391.77	1/4	4,731.33	1/4	5,069.14	1/4		1/4		1/4		1/4	
1/2	3,310.11	1/2	3,675.43	1/2	4,040.74	1/2	4,399.04	1/2	4,738.20	1/2	5,076.25	1/2		1/2		1/2		1/2	
3/4	3,317.72	3/4	3,683.04	3/4	4,048.35	3/4	4,406.32	3/4	4,745.08	3/4	5,083.36	3/4		3/4		3/4		3/4	
5	3,325.33	5	3,690.65	5	4,055.96	5	4,413.59	5	4,751.95	5	5,090.47	5		5		5		5	
1/4	3,332.94	1/4	3,698.26	1/4	4,063.57	1/4	4,420.84	1/4	4,758.79	1/4	5,096.63	1/4		1/4		1/4		1/4	
1/2	3,340.56	1/2	3,705.87	1/2	4,071.18	1/2	4,428.08	1/2	4,765.63	1/2	5,102.79	1/2		1/2		1/2		1/2	
3/4	3,348.17	3/4	3,713.48	3/4	4,078.79	3/4	4,435.33	3/4	4,772.47	3/4	5,108.95	3/4		3/4		3/4		3/4	
6	3,355.78	6	3,721.09	6	4,086.40	6	4,442.57	6	4,779.31	6	5,115.11	6		6		6		6	
1/4	3,363.39	1/4	3,728.70	1/4	4,094.00	1/4	4,449.76	1/4	4,786.12	1/4	5,120.32	1/4		1/4		1/4		1/4	
1/2	3,371.00	1/2	3,736.31	1/2	4,101.61	1/2	4,456.95	1/2	4,792.93	1/2	5,125.53	1/2		1/2		1/2		1/2	
3/4	3,378.61	3/4	3,743.92	3/4	4,109.21	3/4	4,464.14	3/4	4,799.73	3/4	5,130.74	3/4		3/4		3/4		3/4	
7	3,386.22	7	3,751.53	7	4,116.81	7	4,471.33	7	4,806.54	7	5,135.95	7		7		7		7	
1/4	3,393.83	1/4	3,759.14	1/4	4,124.37	1/4	4,478.49	1/4	4,813.32	1/4	5,140.21	1/4		1/4		1/4		1/4	
1/2	3,401.44	1/2	3,766.75	1/2	4,131.93	1/2	4,485.65	1/2	4,820.09	1/2	5,144.47	1/2		1/2		1/2		1/2	
3/4	3,409.05	3/4	3,774.37	3/4	4,139.50	3/4	4,492.81	3/4	4,826.87	3/4	5,148.73	3/4		3/4		3/4		3/4	
8	3,416.66	8	3,781.98	8	4,147.06	8	4,499.97	8	4,833.65	8	5,152.99	8		8		8		8	
1/4	3,424.27	1/4	3,789.59	1/4	4,154.59	1/4	4,507.10	1/4	4,840.39	1/4	5,156.29	1/4		1/4		1/4		1/4	
1/2	3,431.88	1/2	3,797.20	1/2	4,162.12	1/2	4,514.22	1/2	4,847.14	1/2	5,159.60	1/2		1/2		1/2		1/2	
3/4	3,439.49	3/4	3,804.81	3/4	4,169.65	3/4	4,521.35	3/4	4,853.88	3/4	5,162.91	3/4		3/4		3/4		3/4	
9	3,447.11	9	3,812.42	9	4,177.18	9	4,528.48	9	4,860.63	9	5,166.22	9		9		9		9	
1/4	3,454.72	1/4	3,820.03	1/4	4,184.68	1/4	4,535.57	1/4	4,867.34	1/4	5,168.57	1/4		1/4		1/4		1/4	
1/2	3,462.33	1/2	3,827.64	1/2	4,192.18	1/2	4,542.67	1/2	4,874.05	1/2	5,170.93	1/2		1/2		1/2		1/2	
3/4	3,469.94	3/4	3,835.25	3/4	4,199.68	3/4	4,549.76	3/4	4,880.76	3/4	5,173.28	3/4		3/4		3/4		3/4	
10	3,477.55	10	3,842.86	10	4,207.18	10	4,556.86	10	4,887.48	10	5,175.64	10		10		10		10	
1/4	3,485.16	1/4	3,850.47	1/4	4,214.65	1/4	4,563.92	1/4	4,894.16	1/4	5,177.04	1/4		1/4		1/4		1/4	
1/2	3,492.77	1/2	3,858.08	1/2	4,222.12	1/2	4,570.98	1/2	4,900.84	1/2	5,178.45	1/2		1/2		1/2		1/2	
3/4	3,500.38	3/4	3,865.69	3/4	4,229.58	3/4	4,578.05	3/4	4,907.52	3/4	5,179.85	3/4		3/4		3/4		3/4	
11	3,507.99	11	3,873.30	11	4,237.05	11	4,585.11	11	4,914.20	11	5,181.25	11		11		11		11	
1/4	3,515.60	1/4	3,880.92	1/4	4,244.49	1/4	4,592.14	1/4	4,920.85	1/4	5,181.71	1/4		1/4		1/4		1/4	
1/2	3,523.21	1/2	3,888.53	1/2	4,251.92	1/2	4,599.17	1/2	4,927.50	1/2	5,182.16	1/2		1/2		1/2		1/2	
3/4	3,530.82	3/4	3,896.14	3/4	4,259.36	3/4	4,606.20	3/4	4,934.15	3/4	5,182.61	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
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BARGE FMT 5070

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

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	0.00	0	5.24	0	269.50	0	621.46	0	984.60	0	1,349.76	0	1,714.45	0	2,079.14	0	2,444.28	0	2,809.42
1/4	0.04	1/4	6.67	1/4	276.37	1/4	629.01	1/4	992.20	1/4	1,357.36	1/4	1,722.02	1/4	2,086.74	1/4	2,451.89	1/4	2,817.03
1/2	0.09	1/2	8.10	1/2	283.24	1/2	636.57	1/2	999.81	1/2	1,364.97	1/2	1,729.59	1/2	2,094.35	1/2	2,459.49	1/2	2,824.63
3/4	0.13	3/4	9.53	3/4	290.11	3/4	644.13	3/4	1,007.42	3/4	1,372.58	3/4	1,737.16	3/4	2,101.96	3/4	2,467.10	3/4	2,832.24
1	0.17	1	10.96	1	296.98	1	651.69	1	1,015.03	1	1,380.19	1	1,744.73	1	2,109.57	1	2,474.71	1	2,839.85
1/4	0.21	1/4	13.74	1/4	303.93	1/4	659.24	1/4	1,022.63	1/4	1,387.79	1/4	1,752.30	1/4	2,117.17	1/4	2,482.31	1/4	2,847.45
1/2	0.26	1/2	16.52	1/2	310.87	1/2	666.80	1/2	1,030.24	1/2	1,395.40	1/2	1,759.87	1/2	2,124.78	1/2	2,489.92	1/2	2,855.06
3/4	0.30	3/4	19.30	3/4	317.81	3/4	674.36	3/4	1,037.85	3/4	1,403.01	3/4	1,767.44	3/4	2,132.39	3/4	2,497.53	3/4	2,862.67
2	0.34	2	22.08	2	324.76	2	681.92	2	1,045.46	2	1,410.62	2	1,775.01	2	2,139.99	2	2,505.13	2	2,870.28
1/4	0.38	1/4	26.22	1/4	331.80	1/4	689.47	1/4	1,053.06	1/4	1,418.22	1/4	1,782.57	1/4	2,147.60	1/4	2,512.74	1/4	2,877.88
1/2	0.43	1/2	30.35	1/2	338.84	1/2	697.03	1/2	1,060.67	1/2	1,425.83	1/2	1,790.14	1/2	2,155.21	1/2	2,520.35	1/2	2,885.49
3/4	0.47	3/4	34.49	3/4	345.88	3/4	704.59	3/4	1,068.28	3/4	1,433.44	3/4	1,797.71	3/4	2,162.82	3/4	2,527.96	3/4	2,893.10
3	0.51	3	38.62	3	352.92	3	712.14	3	1,075.89	3	1,441.05	3	1,805.28	3	2,170.42	3	2,535.56	3	2,900.70
1/4	0.55	1/4	44.10	1/4	360.04	1/4	719.70	1/4	1,083.49	1/4	1,448.65	1/4	1,812.89	1/4	2,178.03	1/4	2,543.17	1/4	2,908.31
1/2	0.60	1/2	49.59	1/2	367.17	1/2	727.26	1/2	1,091.10	1/2	1,456.26	1/2	1,820.50	1/2	2,185.64	1/2	2,550.78	1/2	2,915.92
3/4	0.64	3/4	55.07	3/4	374.29	3/4	734.82	3/4	1,098.71	3/4	1,463.87	3/4	1,828.10	3/4	2,193.24	3/4	2,558.38	3/4	2,923.53
4	0.68	4	60.56	4	381.41	4	742.37	4	1,106.32	4	1,471.48	4	1,835.71	4	2,200.85	4	2,565.99	4	2,931.13
1/4	0.72	1/4	66.73	1/4	388.62	1/4	749.93	1/4	1,113.92	1/4	1,479.08	1/4	1,843.32	1/4	2,208.46	1/4	2,573.60	1/4	2,938.74
1/2	0.77	1/2	72.90	1/2	395.83	1/2	757.49	1/2	1,121.53	1/2	1,486.69	1/2	1,850.92	1/2	2,216.07	1/2	2,581.21	1/2	2,946.35
3/4	0.81	3/4	79.06	3/4	403.04	3/4	765.05	3/4	1,129.14	3/4	1,494.30	3/4	1,858.53	3/4	2,223.67	3/4	2,588.81	3/4	2,953.95
5	0.85	5	85.23	5	410.25	5	772.60	5	1,136.75	5	1,501.91	5	1,866.14	5	2,231.28	5	2,596.42	5	2,961.56
1/4	0.89	1/4	91.50	1/4	417.54	1/4	780.17	1/4	1,144.35	1/4	1,509.51	1/4	1,873.75	1/4	2,238.89	1/4	2,604.03	1/4	2,969.17
1/2	0.94	1/2	97.77	1/2	424.84	1/2	787.73	1/2	1,151.96	1/2	1,517.12	1/2	1,881.35	1/2	2,246.49	1/2	2,611.63	1/2	2,976.78
3/4	0.98	3/4	104.04	3/4	432.13	3/4	795.29	3/4	1,159.57	3/4	1,524.73	3/4	1,888.96	3/4	2,254.10	3/4	2,619.24	3/4	2,984.38
6	1.02	6	110.31	6	439.42	6	802.85	6	1,167.18	6	1,532.34	6	1,896.57	6	2,261.71	6	2,626.85	6	2,991.99
1/4	1.06	1/4	116.67	1/4	446.98	1/4	810.42	1/4	1,174.78	1/4	1,539.94	1/4	1,904.17	1/4	2,269.31	1/4	2,634.46	1/4	2,999.60
1/2	1.11	1/2	123.03	1/2	454.53	1/2	817.98	1/2	1,182.39	1/2	1,547.55	1/2	1,911.78	1/2	2,276.92	1/2	2,642.06	1/2	3,007.20
3/4	1.15	3/4	129.39	3/4	462.09	3/4	825.54	3/4	1,190.00	3/4	1,555.16	3/4	1,919.39	3/4	2,284.53	3/4	2,649.67	3/4	3,014.81
7	1.19	7	135.75	7	469.64	7	833.10	7	1,197.61	7	1,562.77	7	1,927.00	7	2,292.14	7	2,657.28	7	3,022.42
1/4	1.23	1/4	142.20	1/4	477.24	1/4	840.66	1/4	1,205.21	1/4	1,570.37	1/4	1,934.60	1/4	2,299.74	1/4	2,664.88	1/4	3,030.02
1/2	1.28	1/2	148.65	1/2	484.83	1/2	848.23	1/2	1,212.82	1/2	1,577.98	1/2	1,942.21	1/2	2,307.35	1/2	2,672.49	1/2	3,037.63
3/4	1.32	3/4	155.10	3/4	492.43	3/4	855.79	3/4	1,220.43	3/4	1,585.59	3/4	1,949.82	3/4	2,314.96	3/4	2,680.10	3/4	3,045.24
8	1.36	8	161.54	8	500.03	8	863.35	8	1,228.04	8	1,593.20	8	1,957.42	8	2,322.56	8	2,687.71	8	3,052.85
1/4	1.40	1/4	168.25	1/4	507.62	1/4	870.91	1/4	1,235.64	1/4	1,600.80	1/4	1,965.03	1/4	2,330.17	1/4	2,695.31	1/4	3,060.45
1/2	1.44	1/2	174.96	1/2	515.22	1/2	878.48	1/2	1,243.25	1/2	1,608.41	1/2	1,972.64	1/2	2,337.78	1/2	2,702.92	1/2	3,068.06
3/4	1.49	3/4	181.67	3/4	522.81	3/4	886.04	3/4	1,250.86	3/4	1,616.02	3/4	1,980.24	3/4	2,345.39	3/4	2,710.53	3/4	3,075.67
9	1.53	9	188.38	9	530.41	9	893.60	9	1,258.47	9	1,623.63	9	1,987.85	9	2,352.99	9	2,718.13	9	3,083.27
1/4	1.57	1/4	195.17	1/4	538.01	1/4	901.17	1/4	1,266.07	1/4	1,631.19	1/4	1,995.46	1/4	2,360.60	1/4	2,725.74	1/4	3,090.88
1/2	1.61	1/2	201.96	1/2	545.60	1/2	908.74	1/2	1,273.68	1/2	1,638.76	1/2	2,003.07	1/2	2,368.21	1/2	2,733.35	1/2	3,098.49
3/4	1.66	3/4	208.76	3/4	553.20	3/4	916.31	3/4	1,281.29	3/4	1,646.33	3/4	2,010.67	3/4	2,375.81	3/4	2,740.95	3/4	3,106.10
10	1.70	10	215.55	10	560.80	10	923.88	10	1,288.90	10	1,653.90	10	2,018.28	10	2,383.42	10	2,748.56	10	3,113.70
1/4	2.33	1/4	222.25	1/4	568.40	1/4	931.45	1/4	1,296.50	1/4	1,661.47	1/4	2,025.89	1/4	2,391.03	1/4	2,756.17	1/4	3,121.31
1/2	2.97	1/2	228.95	1/2	576.01	1/2	939.02	1/2	1,304.11	1/2	1,669.04	1/2	2,033.49	1/2	2,398.64	1/2	2,763.78	1/2	3,128.92
3/4	3.60	3/4	235.65	3/4	583.62	3/4	946.60	3/4	1,311.72	3/4	1,676.61	3/4	2,041.10	3/4	2,406.24	3/4	2,771.38	3/4	3,136.52
11	4.24	11	242.35	11	591.23	11	954.17	11	1,319.33	11	1,684.18	11	2,048.71	11	2,413.85	11	2,778.99	11	3,144.13
1/4	4.49	1/4	249.14	1/4	598.78	1/4	961.77	1/4	1,326.93	1/4	1,691.75	1/4	2,056.32	1/4	2,421.46	1/4	2,786.60	1/4	3,151.74
1/2	4.74	1/2	255.93	1/2	606.34	1/2	969.38	1/2	1,334.54	1/2	1,699.32	1/2	2,063.92	1/2	2,429.06	1/2	2,794.20	1/2	3,159.35
3/4	4.99	3/4	262.71	3/4	613.90	3/4	976.99	3/4	1,342.15	3/4	1,706.88	3/4	2,071.53	3/4	2,436.67	3/4	2,801.81	3/4	3,166.95

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

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

BARGE FMT 5070

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,174.56	0	3,539.70	0	3,904.84	0	4,267.69	0	4,613.99	0	4,941.45	0	5,183.61	0		0		0	
1/4	3,182.17	1/4	3,547.31	1/4	3,912.45	1/4	4,275.09	1/4	4,620.98	1/4	4,949.03	1/4		1/4		1/4		1/4	
1/2	3,189.77	1/2	3,554.91	1/2	3,920.06	1/2	4,282.49	1/2	4,627.98	1/2	4,956.62	1/2		1/2		1/2		1/2	
3/4	3,197.38	3/4	3,562.52	3/4	3,927.66	3/4	4,289.89	3/4	4,634.98	3/4	4,964.20	3/4		3/4		3/4		3/4	
1	3,204.99	1	3,570.13	1	3,935.27	1	4,297.29	1	4,641.97	1	4,971.79	1		1		1		1	
1/4	3,212.60	1/4	3,577.74	1/4	3,942.88	1/4	4,304.66	1/4	4,648.94	1/4	4,979.37	1/4		1/4		1/4		1/4	
1/2	3,220.20	1/2	3,585.34	1/2	3,950.48	1/2	4,312.03	1/2	4,655.90	1/2	4,986.96	1/2		1/2		1/2		1/2	
3/4	3,227.81	3/4	3,592.95	3/4	3,958.09	3/4	4,319.39	3/4	4,662.87	3/4	4,994.54	3/4		3/4		3/4		3/4	
2	3,235.42	2	3,600.56	2	3,965.70	2	4,326.76	2	4,669.83	2	5,002.12	2		2		2		2	
1/4	3,243.02	1/4	3,608.16	1/4	3,973.31	1/4	4,334.10	1/4	4,676.77	1/4	5,009.70	1/4		1/4		1/4		1/4	
1/2	3,250.63	1/2	3,615.77	1/2	3,980.91	1/2	4,341.44	1/2	4,683.70	1/2	5,017.27	1/2		1/2		1/2		1/2	
3/4	3,258.24	3/4	3,623.38	3/4	3,988.52	3/4	4,348.77	3/4	4,690.63	3/4	5,024.85	3/4		3/4		3/4		3/4	
3	3,265.84	3	3,630.99	3	3,996.13	3	4,356.11	3	4,697.57	3	5,032.42	3		3		3		3	
1/4	3,273.45	1/4	3,638.59	1/4	4,003.73	1/4	4,363.42	1/4	4,704.47	1/4	5,039.97	1/4		1/4		1/4		1/4	
1/2	3,281.06	1/2	3,646.20	1/2	4,011.34	1/2	4,370.72	1/2	4,711.37	1/2	5,047.52	1/2		1/2		1/2		1/2	
3/4	3,288.67	3/4	3,653.81	3/4	4,018.95	3/4	4,378.03	3/4	4,718.27	3/4	5,055.08	3/4		3/4		3/4		3/4	
4	3,296.27	4	3,661.41	4	4,026.55	4	4,385.33	4	4,725.17	4	5,062.63	4		4		4		4	
1/4	3,303.88	1/4	3,669.02	1/4	4,034.16	1/4	4,392.60	1/4	4,732.04	1/4	5,069.73	1/4		1/4		1/4		1/4	
1/2	3,311.49	1/2	3,676.63	1/2	4,041.77	1/2	4,399.88	1/2	4,738.91	1/2	5,076.84	1/2		1/2		1/2		1/2	
3/4	3,319.09	3/4	3,684.24	3/4	4,049.38	3/4	4,407.15	3/4	4,745.78	3/4	5,083.95	3/4		3/4		3/4		3/4	
5	3,326.70	5	3,691.84	5	4,056.98	5	4,414.42	5	4,752.65	5	5,091.05	5		5		5		5	
1/4	3,334.31	1/4	3,699.45	1/4	4,064.59	1/4	4,421.67	1/4	4,759.49	1/4	5,097.21	1/4		1/4		1/4		1/4	
1/2	3,341.92	1/2	3,707.06	1/2	4,072.20	1/2	4,428.91	1/2	4,766.33	1/2	5,103.37	1/2		1/2		1/2		1/2	
3/4	3,349.52	3/4	3,714.66	3/4	4,079.80	3/4	4,436.15	3/4	4,773.17	3/4	5,109.53	3/4		3/4		3/4		3/4	
6	3,357.13	6	3,722.27	6	4,087.41	6	4,443.39	6	4,780.01	6	5,115.69	6		6		6		6	
1/4	3,364.74	1/4	3,729.88	1/4	4,095.00	1/4	4,450.58	1/4	4,786.81	1/4	5,120.90	1/4		1/4		1/4		1/4	
1/2	3,372.34	1/2	3,737.49	1/2	4,102.59	1/2	4,457.77	1/2	4,793.62	1/2	5,126.10	1/2		1/2		1/2		1/2	
3/4	3,379.95	3/4	3,745.09	3/4	4,110.18	3/4	4,464.95	3/4	4,800.42	3/4	5,131.31	3/4		3/4		3/4		3/4	
7	3,387.56	7	3,752.70	7	4,117.77	7	4,472.14	7	4,807.23	7	5,136.52	7		7		7		7	
1/4	3,395.17	1/4	3,760.31	1/4	4,125.33	1/4	4,479.30	1/4	4,814.00	1/4	5,140.77	1/4		1/4		1/4		1/4	
1/2	3,402.77	1/2	3,767.91	1/2	4,132.89	1/2	4,486.45	1/2	4,820.78	1/2	5,145.03	1/2		1/2		1/2		1/2	
3/4	3,410.38	3/4	3,775.52	3/4	4,140.45	3/4	4,493.61	3/4	4,827.55	3/4	5,149.29	3/4		3/4		3/4		3/4	
8	3,417.99	8	3,783.13	8	4,148.01	8	4,500.76	8	4,834.33	8	5,153.54	8		8		8		8	
1/4	3,425.59	1/4	3,790.73	1/4	4,155.53	1/4	4,507.89	1/4	4,841.07	1/4	5,156.85	1/4		1/4		1/4		1/4	
1/2	3,433.20	1/2	3,798.34	1/2	4,163.06	1/2	4,515.01	1/2	4,847.81	1/2	5,160.15	1/2		1/2		1/2		1/2	
3/4	3,440.81	3/4	3,805.95	3/4	4,170.59	3/4	4,522.14	3/4	4,854.56	3/4	5,163.46	3/4		3/4		3/4		3/4	
9	3,448.42	9	3,813.56	9	4,178.12	9	4,529.26	9	4,861.30	9	5,166.76	9		9		9		9	
1/4	3,456.02	1/4	3,821.16	1/4	4,185.61	1/4	4,536.35	1/4	4,868.01	1/4	5,169.12	1/4		1/4		1/4		1/4	
1/2	3,463.63	1/2	3,828.77	1/2	4,193.11	1/2	4,543.45	1/2	4,874.72	1/2	5,171.47	1/2		1/2		1/2		1/2	
3/4	3,471.24	3/4	3,836.38	3/4	4,200.60	3/4	4,550.54	3/4	4,881.43	3/4	5,173.83	3/4		3/4		3/4		3/4	
10	3,478.84	10	3,843.98	10	4,208.10	10	4,557.63	10	4,888.14	10	5,176.18	10		10		10		10	
1/4	3,486.45	1/4	3,851.59	1/4	4,215.56	1/4	4,564.69	1/4	4,894.82	1/4	5,177.59	1/4		1/4		1/4		1/4	
1/2	3,494.06	1/2	3,859.20	1/2	4,223.03	1/2	4,571.75	1/2	4,901.50	1/2	5,178.99	1/2		1/2		1/2		1/2	
3/4	3,501.66	3/4	3,866.81	3/4	4,230.49	3/4	4,578.81	3/4	4,908.18	3/4	5,180.39	3/4		3/4		3/4		3/4	
11	3,509.27	11	3,874.41	11	4,237.96	11	4,585.87	11	4,914.86	11	5,181.80	11		11		11		11	
1/4	3,516.88	1/4	3,882.02	1/4	4,245.39	1/4	4,592.90	1/4	4,921.51	1/4	5,182.25	1/4		1/4		1/4		1/4	
1/2	3,524.49	1/2	3,889.63	1/2	4,252.82	1/2	4,599.93	1/2	4,928.15	1/2	5,182.70	1/2		1/2		1/2		1/2	
3/4	3,532.09	3/4	3,897.23	3/4	4,260.25	3/4	4,606.96	3/4	4,934.80	3/4	5,183.15	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
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BARGE FMT 5070

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

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	0.00	0	11.88	0	329.98	0	689.89	0	1,035.81	0	1,397.56	0	1,761.93	0	2,126.27	0	2,492.62	0	2,858.96
1/4	0.04	1/4	14.88	1/4	337.42	1/4	697.09	1/4	1,043.05	1/4	1,405.20	1/4	1,769.39	1/4	2,133.90	1/4	2,500.25	1/4	2,866.60
1/2	0.09	1/2	17.88	1/2	344.87	1/2	704.29	1/2	1,050.30	1/2	1,412.83	1/2	1,776.86	1/2	2,141.54	1/2	2,507.88	1/2	2,874.23
3/4	0.13	3/4	20.89	3/4	352.31	3/4	711.48	3/4	1,057.55	3/4	1,420.46	3/4	1,784.32	3/4	2,149.17	3/4	2,515.51	3/4	2,881.86
1	0.17	1	23.89	1	359.76	1	718.68	1	1,064.80	1	1,428.09	1	1,791.79	1	2,156.80	1	2,523.15	1	2,889.49
1/4	0.21	1/4	28.17	1/4	367.19	1/4	725.88	1/4	1,072.05	1/4	1,435.73	1/4	1,799.25	1/4	2,164.43	1/4	2,530.78	1/4	2,897.12
1/2	0.26	1/2	32.44	1/2	374.63	1/2	733.08	1/2	1,079.30	1/2	1,443.36	1/2	1,806.72	1/2	2,172.07	1/2	2,538.41	1/2	2,904.76
3/4	0.30	3/4	36.72	3/4	382.06	3/4	740.28	3/4	1,086.55	3/4	1,450.99	3/4	1,814.19	3/4	2,179.70	3/4	2,546.04	3/4	2,912.39
2	0.34	2	41.00	2	389.50	2	747.48	2	1,093.79	2	1,458.62	2	1,821.65	2	2,187.33	2	2,553.68	2	2,920.02
1/4	0.38	1/4	46.54	1/4	396.94	1/4	754.68	1/4	1,101.04	1/4	1,466.26	1/4	1,829.12	1/4	2,194.96	1/4	2,561.31	1/4	2,927.65
1/2	0.43	1/2	52.09	1/2	404.39	1/2	761.87	1/2	1,108.29	1/2	1,473.89	1/2	1,836.58	1/2	2,202.59	1/2	2,568.94	1/2	2,935.29
3/4	0.47	3/4	57.64	3/4	411.83	3/4	769.07	3/4	1,115.54	3/4	1,481.52	3/4	1,844.05	3/4	2,210.23	3/4	2,576.57	3/4	2,942.92
3	0.51	3	63.19	3	419.28	3	776.27	3	1,122.79	3	1,489.15	3	1,851.51	3	2,217.86	3	2,584.20	3	2,950.55
1/4	0.55	1/4	70.01	1/4	426.72	1/4	783.47	1/4	1,130.42	1/4	1,496.79	1/4	1,859.15	1/4	2,225.49	1/4	2,591.84	1/4	2,958.18
1/2	0.60	1/2	76.83	1/2	434.17	1/2	790.67	1/2	1,138.05	1/2	1,504.42	1/2	1,866.78	1/2	2,233.12	1/2	2,599.47	1/2	2,965.81
3/4	0.64	3/4	83.64	3/4	441.61	3/4	797.87	3/4	1,145.69	3/4	1,512.05	3/4	1,874.41	3/4	2,240.76	3/4	2,607.10	3/4	2,973.45
4	0.68	4	90.46	4	449.06	4	805.07	4	1,153.32	4	1,519.68	4	1,882.04	4	2,248.39	4	2,614.73	4	2,981.08
1/4	0.72	1/4	97.88	1/4	456.50	1/4	812.26	1/4	1,160.95	1/4	1,527.32	1/4	1,889.67	1/4	2,256.02	1/4	2,622.37	1/4	2,988.71
1/2	0.77	1/2	105.30	1/2	463.95	1/2	819.46	1/2	1,168.59	1/2	1,534.95	1/2	1,897.31	1/2	2,263.65	1/2	2,630.00	1/2	2,996.34
3/4	0.81	3/4	112.72	3/4	471.39	3/4	826.66	3/4	1,176.22	3/4	1,542.58	3/4	1,904.94	3/4	2,271.28	3/4	2,637.63	3/4	3,003.98
5	0.85	5	120.14	5	478.84	5	833.86	5	1,183.85	5	1,550.22	5	1,912.57	5	2,278.92	5	2,645.26	5	3,011.61
1/4	0.89	1/4	127.58	1/4	486.28	1/4	841.06	1/4	1,191.48	1/4	1,557.85	1/4	1,920.20	1/4	2,286.55	1/4	2,652.89	1/4	3,019.24
1/2	0.94	1/2	135.01	1/2	493.73	1/2	848.27	1/2	1,199.12	1/2	1,565.48	1/2	1,927.84	1/2	2,294.18	1/2	2,660.53	1/2	3,026.87
3/4	0.98	3/4	142.45	3/4	501.17	3/4	855.47	3/4	1,206.75	3/4	1,573.11	3/4	1,935.47	3/4	2,301.81	3/4	2,668.16	3/4	3,034.50
6	1.02	6	149.88	6	508.62	6	862.67	6	1,214.38	6	1,580.75	6	1,943.10	6	2,309.45	6	2,675.79	6	3,042.14
1/4	1.06	1/4	157.33	1/4	516.24	1/4	869.88	1/4	1,222.01	1/4	1,588.38	1/4	1,950.73	1/4	2,317.08	1/4	2,683.42	1/4	3,049.77
1/2	1.11	1/2	164.77	1/2	523.86	1/2	877.08	1/2	1,229.65	1/2	1,596.01	1/2	1,958.36	1/2	2,324.71	1/2	2,691.06	1/2	3,057.40
3/4	1.15	3/4	172.22	3/4	531.48	3/4	884.28	3/4	1,237.28	3/4	1,603.64	3/4	1,966.00	3/4	2,332.34	3/4	2,698.69	3/4	3,065.03
7	1.19	7	179.66	7	539.11	7	891.49	7	1,244.91	7	1,611.28	7	1,973.63	7	2,339.97	7	2,706.32	7	3,072.67
1/4	1.23	1/4	187.11	1/4	546.73	1/4	898.69	1/4	1,252.54	1/4	1,618.91	1/4	1,981.26	1/4	2,347.61	1/4	2,713.95	1/4	3,080.30
1/2	1.28	1/2	194.55	1/2	554.35	1/2	905.89	1/2	1,260.18	1/2	1,626.54	1/2	1,988.89	1/2	2,355.24	1/2	2,721.58	1/2	3,087.93
3/4	1.32	3/4	202.00	3/4	561.97	3/4	913.10	3/4	1,267.81	3/4	1,634.17	3/4	1,996.53	3/4	2,362.87	3/4	2,729.22	3/4	3,095.56
8	1.36	8	209.44	8	569.59	8	920.30	8	1,275.44	8	1,641.81	8	2,004.16	8	2,370.50	8	2,736.85	8	3,103.19
1/4	1.40	1/4	217.06	1/4	577.21	1/4	927.50	1/4	1,283.07	1/4	1,649.44	1/4	2,011.79	1/4	2,378.14	1/4	2,744.48	1/4	3,110.83
1/2	1.45	1/2	224.68	1/2	584.84	1/2	934.71	1/2	1,290.71	1/2	1,657.07	1/2	2,019.42	1/2	2,385.77	1/2	2,752.11	1/2	3,118.46
3/4	1.49	3/4	232.31	3/4	592.46	3/4	941.91	3/4	1,298.34	3/4	1,664.70	3/4	2,027.05	3/4	2,393.40	3/4	2,759.75	3/4	3,126.09
9	1.53	9	239.93	9	600.08	9	949.12	9	1,305.97	9	1,672.34	9	2,034.69	9	2,401.03	9	2,767.38	9	3,133.72
1/4	1.57	1/4	247.55	1/4	607.70	1/4	956.33	1/4	1,313.60	1/4	1,679.80	1/4	2,042.32	1/4	2,408.66	1/4	2,775.01	1/4	3,141.36
1/2	1.62	1/2	255.17	1/2	615.32	1/2	963.54	1/2	1,321.24	1/2	1,687.27	1/2	2,049.95	1/2	2,416.30	1/2	2,782.64	1/2	3,148.99
3/4	1.66	3/4	262.79	3/4	622.94	3/4	970.75	3/4	1,328.87	3/4	1,694.73	3/4	2,057.58	3/4	2,423.93	3/4	2,790.27	3/4	3,156.62
10	1.70	10	270.41	10	630.57	10	977.96	10	1,336.50	10	1,702.20	10	2,065.22	10	2,431.56	10	2,797.91	10	3,164.25
1/4	2.34	1/4	277.86	1/4	638.20	1/4	985.17	1/4	1,344.14	1/4	1,709.67	1/4	2,072.85	1/4	2,439.19	1/4	2,805.54	1/4	3,171.88
1/2	2.97	1/2	285.30	1/2	645.83	1/2	992.39	1/2	1,351.77	1/2	1,717.13	1/2	2,080.48	1/2	2,446.83	1/2	2,813.17	1/2	3,179.52
3/4	3.61	3/4	292.75	3/4	653.46	3/4	999.60	3/4	1,359.40	3/4	1,724.60	3/4	2,088.11	3/4	2,454.46	3/4	2,820.80	3/4	3,187.15
11	4.24	11	300.20	11	661.10	11	1,006.81	11	1,367.03	11	1,732.06	11	2,095.74	11	2,462.09	11	2,828.44	11	3,194.78
1/4	6.15	1/4	307.64	1/4	668.29	1/4	1,014.06	1/4	1,374.67	1/4	1,739.53	1/4	2,103.38	1/4	2,469.72	1/4	2,836.07	1/4	3,202.41
1/2	8.06	1/2	315.09	1/2	675.49	1/2	1,021.31	1/2	1,382.30	1/2	1,746.99	1/2	2,111.01	1/2	2,477.35	1/2	2,843.70	1/2	3,210.05
3/4	9.97	3/4	322.53	3/4	682.69	3/4	1,028.56	3/4	1,389.93	3/4	1,754.46	3/4	2,118.64	3/4	2,484.99	3/4	2,851.33	3/4	3,217.68

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

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

BARGE FMT 5070

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,225.31	0	3,591.66	0	3,958.00	0	4,322.05	0	4,669.49	0	4,998.02	0	5,240.98	0		0		0	
1/4	3,232.94	1/4	3,599.29	1/4	3,965.63	1/4	4,329.47	1/4	4,676.51	1/4	5,005.63	1/4		1/4		1/4		1/4	
1/2	3,240.57	1/2	3,606.92	1/2	3,973.27	1/2	4,336.90	1/2	4,683.53	1/2	5,013.24	1/2		1/2		1/2		1/2	
3/4	3,248.21	3/4	3,614.55	3/4	3,980.90	3/4	4,344.32	3/4	4,690.55	3/4	5,020.85	3/4		3/4		3/4		3/4	
1	3,255.84	1	3,622.18	1	3,988.53	1	4,351.75	1	4,697.57	1	5,028.46	1		1		1		1	
1/4	3,263.47	1/4	3,629.82	1/4	3,996.16	1/4	4,359.14	1/4	4,704.56	1/4	5,036.07	1/4		1/4		1/4		1/4	
1/2	3,271.10	1/2	3,637.45	1/2	4,003.79	1/2	4,366.54	1/2	4,711.54	1/2	5,043.68	1/2		1/2		1/2		1/2	
3/4	3,278.73	3/4	3,645.08	3/4	4,011.43	3/4	4,373.93	3/4	4,718.53	3/4	5,051.29	3/4		3/4		3/4		3/4	
2	3,286.37	2	3,652.71	2	4,019.06	2	4,381.32	2	4,725.52	2	5,058.90	2		2		2		2	
1/4	3,294.00	1/4	3,660.34	1/4	4,026.69	1/4	4,388.68	1/4	4,732.48	1/4	5,066.50	1/4		1/4		1/4		1/4	
1/2	3,301.63	1/2	3,667.98	1/2	4,034.32	1/2	4,396.04	1/2	4,739.43	1/2	5,074.10	1/2		1/2		1/2		1/2	
3/4	3,309.26	3/4	3,675.61	3/4	4,041.95	3/4	4,403.40	3/4	4,746.39	3/4	5,081.70	3/4		3/4		3/4		3/4	
3	3,316.90	3	3,683.24	3	4,049.59	3	4,410.77	3	4,753.34	3	5,089.30	3		3		3		3	
1/4	3,324.53	1/4	3,690.87	1/4	4,057.22	1/4	4,418.09	1/4	4,760.27	1/4	5,096.88	1/4		1/4		1/4		1/4	
1/2	3,332.16	1/2	3,698.51	1/2	4,064.85	1/2	4,425.42	1/2	4,767.19	1/2	5,104.45	1/2		1/2		1/2		1/2	
3/4	3,339.79	3/4	3,706.14	3/4	4,072.48	3/4	4,432.75	3/4	4,774.12	3/4	5,112.03	3/4		3/4		3/4		3/4	
4	3,347.42	4	3,713.77	4	4,080.12	4	4,440.08	4	4,781.04	4	5,119.60	4		4		4		4	
1/4	3,355.06	1/4	3,721.40	1/4	4,087.75	1/4	4,447.38	1/4	4,787.93	1/4	5,126.73	1/4		1/4		1/4		1/4	
1/2	3,362.69	1/2	3,729.03	1/2	4,095.38	1/2	4,454.68	1/2	4,794.83	1/2	5,133.86	1/2		1/2		1/2		1/2	
3/4	3,370.32	3/4	3,736.67	3/4	4,103.01	3/4	4,461.97	3/4	4,801.72	3/4	5,140.99	3/4		3/4		3/4		3/4	
5	3,377.95	5	3,744.30	5	4,110.64	5	4,469.27	5	4,808.61	5	5,148.12	5		5		5		5	
1/4	3,385.59	1/4	3,751.93	1/4	4,118.28	1/4	4,476.54	1/4	4,815.47	1/4	5,154.30	1/4		1/4		1/4		1/4	
1/2	3,393.22	1/2	3,759.56	1/2	4,125.91	1/2	4,483.80	1/2	4,822.33	1/2	5,160.48	1/2		1/2		1/2		1/2	
3/4	3,400.85	3/4	3,767.20	3/4	4,133.54	3/4	4,491.07	3/4	4,829.19	3/4	5,166.66	3/4		3/4		3/4		3/4	
6	3,408.48	6	3,774.83	6	4,141.17	6	4,498.33	6	4,836.05	6	5,172.84	6		6		6		6	
1/4	3,416.11	1/4	3,782.46	1/4	4,148.79	1/4	4,505.54	1/4	4,842.88	1/4	5,178.06	1/4		1/4		1/4		1/4	
1/2	3,423.75	1/2	3,790.09	1/2	4,156.41	1/2	4,512.75	1/2	4,849.71	1/2	5,183.29	1/2		1/2		1/2		1/2	
3/4	3,431.38	3/4	3,797.72	3/4	4,164.02	3/4	4,519.97	3/4	4,856.54	3/4	5,188.51	3/4		3/4		3/4		3/4	
7	3,439.01	7	3,805.36	7	4,171.64	7	4,527.18	7	4,863.37	7	5,193.74	7		7		7		7	
1/4	3,446.64	1/4	3,812.99	1/4	4,179.22	1/4	4,534.36	1/4	4,870.16	1/4	5,198.01	1/4		1/4		1/4		1/4	
1/2	3,454.28	1/2	3,820.62	1/2	4,186.81	1/2	4,541.54	1/2	4,876.96	1/2	5,202.28	1/2		1/2		1/2		1/2	
3/4	3,461.91	3/4	3,828.25	3/4	4,194.39	3/4	4,548.72	3/4	4,883.75	3/4	5,206.55	3/4		3/4		3/4		3/4	
8	3,469.54	8	3,835.89	8	4,201.98	8	4,555.90	8	4,890.55	8	5,210.82	8		8		8		8	
1/4	3,477.17	1/4	3,843.52	1/4	4,209.53	1/4	4,563.04	1/4	4,897.32	1/4	5,214.14	1/4		1/4		1/4		1/4	
1/2	3,484.80	1/2	3,851.15	1/2	4,217.08	1/2	4,570.19	1/2	4,904.08	1/2	5,217.45	1/2		1/2		1/2		1/2	
3/4	3,492.44	3/4	3,858.78	3/4	4,224.63	3/4	4,577.34	3/4	4,910.85	3/4	5,220.77	3/4		3/4		3/4		3/4	
9	3,500.07	9	3,866.41	9	4,232.19	9	4,584.48	9	4,917.61	9	5,224.09	9		9		9		9	
1/4	3,507.70	1/4	3,874.05	1/4	4,239.71	1/4	4,591.60	1/4	4,924.34	1/4	5,226.45	1/4		1/4		1/4		1/4	
1/2	3,515.33	1/2	3,881.68	1/2	4,247.23	1/2	4,598.72	1/2	4,931.08	1/2	5,228.81	1/2		1/2		1/2		1/2	
3/4	3,522.97	3/4	3,889.31	3/4	4,254.75	3/4	4,605.83	3/4	4,937.81	3/4	5,231.17	3/4		3/4		3/4		3/4	
10	3,530.60	10	3,896.94	10	4,262.27	10	4,612.95	10	4,944.54	10	5,233.54	10		10		10		10	
1/4	3,538.23	1/4	3,904.58	1/4	4,269.76	1/4	4,620.03	1/4	4,951.24	1/4	5,234.94	1/4		1/4		1/4		1/4	
1/2	3,545.86	1/2	3,912.21	1/2	4,277.25	1/2	4,627.11	1/2	4,957.94	1/2	5,236.35	1/2		1/2		1/2		1/2	
3/4	3,553.49	3/4	3,919.84	3/4	4,284.73	3/4	4,634.20	3/4	4,964.64	3/4	5,237.76	3/4		3/4		3/4		3/4	
11	3,561.13	11	3,927.47	11	4,292.22	11	4,641.28	11	4,971.34	11	5,239.17	11		11		11		11	
1/4	3,568.76	1/4	3,935.10	1/4	4,299.68	1/4	4,648.33	1/4	4,978.01	1/4	5,239.62	1/4		1/4		1/4		1/4	
1/2	3,576.39	1/2	3,942.74	1/2	4,307.14	1/2	4,655.39	1/2	4,984.68	1/2	5,240.08	1/2		1/2		1/2		1/2	
3/4	3,584.02	3/4	3,950.37	3/4	4,314.59	3/4	4,662.44	3/4	4,991.35	3/4	5,240.53	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
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BARGE FMT 5070

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-09 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	0.00	0	11.86	0	329.48	0	690.39	0	1,054.19	0	1,420.00	0	1,783.82	0	2,147.62	0	2,513.42	0	2,879.22
1/4	0.04	1/4	14.86	1/4	336.91	1/4	697.96	1/4	1,061.81	1/4	1,427.62	1/4	1,791.27	1/4	2,155.24	1/4	2,521.04	1/4	2,886.84
1/2	0.09	1/2	17.86	1/2	344.35	1/2	705.53	1/2	1,069.43	1/2	1,435.25	1/2	1,798.73	1/2	2,162.86	1/2	2,528.66	1/2	2,894.46
3/4	0.13	3/4	20.86	3/4	351.78	3/4	713.10	3/4	1,077.05	3/4	1,442.87	3/4	1,806.18	3/4	2,170.48	3/4	2,536.28	3/4	2,902.08
1	0.17	1	23.86	1	359.22	1	720.67	1	1,084.67	1	1,450.49	1	1,813.64	1	2,178.10	1	2,543.90	1	2,909.70
1/4	0.21	1/4	28.13	1/4	366.64	1/4	728.24	1/4	1,092.29	1/4	1,458.11	1/4	1,821.09	1/4	2,185.72	1/4	2,551.52	1/4	2,917.32
1/2	0.26	1/2	32.40	1/2	374.06	1/2	735.81	1/2	1,099.91	1/2	1,465.73	1/2	1,828.55	1/2	2,193.35	1/2	2,559.14	1/2	2,924.94
3/4	0.30	3/4	36.67	3/4	381.49	3/4	743.39	3/4	1,107.53	3/4	1,473.35	3/4	1,836.00	3/4	2,200.97	3/4	2,566.76	3/4	2,932.56
2	0.34	2	40.94	2	388.91	2	750.96	2	1,115.16	2	1,480.97	2	1,843.45	2	2,208.59	2	2,574.39	2	2,940.18
1/4	0.38	1/4	46.48	1/4	396.34	1/4	758.53	1/4	1,122.78	1/4	1,488.59	1/4	1,850.91	1/4	2,216.21	1/4	2,582.01	1/4	2,947.80
1/2	0.43	1/2	52.01	1/2	403.78	1/2	766.10	1/2	1,130.40	1/2	1,496.22	1/2	1,858.36	1/2	2,223.83	1/2	2,589.63	1/2	2,955.43
3/4	0.47	3/4	57.55	3/4	411.21	3/4	773.67	3/4	1,138.02	3/4	1,503.84	3/4	1,865.82	3/4	2,231.45	3/4	2,597.25	3/4	2,963.05
3	0.51	3	63.09	3	418.65	3	781.24	3	1,145.64	3	1,511.46	3	1,873.27	3	2,239.07	3	2,604.87	3	2,970.67
1/4	0.55	1/4	69.90	1/4	426.08	1/4	788.81	1/4	1,153.26	1/4	1,519.08	1/4	1,880.89	1/4	2,246.69	1/4	2,612.49	1/4	2,978.29
1/2	0.60	1/2	76.71	1/2	433.52	1/2	796.38	1/2	1,160.88	1/2	1,526.70	1/2	1,888.51	1/2	2,254.31	1/2	2,620.11	1/2	2,985.91
3/4	0.64	3/4	83.52	3/4	440.95	3/4	803.95	3/4	1,168.50	3/4	1,534.32	3/4	1,896.13	3/4	2,261.93	3/4	2,627.73	3/4	2,993.53
4	0.68	4	90.33	4	448.38	4	811.53	4	1,176.12	4	1,541.94	4	1,903.76	4	2,269.55	4	2,635.35	4	3,001.15
1/4	0.72	1/4	97.74	1/4	455.82	1/4	819.10	1/4	1,183.75	1/4	1,549.56	1/4	1,911.38	1/4	2,277.17	1/4	2,642.97	1/4	3,008.77
1/2	0.77	1/2	105.14	1/2	463.25	1/2	826.67	1/2	1,191.37	1/2	1,557.18	1/2	1,919.00	1/2	2,284.80	1/2	2,650.59	1/2	3,016.39
3/4	0.81	3/4	112.55	3/4	470.69	3/4	834.24	3/4	1,198.99	3/4	1,564.81	3/4	1,926.62	3/4	2,292.42	3/4	2,658.21	3/4	3,024.01
5	0.85	5	119.96	5	478.12	5	841.81	5	1,206.61	5	1,572.43	5	1,934.24	5	2,300.04	5	2,665.84	5	3,031.63
1/4	0.89	1/4	127.39	1/4	485.55	1/4	849.39	1/4	1,214.23	1/4	1,580.05	1/4	1,941.86	1/4	2,307.66	1/4	2,673.46	1/4	3,039.25
1/2	0.94	1/2	134.81	1/2	492.99	1/2	856.96	1/2	1,221.85	1/2	1,587.67	1/2	1,949.48	1/2	2,315.28	1/2	2,681.08	1/2	3,046.88
3/4	0.98	3/4	142.23	3/4	500.42	3/4	864.54	3/4	1,229.47	3/4	1,595.29	3/4	1,957.10	3/4	2,322.90	3/4	2,688.70	3/4	3,054.50
6	1.02	6	149.66	6	507.86	6	872.11	6	1,237.09	6	1,602.91	6	1,964.72	6	2,330.52	6	2,696.32	6	3,062.12
1/4	1.06	1/4	157.09	1/4	515.47	1/4	879.69	1/4	1,244.72	1/4	1,610.53	1/4	1,972.34	1/4	2,338.14	1/4	2,703.94	1/4	3,069.74
1/2	1.10	1/2	164.52	1/2	523.08	1/2	887.27	1/2	1,252.34	1/2	1,618.15	1/2	1,979.96	1/2	2,345.76	1/2	2,711.56	1/2	3,077.36
3/4	1.15	3/4	171.96	3/4	530.69	3/4	894.84	3/4	1,259.96	3/4	1,625.78	3/4	1,987.58	3/4	2,353.38	3/4	2,719.18	3/4	3,084.98
7	1.19	7	179.39	7	538.30	7	902.42	7	1,267.58	7	1,633.40	7	1,995.20	7	2,361.00	7	2,726.80	7	3,092.60
1/4	1.23	1/4	186.82	1/4	545.91	1/4	909.99	1/4	1,275.20	1/4	1,641.02	1/4	2,002.83	1/4	2,368.62	1/4	2,734.42	1/4	3,100.22
1/2	1.27	1/2	194.26	1/2	553.52	1/2	917.57	1/2	1,282.82	1/2	1,648.64	1/2	2,010.45	1/2	2,376.24	1/2	2,742.04	1/2	3,107.84
3/4	1.32	3/4	201.69	3/4	561.13	3/4	925.15	3/4	1,290.44	3/4	1,656.26	3/4	2,018.07	3/4	2,383.87	3/4	2,749.66	3/4	3,115.46
8	1.36	8	209.13	8	568.74	8	932.72	8	1,298.06	8	1,663.88	8	2,025.69	8	2,391.49	8	2,757.28	8	3,123.08
1/4	1.40	1/4	216.74	1/4	576.35	1/4	940.30	1/4	1,305.69	1/4	1,671.50	1/4	2,033.31	1/4	2,399.11	1/4	2,764.91	1/4	3,130.70
1/2	1.44	1/2	224.35	1/2	583.96	1/2	947.87	1/2	1,313.31	1/2	1,679.12	1/2	2,040.93	1/2	2,406.73	1/2	2,772.53	1/2	3,138.32
3/4	1.49	3/4	231.96	3/4	591.57	3/4	955.45	3/4	1,320.93	3/4	1,686.75	3/4	2,048.55	3/4	2,414.35	3/4	2,780.15	3/4	3,145.95
9	1.53	9	239.57	9	599.18	9	963.03	9	1,328.55	9	1,694.37	9	2,056.17	9	2,421.97	9	2,787.77	9	3,153.57
1/4	1.57	1/4	247.18	1/4	606.79	1/4	970.61	1/4	1,336.17	1/4	1,701.82	1/4	2,063.79	1/4	2,429.59	1/4	2,795.39	1/4	3,161.19
1/2	1.61	1/2	254.79	1/2	614.40	1/2	978.19	1/2	1,343.79	1/2	1,709.28	1/2	2,071.41	1/2	2,437.21	1/2	2,803.01	1/2	3,168.81
3/4	1.66	3/4	262.40	3/4	622.01	3/4	985.78	3/4	1,351.41	3/4	1,716.73	3/4	2,079.03	3/4	2,444.83	3/4	2,810.63	3/4	3,176.43
10	1.70	10	270.01	10	629.62	10	993.36	10	1,359.03	10	1,724.18	10	2,086.65	10	2,452.45	10	2,818.25	10	3,184.05
1/4	2.33	1/4	277.44	1/4	637.24	1/4	1,000.95	1/4	1,366.65	1/4	1,731.64	1/4	2,094.28	1/4	2,460.07	1/4	2,825.87	1/4	3,191.67
1/2	2.97	1/2	284.88	1/2	644.86	1/2	1,008.53	1/2	1,374.28	1/2	1,739.09	1/2	2,101.90	1/2	2,467.69	1/2	2,833.49	1/2	3,199.29
3/4	3.60	3/4	292.31	3/4	652.48	3/4	1,016.12	3/4	1,381.90	3/4	1,746.55	3/4	2,109.52	3/4	2,475.32	3/4	2,841.11	3/4	3,206.91
11	4.24	11	299.74	11	660.10	11	1,023.70	11	1,389.52	11	1,754.00	11	2,117.14	11	2,482.94	11	2,848.73	11	3,214.53
1/4	6.14	1/4	307.18	1/4	667.67	1/4	1,031.32	1/4	1,397.14	1/4	1,761.46	1/4	2,124.76	1/4	2,490.56	1/4	2,856.36	1/4	3,222.15
1/2	8.05	1/2	314.61	1/2	675.25	1/2	1,038.94	1/2	1,404.76	1/2	1,768.91	1/2	2,132.38	1/2	2,498.18	1/2	2,863.98	1/2	3,229.77
3/4	9.95	3/4	322.05	3/4	682.82	3/4	1,046.56	3/4	1,412.38	3/4	1,776.36	3/4	2,140.00	3/4	2,505.80	3/4	2,871.60	3/4	3,237.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

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

BARGE FMT 5070

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-09 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,245.02	0	3,610.81	0	3,976.61	0	4,340.11	0	4,687.02	0	5,015.05	0	5,257.65	0		0		0	
1/4	3,252.64	1/4	3,618.44	1/4	3,984.23	1/4	4,347.52	1/4	4,694.03	1/4	5,022.65	1/4		1/4		1/4		1/4	
1/2	3,260.26	1/2	3,626.06	1/2	3,991.85	1/2	4,354.94	1/2	4,701.04	1/2	5,030.25	1/2		1/2		1/2		1/2	
3/4	3,267.88	3/4	3,633.68	3/4	3,999.48	3/4	4,362.35	3/4	4,708.05	3/4	5,037.85	3/4		3/4		3/4		3/4	
1	3,275.50	1	3,641.30	1	4,007.10	1	4,369.76	1	4,715.06	1	5,045.45	1		1		1		1	
1/4	3,283.12	1/4	3,648.92	1/4	4,014.72	1/4	4,377.15	1/4	4,722.04	1/4	5,053.05	1/4		1/4		1/4		1/4	
1/2	3,290.74	1/2	3,656.54	1/2	4,022.34	1/2	4,384.53	1/2	4,729.02	1/2	5,060.65	1/2		1/2		1/2		1/2	
3/4	3,298.36	3/4	3,664.16	3/4	4,029.96	3/4	4,391.91	3/4	4,735.99	3/4	5,068.25	3/4		3/4		3/4		3/4	
2	3,305.98	2	3,671.78	2	4,037.58	2	4,399.29	2	4,742.97	2	5,075.84	2		2		2		2	
1/4	3,313.60	1/4	3,679.40	1/4	4,045.20	1/4	4,406.64	1/4	4,749.92	1/4	5,083.43	1/4		1/4		1/4		1/4	
1/2	3,321.22	1/2	3,687.02	1/2	4,052.82	1/2	4,413.99	1/2	4,756.86	1/2	5,091.02	1/2		1/2		1/2		1/2	
3/4	3,328.84	3/4	3,694.64	3/4	4,060.44	3/4	4,421.34	3/4	4,763.81	3/4	5,098.61	3/4		3/4		3/4		3/4	
3	3,336.47	3	3,702.26	3	4,068.06	3	4,428.69	3	4,770.75	3	5,106.20	3		3		3		3	
1/4	3,344.09	1/4	3,709.88	1/4	4,075.68	1/4	4,436.01	1/4	4,777.67	1/4	5,113.76	1/4		1/4		1/4		1/4	
1/2	3,351.71	1/2	3,717.51	1/2	4,083.30	1/2	4,443.33	1/2	4,784.58	1/2	5,121.33	1/2		1/2		1/2		1/2	
3/4	3,359.33	3/4	3,725.13	3/4	4,090.92	3/4	4,450.65	3/4	4,791.49	3/4	5,128.89	3/4		3/4		3/4		3/4	
4	3,366.95	4	3,732.75	4	4,098.55	4	4,457.96	4	4,798.41	4	5,136.45	4		4		4		4	
1/4	3,374.57	1/4	3,740.37	1/4	4,106.17	1/4	4,465.25	1/4	4,805.29	1/4	5,143.57	1/4		1/4		1/4		1/4	
1/2	3,382.19	1/2	3,747.99	1/2	4,113.79	1/2	4,472.54	1/2	4,812.17	1/2	5,150.69	1/2		1/2		1/2		1/2	
3/4	3,389.81	3/4	3,755.61	3/4	4,121.41	3/4	4,479.82	3/4	4,819.05	3/4	5,157.81	3/4		3/4		3/4		3/4	
5	3,397.43	5	3,763.23	5	4,129.03	5	4,487.11	5	4,825.93	5	5,164.93	5		5		5		5	
1/4	3,405.05	1/4	3,770.85	1/4	4,136.65	1/4	4,494.36	1/4	4,832.78	1/4	5,171.10	1/4		1/4		1/4		1/4	
1/2	3,412.67	1/2	3,778.47	1/2	4,144.27	1/2	4,501.62	1/2	4,839.63	1/2	5,177.27	1/2		1/2		1/2		1/2	
3/4	3,420.29	3/4	3,786.09	3/4	4,151.89	3/4	4,508.87	3/4	4,846.48	3/4	5,183.44	3/4		3/4		3/4		3/4	
6	3,427.92	6	3,793.71	6	4,159.51	6	4,516.13	6	4,853.33	6	5,189.61	6		6		6		6	
1/4	3,435.54	1/4	3,801.33	1/4	4,167.12	1/4	4,523.33	1/4	4,860.15	1/4	5,194.83	1/4		1/4		1/4		1/4	
1/2	3,443.16	1/2	3,808.96	1/2	4,174.72	1/2	4,530.53	1/2	4,866.97	1/2	5,200.05	1/2		1/2		1/2		1/2	
3/4	3,450.78	3/4	3,816.58	3/4	4,182.32	3/4	4,537.73	3/4	4,873.79	3/4	5,205.26	3/4		3/4		3/4		3/4	
7	3,458.40	7	3,824.20	7	4,189.92	7	4,544.93	7	4,880.61	7	5,210.48	7		7		7		7	
1/4	3,466.02	1/4	3,831.82	1/4	4,197.50	1/4	4,552.10	1/4	4,887.39	1/4	5,214.74	1/4		1/4		1/4		1/4	
1/2	3,473.64	1/2	3,839.44	1/2	4,205.07	1/2	4,559.27	1/2	4,894.18	1/2	5,219.01	1/2		1/2		1/2		1/2	
3/4	3,481.26	3/4	3,847.06	3/4	4,212.64	3/4	4,566.43	3/4	4,900.96	3/4	5,223.27	3/4		3/4		3/4		3/4	
8	3,488.88	8	3,854.68	8	4,220.22	8	4,573.60	8	4,907.75	8	5,227.54	8		8		8		8	
1/4	3,496.50	1/4	3,862.30	1/4	4,227.76	1/4	4,580.74	1/4	4,914.50	1/4	5,230.85	1/4		1/4		1/4		1/4	
1/2	3,504.12	1/2	3,869.92	1/2	4,235.30	1/2	4,587.88	1/2	4,921.26	1/2	5,234.16	1/2		1/2		1/2		1/2	
3/4	3,511.74	3/4	3,877.54	3/4	4,242.84	3/4	4,595.01	3/4	4,928.01	3/4	5,237.47	3/4		3/4		3/4		3/4	
9	3,519.36	9	3,885.16	9	4,250.38	9	4,602.15	9	4,934.77	9	5,240.78	9		9		9		9	
1/4	3,526.99	1/4	3,892.78	1/4	4,257.89	1/4	4,609.25	1/4	4,941.49	1/4	5,243.14	1/4		1/4		1/4		1/4	
1/2	3,534.61	1/2	3,900.40	1/2	4,265.40	1/2	4,616.36	1/2	4,948.21	1/2	5,245.50	1/2		1/2		1/2		1/2	
3/4	3,542.23	3/4	3,908.03	3/4	4,272.91	3/4	4,623.46	3/4	4,954.93	3/4	5,247.86	3/4		3/4		3/4		3/4	
10	3,549.85	10	3,915.65	10	4,280.42	10	4,630.57	10	4,961.66	10	5,250.22	10		10		10		10	
1/4	3,557.47	1/4	3,923.27	1/4	4,287.90	1/4	4,637.64	1/4	4,968.36	1/4	5,251.62	1/4		1/4		1/4		1/4	
1/2	3,565.09	1/2	3,930.89	1/2	4,295.37	1/2	4,644.71	1/2	4,975.04	1/2	5,253.03	1/2		1/2		1/2		1/2	
3/4	3,572.71	3/4	3,938.51	3/4	4,302.85	3/4	4,651.79	3/4	4,981.73	3/4	5,254.44	3/4		3/4		3/4		3/4	
11	3,580.33	11	3,946.13	11	4,310.33	11	4,658.86	11	4,988.42	11	5,255.84	11		11		11		11	
1/4	3,587.95	1/4	3,953.75	1/4	4,317.77	1/4	4,665.90	1/4	4,995.08	1/4	5,256.29	1/4		1/4		1/4		1/4	
1/2	3,595.57	1/2	3,961.37	1/2	4,325.22	1/2	4,672.94	1/2	5,001.74	1/2	5,256.75	1/2		1/2		1/2		1/2	
3/4	3,603.19	3/4	3,968.99	3/4	4,332.66	3/4	4,679.98	3/4	5,008.40	3/4	5,257.20	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
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BARGE FMT 5070

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.00	0	11.84	0	328.41	0	685.48	0	1,028.84	0	1,387.66	0	1,748.87	0	2,108.34	0	2,470.94	0	2,834.17
1/4	0.04	1/4	14.83	1/4	335.79	1/4	692.61	1/4	1,036.04	1/4	1,395.22	1/4	1,756.25	1/4	2,115.86	1/4	2,478.51	1/4	2,841.74
1/2	0.09	1/2	17.82	1/2	343.18	1/2	699.74	1/2	1,043.24	1/2	1,402.79	1/2	1,763.62	1/2	2,123.39	1/2	2,486.08	1/2	2,849.31
3/4	0.13	3/4	20.81	3/4	350.56	3/4	706.88	3/4	1,050.44	3/4	1,410.36	3/4	1,770.99	3/4	2,130.92	3/4	2,493.64	3/4	2,856.87
1	0.17	1	23.80	1	357.95	1	714.01	1	1,057.64	1	1,417.93	1	1,778.37	1	2,138.44	1	2,501.21	1	2,864.44
1/4	0.21	1/4	28.06	1/4	365.32	1/4	721.14	1/4	1,064.84	1/4	1,425.49	1/4	1,785.74	1/4	2,145.97	1/4	2,508.78	1/4	2,872.01
1/2	0.26	1/2	32.32	1/2	372.70	1/2	728.27	1/2	1,072.04	1/2	1,433.06	1/2	1,793.12	1/2	2,153.50	1/2	2,516.35	1/2	2,879.58
3/4	0.30	3/4	36.58	3/4	380.07	3/4	735.41	3/4	1,079.24	3/4	1,440.63	3/4	1,800.49	3/4	2,161.02	3/4	2,523.91	3/4	2,887.14
2	0.34	2	40.83	2	387.45	2	742.54	2	1,086.44	2	1,448.20	2	1,807.87	2	2,168.55	2	2,531.48	2	2,894.71
1/4	0.38	1/4	46.36	1/4	394.83	1/4	749.67	1/4	1,093.64	1/4	1,455.76	1/4	1,815.24	1/4	2,176.08	1/4	2,539.05	1/4	2,902.28
1/2	0.43	1/2	51.88	1/2	402.22	1/2	756.81	1/2	1,100.84	1/2	1,463.33	1/2	1,822.62	1/2	2,183.60	1/2	2,546.61	1/2	2,909.85
3/4	0.47	3/4	57.41	3/4	409.60	3/4	763.94	3/4	1,108.04	3/4	1,470.90	3/4	1,829.99	3/4	2,191.13	3/4	2,554.18	3/4	2,917.41
3	0.51	3	62.93	3	416.99	3	771.07	3	1,115.24	3	1,478.46	3	1,837.37	3	2,198.66	3	2,561.75	3	2,924.98
1/4	0.55	1/4	69.72	1/4	424.37	1/4	778.22	1/4	1,122.81	1/4	1,486.03	1/4	1,844.89	1/4	2,206.23	1/4	2,569.32	1/4	2,932.55
1/2	0.60	1/2	76.51	1/2	431.76	1/2	785.37	1/2	1,130.37	1/2	1,493.60	1/2	1,852.42	1/2	2,213.80	1/2	2,576.88	1/2	2,940.11
3/4	0.64	3/4	83.30	3/4	439.14	3/4	792.52	3/4	1,137.94	3/4	1,501.17	3/4	1,859.95	3/4	2,221.36	3/4	2,584.45	3/4	2,947.68
4	0.68	4	90.09	4	446.53	4	799.67	4	1,145.51	4	1,508.73	4	1,867.47	4	2,228.93	4	2,592.02	4	2,955.25
1/4	0.72	1/4	97.48	1/4	453.91	1/4	806.82	1/4	1,153.07	1/4	1,516.30	1/4	1,875.00	1/4	2,236.49	1/4	2,599.59	1/4	2,962.82
1/2	0.77	1/2	104.87	1/2	461.30	1/2	813.97	1/2	1,160.64	1/2	1,523.87	1/2	1,882.53	1/2	2,244.06	1/2	2,607.15	1/2	2,970.38
3/4	0.81	3/4	112.26	3/4	468.68	3/4	821.12	3/4	1,168.21	3/4	1,531.43	3/4	1,890.06	3/4	2,251.62	3/4	2,614.72	3/4	2,977.95
5	0.85	5	119.65	5	476.07	5	828.27	5	1,175.78	5	1,539.00	5	1,897.58	5	2,259.18	5	2,622.29	5	2,985.52
1/4	0.89	1/4	127.06	1/4	483.45	1/4	835.42	1/4	1,183.34	1/4	1,546.57	1/4	1,905.11	1/4	2,266.75	1/4	2,629.85	1/4	2,993.09
1/2	0.94	1/2	134.46	1/2	490.84	1/2	842.58	1/2	1,190.91	1/2	1,554.14	1/2	1,912.64	1/2	2,274.31	1/2	2,637.42	1/2	3,000.65
3/4	0.98	3/4	141.86	3/4	498.22	3/4	849.73	3/4	1,198.48	3/4	1,561.70	3/4	1,920.16	3/4	2,281.87	3/4	2,644.99	3/4	3,008.22
6	1.02	6	149.27	6	505.61	6	856.89	6	1,206.04	6	1,569.27	6	1,927.69	6	2,289.43	6	2,652.56	6	3,015.79
1/4	1.06	1/4	156.68	1/4	513.17	1/4	864.04	1/4	1,213.61	1/4	1,576.84	1/4	1,935.22	1/4	2,297.00	1/4	2,660.12	1/4	3,023.35
1/2	1.11	1/2	164.09	1/2	520.74	1/2	871.19	1/2	1,221.18	1/2	1,584.40	1/2	1,942.75	1/2	2,304.56	1/2	2,667.69	1/2	3,030.92
3/4	1.15	3/4	171.51	3/4	528.30	3/4	878.35	3/4	1,228.75	3/4	1,591.97	3/4	1,950.27	3/4	2,312.12	3/4	2,675.26	3/4	3,038.49
7	1.19	7	178.92	7	535.87	7	885.50	7	1,236.31	7	1,599.54	7	1,957.80	7	2,319.69	7	2,682.83	7	3,046.06
1/4	1.23	1/4	186.33	1/4	543.43	1/4	892.66	1/4	1,243.88	1/4	1,607.11	1/4	1,965.33	1/4	2,327.25	1/4	2,690.39	1/4	3,053.61
1/2	1.28	1/2	193.75	1/2	551.00	1/2	899.81	1/2	1,251.45	1/2	1,614.67	1/2	1,972.85	1/2	2,334.81	1/2	2,697.96	1/2	3,061.17
3/4	1.32	3/4	201.16	3/4	558.56	3/4	906.97	3/4	1,259.02	3/4	1,622.24	3/4	1,980.38	3/4	2,342.37	3/4	2,705.53	3/4	3,068.72
8	1.36	8	208.58	8	566.13	8	914.12	8	1,266.58	8	1,629.81	8	1,987.91	8	2,349.94	8	2,713.10	8	3,076.27
1/4	1.40	1/4	216.17	1/4	573.69	1/4	921.28	1/4	1,274.15	1/4	1,637.38	1/4	1,995.43	1/4	2,357.50	1/4	2,720.66	1/4	3,083.83
1/2	1.45	1/2	223.76	1/2	581.26	1/2	928.43	1/2	1,281.72	1/2	1,644.94	1/2	2,002.96	1/2	2,365.06	1/2	2,728.23	1/2	3,091.38
3/4	1.49	3/4	231.35	3/4	588.82	3/4	935.58	3/4	1,289.28	3/4	1,652.51	3/4	2,010.49	3/4	2,372.63	3/4	2,735.80	3/4	3,098.94
9	1.53	9	238.94	9	596.38	9	942.74	9	1,296.85	9	1,660.08	9	2,018.01	9	2,380.19	9	2,743.36	9	3,106.49
1/4	1.57	1/4	246.53	1/4	603.95	1/4	949.90	1/4	1,304.42	1/4	1,667.49	1/4	2,025.54	1/4	2,387.75	1/4	2,750.93	1/4	3,114.05
1/2	1.62	1/2	254.12	1/2	611.51	1/2	957.06	1/2	1,311.99	1/2	1,674.90	1/2	2,033.07	1/2	2,395.31	1/2	2,758.50	1/2	3,121.60
3/4	1.66	3/4	261.71	3/4	619.08	3/4	964.23	3/4	1,319.55	3/4	1,682.31	3/4	2,040.60	3/4	2,402.88	3/4	2,766.07	3/4	3,129.16
10	1.70	10	269.30	10	626.64	10	971.39	10	1,327.12	10	1,689.72	10	2,048.12	10	2,410.44	10	2,773.63	10	3,136.71
1/4	2.34	1/4	276.69	1/4	634.22	1/4	978.55	1/4	1,334.69	1/4	1,697.14	1/4	2,055.65	1/4	2,418.00	1/4	2,781.20	1/4	3,144.26
1/2	2.97	1/2	284.08	1/2	641.79	1/2	985.72	1/2	1,342.25	1/2	1,704.55	1/2	2,063.18	1/2	2,425.56	1/2	2,788.77	1/2	3,151.82
3/4	3.60	3/4	291.47	3/4	649.37	3/4	992.88	3/4	1,349.82	3/4	1,711.96	3/4	2,070.70	3/4	2,433.13	3/4	2,796.34	3/4	3,159.37
11	4.24	11	298.86	11	656.94	11	1,000.04	11	1,357.39	11	1,719.37	11	2,078.23	11	2,440.69	11	2,803.90	11	3,166.93
1/4	6.14	1/4	306.24	1/4	664.08	1/4	1,007.24	1/4	1,364.96	1/4	1,726.75	1/4	2,085.76	1/4	2,448.25	1/4	2,811.47	1/4	3,174.48
1/2	8.04	1/2	313.63	1/2	671.21	1/2	1,014.44	1/2	1,372.52	1/2	1,734.12	1/2	2,093.28	1/2	2,455.82	1/2	2,819.04	1/2	3,182.04
3/4	9.94	3/4	321.02	3/4	678.34	3/4	1,021.64	3/4	1,380.09	3/4	1,741.50	3/4	2,100.81	3/4	2,463.38	3/4	2,826.60	3/4	3,189.59

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 82'-07 1/2" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
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http://www.pmacorp.net

BARGE FMT 5070

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,197.15	0	3,559.79	0	3,915.23	0	4,081.83	0	4,240.91	0	4,391.35	0	4,494.30	0		0		0	
1/4	3,204.70	1/4	3,567.34	1/4	3,918.71	1/4	4,085.23	1/4	4,244.12	1/4	4,394.84	1/4		1/4		1/4		1/4	
1/2	3,212.26	1/2	3,574.90	1/2	3,922.18	1/2	4,088.63	1/2	4,247.34	1/2	4,398.32	1/2		1/2		1/2		1/2	
3/4	3,219.81	3/4	3,582.46	3/4	3,925.66	3/4	4,092.02	3/4	4,250.55	3/4	4,401.81	3/4		3/4		3/4		3/4	
1	3,227.36	1	3,590.02	1	3,929.14	1	4,095.42	1	4,253.77	1	4,405.29	1		1		1		1	
1/4	3,234.92	1/4	3,597.58	1/4	3,932.63	1/4	4,098.81	1/4	4,256.97	1/4	4,408.78	1/4		1/4		1/4		1/4	
1/2	3,242.47	1/2	3,605.13	1/2	3,936.13	1/2	4,102.19	1/2	4,260.17	1/2	4,412.26	1/2		1/2		1/2		1/2	
3/4	3,250.03	3/4	3,612.69	3/4	3,939.62	3/4	4,105.58	3/4	4,263.37	3/4	4,415.75	3/4		3/4		3/4		3/4	
2	3,257.58	2	3,620.25	2	3,943.12	2	4,108.96	2	4,266.57	2	4,419.23	2		2		2		2	
1/4	3,265.14	1/4	3,627.81	1/4	3,946.61	1/4	4,112.33	1/4	4,269.75	1/4	4,422.71	1/4		1/4		1/4		1/4	
1/2	3,272.69	1/2	3,635.36	1/2	3,950.10	1/2	4,115.70	1/2	4,272.94	1/2	4,426.18	1/2		1/2		1/2		1/2	
3/4	3,280.25	3/4	3,642.92	3/4	3,953.60	3/4	4,119.07	3/4	4,276.12	3/4	4,429.66	3/4		3/4		3/4		3/4	
3	3,287.80	3	3,650.48	3	3,957.09	3	4,122.44	3	4,279.31	3	4,433.13	3		3		3		3	
1/4	3,295.35	1/4	3,658.04	1/4	3,960.59	1/4	4,125.80	1/4	4,282.48	1/4	4,436.58	1/4		1/4		1/4		1/4	
1/2	3,302.91	1/2	3,665.59	1/2	3,964.08	1/2	4,129.15	1/2	4,285.65	1/2	4,440.03	1/2		1/2		1/2		1/2	
3/4	3,310.46	3/4	3,673.15	3/4	3,967.57	3/4	4,132.51	3/4	4,288.82	3/4	4,443.48	3/4		3/4		3/4		3/4	
4	3,318.02	4	3,680.71	4	3,971.07	4	4,135.86	4	4,291.99	4	4,446.93	4		4		4		4	
1/4	3,325.57	1/4	3,688.29	1/4	3,974.56	1/4	4,139.20	1/4	4,295.15	1/4	4,449.94	1/4		1/4		1/4		1/4	
1/2	3,333.13	1/2	3,695.88	1/2	3,978.06	1/2	4,142.54	1/2	4,298.30	1/2	4,452.95	1/2		1/2		1/2		1/2	
3/4	3,340.68	3/4	3,703.47	3/4	3,981.55	3/4	4,145.89	3/4	4,301.46	3/4	4,455.96	3/4		3/4		3/4		3/4	
5	3,348.24	5	3,711.05	5	3,985.04	5	4,149.23	5	4,304.62	5	4,458.96	5		5		5		5	
1/4	3,355.79	1/4	3,718.64	1/4	3,988.54	1/4	4,152.55	1/4	4,307.76	1/4	4,461.02	1/4		1/4		1/4		1/4	
1/2	3,363.35	1/2	3,726.22	1/2	3,992.03	1/2	4,155.88	1/2	4,310.90	1/2	4,463.08	1/2		1/2		1/2		1/2	
3/4	3,370.90	3/4	3,733.81	3/4	3,995.53	3/4	4,159.20	3/4	4,314.04	3/4	4,465.14	3/4		3/4		3/4		3/4	
6	3,378.45	6	3,741.39	6	3,999.02	6	4,162.53	6	4,317.18	6	4,467.20	6		6		6		6	
1/4	3,386.01	1/4	3,748.98	1/4	4,002.51	1/4	4,165.83	1/4	4,320.31	1/4	4,468.31	1/4		1/4		1/4		1/4	
1/2	3,393.56	1/2	3,756.56	1/2	4,005.99	1/2	4,169.14	1/2	4,323.44	1/2	4,469.42	1/2		1/2		1/2		1/2	
3/4	3,401.12	3/4	3,764.15	3/4	4,009.48	3/4	4,172.44	3/4	4,326.56	3/4	4,470.53	3/4		3/4		3/4		3/4	
7	3,408.67	7	3,771.73	7	4,012.97	7	4,175.74	7	4,329.69	7	4,471.64	7		7		7		7	
1/4	3,416.23	1/4	3,779.32	1/4	4,016.44	1/4	4,179.03	1/4	4,332.80	1/4	4,471.80	1/4		1/4		1/4		1/4	
1/2	3,423.78	1/2	3,786.90	1/2	4,019.91	1/2	4,182.32	1/2	4,335.92	1/2	4,471.95	1/2		1/2		1/2		1/2	
3/4	3,431.34	3/4	3,794.49	3/4	4,023.39	3/4	4,185.60	3/4	4,339.03	3/4	4,472.11	3/4		3/4		3/4		3/4	
8	3,438.89	8	3,802.08	8	4,026.86	8	4,188.89	8	4,342.14	8	4,472.27	8		8		8		8	
1/4	3,446.44	1/4	3,809.66	1/4	4,030.31	1/4	4,192.16	1/4	4,345.24	1/4	4,473.53	1/4		1/4		1/4		1/4	
1/2	3,454.00	1/2	3,817.25	1/2	4,033.77	1/2	4,195.44	1/2	4,348.34	1/2	4,474.80	1/2		1/2		1/2		1/2	
3/4	3,461.55	3/4	3,824.83	3/4	4,037.23	3/4	4,198.71	3/4	4,351.43	3/4	4,476.06	3/4		3/4		3/4		3/4	
9	3,469.11	9	3,832.42	9	4,040.69	9	4,201.98	9	4,354.53	9	4,477.32	9		9		9		9	
1/4	3,476.66	1/4	3,840.00	1/4	4,044.13	1/4	4,205.24	1/4	4,357.61	1/4	4,479.69	1/4		1/4		1/4		1/4	
1/2	3,484.22	1/2	3,847.59	1/2	4,047.57	1/2	4,208.50	1/2	4,360.70	1/2	4,482.05	1/2		1/2		1/2		1/2	
3/4	3,491.77	3/4	3,855.17	3/4	4,051.02	3/4	4,211.76	3/4	4,363.78	3/4	4,484.42	3/4		3/4		3/4		3/4	
10	3,499.33	10	3,862.76	10	4,054.46	10	4,215.02	10	4,366.86	10	4,486.78	10		10		10		10	
1/4	3,506.88	1/4	3,870.34	1/4	4,057.89	1/4	4,218.26	1/4	4,369.93	1/4	4,488.20	1/4		1/4		1/4		1/4	
1/2	3,514.44	1/2	3,877.93	1/2	4,061.32	1/2	4,221.50	1/2	4,373.00	1/2	4,489.61	1/2		1/2		1/2		1/2	
3/4	3,522.00	3/4	3,885.51	3/4	4,064.74	3/4	4,224.75	3/4	4,376.07	3/4	4,491.03	3/4		3/4		3/4		3/4	
11	3,529.56	11	3,893.10	11	4,068.17	11	4,227.99	11	4,379.14	11	4,492.44	11		11		11		11	
1/4	3,537.11	1/4	3,898.63	1/4	4,071.59	1/4	4,231.22	1/4	4,382.19	1/4	4,492.91	1/4		1/4		1/4		1/4	
1/2	3,544.67	1/2	3,904.16	1/2	4,075.00	1/2	4,234.45	1/2	4,385.25	1/2	4,493.37	1/2		1/2		1/2		1/2	
3/4	3,552.23	3/4	3,909.70	3/4	4,078.41	3/4	4,237.68	3/4	4,388.30	3/4	4,493.84	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

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BARGE FMT 5070

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

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	0.00	0	11.84	0	328.49	0	687.14	0	1,048.48	0	1,412.05	0	1,773.58	0	2,133.13	0	2,495.83	0	2,859.15
1/4	0.04	1/4	14.83	1/4	335.88	1/4	694.65	1/4	1,056.06	1/4	1,419.62	1/4	1,780.95	1/4	2,140.66	1/4	2,503.40	1/4	2,866.72
1/2	0.09	1/2	17.82	1/2	343.27	1/2	702.16	1/2	1,063.63	1/2	1,427.20	1/2	1,788.33	1/2	2,148.19	1/2	2,510.97	1/2	2,874.29
3/4	0.13	3/4	20.81	3/4	350.65	3/4	709.66	3/4	1,071.20	3/4	1,434.77	3/4	1,795.71	3/4	2,155.72	3/4	2,518.54	3/4	2,881.86
1	0.17	1	23.81	1	358.04	1	717.17	1	1,078.78	1	1,442.34	1	1,803.08	1	2,163.25	1	2,526.10	1	2,889.43
1/4	0.21	1/4	28.07	1/4	365.42	1/4	724.68	1/4	1,086.35	1/4	1,449.92	1/4	1,810.46	1/4	2,170.77	1/4	2,533.67	1/4	2,897.00
1/2	0.26	1/2	32.32	1/2	372.79	1/2	732.19	1/2	1,093.93	1/2	1,457.49	1/2	1,817.83	1/2	2,178.30	1/2	2,541.24	1/2	2,904.56
3/4	0.30	3/4	36.58	3/4	380.17	3/4	739.69	3/4	1,101.50	3/4	1,465.07	3/4	1,825.21	3/4	2,185.83	3/4	2,548.81	3/4	2,912.13
2	0.34	2	40.84	2	387.54	2	747.20	2	1,109.08	2	1,472.64	2	1,832.59	2	2,193.36	2	2,556.38	2	2,919.70
1/4	0.38	1/4	46.37	1/4	394.93	1/4	754.71	1/4	1,116.65	1/4	1,480.22	1/4	1,839.96	1/4	2,200.89	1/4	2,563.95	1/4	2,927.27
1/2	0.43	1/2	51.90	1/2	402.32	1/2	762.22	1/2	1,124.22	1/2	1,487.79	1/2	1,847.34	1/2	2,208.42	1/2	2,571.52	1/2	2,934.84
3/4	0.47	3/4	57.42	3/4	409.71	3/4	769.72	3/4	1,131.80	3/4	1,495.36	3/4	1,854.72	3/4	2,215.95	3/4	2,579.09	3/4	2,942.41
3	0.51	3	62.95	3	417.09	3	777.23	3	1,139.37	3	1,502.94	3	1,862.09	3	2,223.47	3	2,586.66	3	2,949.98
1/4	0.55	1/4	69.74	1/4	424.48	1/4	784.76	1/4	1,146.95	1/4	1,510.51	1/4	1,869.62	1/4	2,231.04	1/4	2,594.23	1/4	2,957.55
1/2	0.60	1/2	76.53	1/2	431.87	1/2	792.28	1/2	1,154.52	1/2	1,518.09	1/2	1,877.15	1/2	2,238.62	1/2	2,601.80	1/2	2,965.12
3/4	0.64	3/4	83.32	3/4	439.25	3/4	799.80	3/4	1,162.10	3/4	1,525.66	3/4	1,884.68	3/4	2,246.19	3/4	2,609.37	3/4	2,972.69
4	0.68	4	90.11	4	446.64	4	807.33	4	1,169.67	4	1,533.24	4	1,892.21	4	2,253.76	4	2,616.93	4	2,980.26
1/4	0.72	1/4	97.51	1/4	454.03	1/4	814.85	1/4	1,177.24	1/4	1,540.81	1/4	1,899.74	1/4	2,261.32	1/4	2,624.50	1/4	2,987.83
1/2	0.77	1/2	104.90	1/2	461.41	1/2	822.37	1/2	1,184.82	1/2	1,548.39	1/2	1,907.27	1/2	2,268.89	1/2	2,632.07	1/2	2,995.39
3/4	0.81	3/4	112.29	3/4	468.80	3/4	829.90	3/4	1,192.39	3/4	1,555.96	3/4	1,914.80	3/4	2,276.45	3/4	2,639.64	3/4	3,002.96
5	0.85	5	119.68	5	476.19	5	837.42	5	1,199.97	5	1,563.53	5	1,922.33	5	2,284.02	5	2,647.21	5	3,010.53
1/4	0.89	1/4	127.09	1/4	483.58	1/4	844.95	1/4	1,207.54	1/4	1,571.11	1/4	1,929.86	1/4	2,291.58	1/4	2,654.78	1/4	3,018.10
1/2	0.94	1/2	134.49	1/2	490.96	1/2	852.48	1/2	1,215.12	1/2	1,578.68	1/2	1,937.38	1/2	2,299.15	1/2	2,662.35	1/2	3,025.67
3/4	0.98	3/4	141.90	3/4	498.35	3/4	860.01	3/4	1,222.69	3/4	1,586.26	3/4	1,944.91	3/4	2,306.71	3/4	2,669.92	3/4	3,033.24
6	1.02	6	149.31	6	505.74	6	867.54	6	1,230.26	6	1,593.83	6	1,952.44	6	2,314.27	6	2,677.49	6	3,040.81
1/4	1.06	1/4	156.72	1/4	513.30	1/4	875.07	1/4	1,237.84	1/4	1,601.41	1/4	1,959.97	1/4	2,321.84	1/4	2,685.06	1/4	3,048.38
1/2	1.11	1/2	164.14	1/2	520.87	1/2	882.60	1/2	1,245.41	1/2	1,608.98	1/2	1,967.50	1/2	2,329.40	1/2	2,692.63	1/2	3,055.95
3/4	1.15	3/4	171.55	3/4	528.44	3/4	890.13	3/4	1,252.99	3/4	1,616.55	3/4	1,975.03	3/4	2,336.97	3/4	2,700.20	3/4	3,063.52
7	1.19	7	178.97	7	536.00	7	897.65	7	1,260.56	7	1,624.13	7	1,982.56	7	2,344.53	7	2,707.77	7	3,071.09
1/4	1.23	1/4	186.38	1/4	543.57	1/4	905.18	1/4	1,268.14	1/4	1,631.70	1/4	1,990.09	1/4	2,352.10	1/4	2,715.33	1/4	3,078.64
1/2	1.28	1/2	193.80	1/2	551.14	1/2	912.71	1/2	1,275.71	1/2	1,639.28	1/2	1,997.62	1/2	2,359.66	1/2	2,722.90	1/2	3,086.20
3/4	1.32	3/4	201.21	3/4	558.70	3/4	920.24	3/4	1,283.28	3/4	1,646.85	3/4	2,005.15	3/4	2,367.23	3/4	2,730.47	3/4	3,093.76
8	1.36	8	208.63	8	566.27	8	927.77	8	1,290.86	8	1,654.43	8	2,012.68	8	2,374.79	8	2,738.04	8	3,101.31
1/4	1.40	1/4	216.22	1/4	573.84	1/4	935.30	1/4	1,298.43	1/4	1,662.00	1/4	2,020.20	1/4	2,382.36	1/4	2,745.61	1/4	3,108.87
1/2	1.45	1/2	223.82	1/2	581.40	1/2	942.83	1/2	1,306.01	1/2	1,669.57	1/2	2,027.73	1/2	2,389.92	1/2	2,753.18	1/2	3,116.42
3/4	1.49	3/4	231.41	3/4	588.97	3/4	950.36	3/4	1,313.58	3/4	1,677.15	3/4	2,035.26	3/4	2,397.49	3/4	2,760.75	3/4	3,123.98
9	1.53	9	239.00	9	596.53	9	957.89	9	1,321.16	9	1,684.72	9	2,042.79	9	2,405.05	9	2,768.32	9	3,131.54
1/4	1.57	1/4	246.59	1/4	604.10	1/4	965.42	1/4	1,328.73	1/4	1,692.14	1/4	2,050.32	1/4	2,412.62	1/4	2,775.89	1/4	3,139.09
1/2	1.62	1/2	254.19	1/2	611.67	1/2	972.96	1/2	1,336.30	1/2	1,699.56	1/2	2,057.85	1/2	2,420.18	1/2	2,783.46	1/2	3,146.65
3/4	1.66	3/4	261.78	3/4	619.23	3/4	980.50	3/4	1,343.88	3/4	1,706.98	3/4	2,065.38	3/4	2,427.75	3/4	2,791.03	3/4	3,154.20
10	1.70	10	269.37	10	626.80	10	988.04	10	1,351.45	10	1,714.40	10	2,072.90	10	2,435.31	10	2,798.60	10	3,161.76
1/4	2.34	1/4	276.76	1/4	634.38	1/4	995.57	1/4	1,359.03	1/4	1,721.81	1/4	2,080.43	1/4	2,442.87	1/4	2,806.16	1/4	3,169.32
1/2	2.97	1/2	284.15	1/2	641.96	1/2	1,003.11	1/2	1,366.60	1/2	1,729.23	1/2	2,087.96	1/2	2,450.44	1/2	2,813.73	1/2	3,176.87
3/4	3.60	3/4	291.54	3/4	649.53	3/4	1,010.66	3/4	1,374.18	3/4	1,736.65	3/4	2,095.49	3/4	2,458.00	3/4	2,821.30	3/4	3,184.43
11	4.24	11	298.93	11	657.11	11	1,018.18	11	1,381.75	11	1,744.07	11	2,103.02	11	2,465.57	11	2,828.87	11	3,191.99
1/4	6.14	1/4	306.32	1/4	664.62	1/4	1,025.76	1/4	1,389.32	1/4	1,751.45	1/4	2,110.55	1/4	2,473.13	1/4	2,836.44	1/4	3,199.54
1/2	8.04	1/2	313.71	1/2	672.12	1/2	1,033.33	1/2	1,396.90	1/2	1,758.82	1/2	2,118.07	1/2	2,480.70	1/2	2,844.01	1/2	3,207.10
3/4	9.94	3/4	321.10	3/4	679.63	3/4	1,040.91	3/4	1,404.47	3/4	1,766.20	3/4	2,125.60	3/4	2,488.26	3/4	2,851.58	3/4	3,214.65

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 82'-07 1/2" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE FMT 5070

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,222.21	0	3,584.94	0	3,940.47	0	4,107.21	0	4,266.43	0	4,417.01	0	4,520.06	0		0		0	
1/4	3,229.77	1/4	3,592.50	1/4	3,943.95	1/4	4,110.61	1/4	4,269.65	1/4	4,420.50	1/4		1/4		1/4		1/4	
1/2	3,237.32	1/2	3,600.06	1/2	3,947.43	1/2	4,114.01	1/2	4,272.86	1/2	4,423.99	1/2		1/2		1/2		1/2	
3/4	3,244.88	3/4	3,607.62	3/4	3,950.91	3/4	4,117.41	3/4	4,276.08	3/4	4,427.48	3/4		3/4		3/4		3/4	
1	3,252.44	1	3,615.18	1	3,954.40	1	4,120.82	1	4,279.30	1	4,430.97	1		1		1		1	
1/4	3,259.99	1/4	3,622.73	1/4	3,957.89	1/4	4,124.20	1/4	4,282.50	1/4	4,434.45	1/4		1/4		1/4		1/4	
1/2	3,267.55	1/2	3,630.29	1/2	3,961.39	1/2	4,127.59	1/2	4,285.70	1/2	4,437.94	1/2		1/2		1/2		1/2	
3/4	3,275.10	3/4	3,637.85	3/4	3,964.89	3/4	4,130.98	3/4	4,288.91	3/4	4,441.43	3/4		3/4		3/4		3/4	
2	3,282.66	2	3,645.41	2	3,968.38	2	4,134.37	2	4,292.11	2	4,444.91	2		2		2		2	
1/4	3,290.22	1/4	3,652.97	1/4	3,971.88	1/4	4,137.74	1/4	4,295.30	1/4	4,448.39	1/4		1/4		1/4		1/4	
1/2	3,297.77	1/2	3,660.53	1/2	3,975.38	1/2	4,141.11	1/2	4,298.49	1/2	4,451.87	1/2		1/2		1/2		1/2	
3/4	3,305.33	3/4	3,668.09	3/4	3,978.87	3/4	4,144.48	3/4	4,301.67	3/4	4,455.35	3/4		3/4		3/4		3/4	
3	3,312.89	3	3,675.65	3	3,982.37	3	4,147.86	3	4,304.86	3	4,458.83	3		3		3		3	
1/4	3,320.44	1/4	3,683.21	1/4	3,985.87	1/4	4,151.22	1/4	4,308.04	1/4	4,462.28	1/4		1/4		1/4		1/4	
1/2	3,328.00	1/2	3,690.77	1/2	3,989.36	1/2	4,154.57	1/2	4,311.21	1/2	4,465.73	1/2		1/2		1/2		1/2	
3/4	3,335.55	3/4	3,698.33	3/4	3,992.86	3/4	4,157.93	3/4	4,314.38	3/4	4,469.18	3/4		3/4		3/4		3/4	
4	3,343.11	4	3,705.89	4	3,996.36	4	4,161.29	4	4,317.56	4	4,472.64	4		4		4		4	
1/4	3,350.67	1/4	3,713.48	1/4	3,999.85	1/4	4,164.63	1/4	4,320.72	1/4	4,475.65	1/4		1/4		1/4		1/4	
1/2	3,358.22	1/2	3,721.07	1/2	4,003.35	1/2	4,167.98	1/2	4,323.88	1/2	4,478.66	1/2		1/2		1/2		1/2	
3/4	3,365.78	3/4	3,728.65	3/4	4,006.85	3/4	4,171.32	3/4	4,327.04	3/4	4,481.67	3/4		3/4		3/4		3/4	
5	3,373.33	5	3,736.24	5	4,010.35	5	4,174.66	5	4,330.19	5	4,484.68	5		5		5		5	
1/4	3,380.89	1/4	3,743.83	1/4	4,013.84	1/4	4,177.99	1/4	4,333.34	1/4	4,486.74	1/4		1/4		1/4		1/4	
1/2	3,388.45	1/2	3,751.42	1/2	4,017.34	1/2	4,181.32	1/2	4,336.48	1/2	4,488.80	1/2		1/2		1/2		1/2	
3/4	3,396.00	3/4	3,759.00	3/4	4,020.84	3/4	4,184.65	3/4	4,339.63	3/4	4,490.86	3/4		3/4		3/4		3/4	
6	3,403.56	6	3,766.59	6	4,024.33	6	4,187.98	6	4,342.77	6	4,492.93	6		6		6		6	
1/4	3,411.12	1/4	3,774.18	1/4	4,027.82	1/4	4,191.29	1/4	4,345.90	1/4	4,494.04	1/4		1/4		1/4		1/4	
1/2	3,418.67	1/2	3,781.76	1/2	4,031.31	1/2	4,194.59	1/2	4,349.03	1/2	4,495.15	1/2		1/2		1/2		1/2	
3/4	3,426.23	3/4	3,789.35	3/4	4,034.80	3/4	4,197.90	3/4	4,352.16	3/4	4,496.26	3/4		3/4		3/4		3/4	
7	3,433.78	7	3,796.94	7	4,038.29	7	4,201.20	7	4,355.29	7	4,497.37	7		7		7		7	
1/4	3,441.34	1/4	3,804.53	1/4	4,041.77	1/4	4,204.49	1/4	4,358.41	1/4	4,497.53	1/4		1/4		1/4		1/4	
1/2	3,448.90	1/2	3,812.11	1/2	4,045.24	1/2	4,207.78	1/2	4,361.52	1/2	4,497.69	1/2		1/2		1/2		1/2	
3/4	3,456.45	3/4	3,819.70	3/4	4,048.72	3/4	4,211.07	3/4	4,364.64	3/4	4,497.85	3/4		3/4		3/4		3/4	
8	3,464.01	8	3,827.29	8	4,052.19	8	4,214.36	8	4,367.75	8	4,498.01	8		8		8		8	
1/4	3,471.57	1/4	3,834.88	1/4	4,055.65	1/4	4,217.64	1/4	4,370.85	1/4	4,499.28	1/4		1/4		1/4		1/4	
1/2	3,479.12	1/2	3,842.46	1/2	4,059.11	1/2	4,220.92	1/2	4,373.96	1/2	4,500.54	1/2		1/2		1/2		1/2	
3/4	3,486.68	3/4	3,850.05	3/4	4,062.57	3/4	4,224.19	3/4	4,377.06	3/4	4,501.80	3/4		3/4		3/4		3/4	
9	3,494.23	9	3,857.64	9	4,066.03	9	4,227.47	9	4,380.16	9	4,503.07	9		9		9		9	
1/4	3,501.79	1/4	3,865.22	1/4	4,069.48	1/4	4,230.73	1/4	4,383.24	1/4	4,505.43	1/4		1/4		1/4		1/4	
1/2	3,509.35	1/2	3,872.81	1/2	4,072.93	1/2	4,233.99	1/2	4,386.33	1/2	4,507.80	1/2		1/2		1/2		1/2	
3/4	3,516.90	3/4	3,880.40	3/4	4,076.37	3/4	4,237.25	3/4	4,389.42	3/4	4,510.17	3/4		3/4		3/4		3/4	
10	3,524.46	10	3,887.99	10	4,079.82	10	4,240.51	10	4,392.50	10	4,512.53	10		10		10		10	
1/4	3,532.02	1/4	3,895.57	1/4	4,083.25	1/4	4,243.76	1/4	4,395.57	1/4	4,513.95	1/4		1/4		1/4		1/4	
1/2	3,539.58	1/2	3,903.16	1/2	4,086.68	1/2	4,247.01	1/2	4,398.64	1/2	4,515.36	1/2		1/2		1/2		1/2	
3/4	3,547.14	3/4	3,910.75	3/4	4,090.11	3/4	4,250.25	3/4	4,401.72	3/4	4,516.78	3/4		3/4		3/4		3/4	
11	3,554.70	11	3,918.34	11	4,093.54	11	4,253.50	11	4,404.79	11	4,518.20	11		11		11		11	
1/4	3,562.26	1/4	3,923.87	1/4	4,096.96	1/4	4,256.73	1/4	4,407.84	1/4	4,518.66	1/4		1/4		1/4		1/4	
1/2	3,569.82	1/2	3,929.40	1/2	4,100.38	1/2	4,259.96	1/2	4,410.90	1/2	4,519.13	1/2		1/2		1/2		1/2	
3/4	3,577.38	3/4	3,934.94	3/4	4,103.79	3/4	4,263.20	3/4	4,413.96	3/4	4,519.59	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
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BARGE FMT 5070

ULLAGE TRIM TABLE (10" HATCH)

	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	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-1/4	12-1/4
1 STBD	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/8	08-1/8	- 10-1/4	10-1/4	- 12-1/4	12-1/4
2 PORT	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/4	08-1/4	- 10-1/4	10-1/4	- 12-1/4	12-1/4
2 STBD	- 02-0/8	02-0/8	- 04-1/8	04-1/8	- 06-1/8	06-1/8	- 08-1/4	08-1/4	- 10-1/4	10-1/4	- 12-1/4	12-1/4
3 PORT	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/4	- 10-1/4	12-1/4	- 12-1/4
3 STBD	02-0/8	- 02-0/8	04-1/8	- 04-1/8	06-1/8	- 06-1/8	08-1/8	- 08-1/8	10-1/4	- 10-1/4	12-1/4	- 12-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

LENGTH BETWEEN DRAFT MARKS: 234'-03"

April 8, 2016

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 04-1/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-04 1/8"

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BARGE FMT 5070

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-09 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	5,173.28	0	4,880.76	0	4,549.76	0	4,199.68	0	3,835.25	0	3,469.93	0	3,104.62	0	2,739.31
1/4		1/4		1/4	5,170.92	1/4	4,874.05	1/4	4,542.66	1/4	4,192.18	1/4	3,827.64	1/4	3,462.32	1/4	3,097.01	1/4	2,731.70
1/2		1/2		1/2	5,168.57	1/2	4,867.34	1/2	4,535.57	1/2	4,184.68	1/2	3,820.03	1/2	3,454.71	1/2	3,089.40	1/2	2,724.08
3/4		3/4		3/4	5,166.21	3/4	4,860.62	3/4	4,528.47	3/4	4,177.18	3/4	3,812.41	3/4	3,447.10	3/4	3,081.79	3/4	2,716.47
1		1		1	5,162.90	1	4,853.88	1	4,521.35	1	4,169.65	1	3,804.80	1	3,439.49	1	3,074.18	1	2,708.86
1/4		1/4		1/4	5,159.60	1/4	4,847.13	1/4	4,514.22	1/4	4,162.12	1/4	3,797.19	1/4	3,431.88	1/4	3,066.57	1/4	2,701.25
1/2		1/2		1/2	5,156.29	1/2	4,840.39	1/2	4,507.09	1/2	4,154.59	1/2	3,789.58	1/2	3,424.27	1/2	3,058.96	1/2	2,693.64
3/4		3/4		3/4	5,152.98	3/4	4,833.64	3/4	4,499.97	3/4	4,147.05	3/4	3,781.97	3/4	3,416.66	3/4	3,051.34	3/4	2,686.03
2		2		2	5,148.72	2	4,826.87	2	4,492.81	2	4,139.49	2	3,774.36	2	3,409.05	2	3,043.73	2	2,678.42
1/4		1/4		1/4	5,144.47	1/4	4,820.09	1/4	4,485.65	1/4	4,131.93	1/4	3,766.75	1/4	3,401.44	1/4	3,036.12	1/4	2,670.81
1/2		1/2		1/2	5,140.21	1/2	4,813.31	1/2	4,478.49	1/2	4,124.37	1/2	3,759.14	1/2	3,393.83	1/2	3,028.51	1/2	2,663.20
3/4		3/4		3/4	5,135.95	3/4	4,806.54	3/4	4,471.33	3/4	4,116.80	3/4	3,751.53	3/4	3,386.22	3/4	3,020.90	3/4	2,655.59
3		3		3	5,130.74	3	4,799.73	3	4,464.14	3	4,109.20	3	3,743.92	3	3,378.60	3	3,013.29	3	2,647.98
1/4		1/4		1/4	5,125.53	1/4	4,792.92	1/4	4,456.95	1/4	4,101.60	1/4	3,736.31	1/4	3,370.99	1/4	3,005.68	1/4	2,640.37
1/2		1/2		1/2	5,120.32	1/2	4,786.11	1/2	4,449.76	1/2	4,094.00	1/2	3,728.70	1/2	3,363.38	1/2	2,998.07	1/2	2,632.76
3/4		3/4		3/4	5,115.11	3/4	4,779.30	3/4	4,442.57	3/4	4,086.40	3/4	3,721.09	3/4	3,355.77	3/4	2,990.46	3/4	2,625.15
4		4		4	5,108.95	4	4,772.46	4	4,435.32	4	4,078.79	4	3,713.48	4	3,348.16	4	2,982.85	4	2,617.53
1/4		1/4		1/4	5,102.79	1/4	4,765.62	1/4	4,428.08	1/4	4,071.18	1/4	3,705.87	1/4	3,340.55	1/4	2,975.24	1/4	2,609.92
1/2		1/2		1/2	5,096.63	1/2	4,758.78	1/2	4,420.83	1/2	4,063.57	1/2	3,698.25	1/2	3,332.94	1/2	2,967.63	1/2	2,602.31
3/4		3/4		3/4	5,090.46	3/4	4,751.94	3/4	4,413.59	3/4	4,055.96	3/4	3,690.64	3/4	3,325.33	3/4	2,960.02	3/4	2,594.70
5		5		5	5,083.35	5	4,745.07	5	4,406.31	5	4,048.35	5	3,683.03	5	3,317.72	5	2,952.41	5	2,587.09
1/4		1/4		1/4	5,076.24	1/4	4,738.20	1/4	4,399.04	1/4	4,040.74	1/4	3,675.42	1/4	3,310.11	1/4	2,944.79	1/4	2,579.48
1/2		1/2		1/2	5,069.13	1/2	4,731.33	1/2	4,391.76	1/2	4,033.13	1/2	3,667.81	1/2	3,302.50	1/2	2,937.18	1/2	2,571.87
3/4		3/4		3/4	5,062.02	3/4	4,724.46	3/4	4,384.48	3/4	4,025.51	3/4	3,660.20	3/4	3,294.89	3/4	2,929.57	3/4	2,564.26
6		6		6	5,054.47	6	4,717.55	6	4,377.18	6	4,017.90	6	3,652.59	6	3,287.28	6	2,921.96	6	2,556.65
1/4		1/4		1/4	5,046.91	1/4	4,710.65	1/4	4,369.87	1/4	4,010.29	1/4	3,644.98	1/4	3,279.67	1/4	2,914.35	1/4	2,549.04
1/2		1/2		1/2	5,039.36	1/2	4,703.74	1/2	4,362.56	1/2	4,002.68	1/2	3,637.37	1/2	3,272.06	1/2	2,906.74	1/2	2,541.43
3/4		3/4		3/4	5,031.81	3/4	4,696.84	3/4	4,355.25	3/4	3,995.07	3/4	3,629.76	3/4	3,264.44	3/4	2,899.13	3/4	2,533.82
7		7		7	5,024.23	7	4,689.90	7	4,347.91	7	3,987.46	7	3,622.15	7	3,256.83	7	2,891.52	7	2,526.21
1/4		1/4		1/4	5,016.65	1/4	4,682.97	1/4	4,340.57	1/4	3,979.85	1/4	3,614.54	1/4	3,249.22	1/4	2,883.91	1/4	2,518.60
1/2		1/2		1/2	5,009.07	1/2	4,676.03	1/2	4,333.23	1/2	3,972.24	1/2	3,606.93	1/2	3,241.61	1/2	2,876.30	1/2	2,510.99
3/4		3/4		3/4	5,001.49	3/4	4,669.10	3/4	4,325.89	3/4	3,964.63	3/4	3,599.32	3/4	3,234.00	3/4	2,868.69	3/4	2,503.37
8		8		8	4,993.91	8	4,662.13	8	4,318.52	8	3,957.02	8	3,591.70	8	3,226.39	8	2,861.08	8	2,495.76
1/4		1/4		1/4	4,986.32	1/4	4,655.16	1/4	4,311.15	1/4	3,949.41	1/4	3,584.09	1/4	3,218.78	1/4	2,853.47	1/4	2,488.15
1/2		1/2		1/2	4,978.73	1/2	4,648.19	1/2	4,303.78	1/2	3,941.80	1/2	3,576.48	1/2	3,211.17	1/2	2,845.86	1/2	2,480.54
3/4		3/4		3/4	4,971.15	3/4	4,641.23	3/4	4,296.40	3/4	3,934.19	3/4	3,568.87	3/4	3,203.56	3/4	2,838.25	3/4	2,472.93
9		9		9	4,963.56	9	4,634.23	9	4,289.00	9	3,926.58	9	3,561.26	9	3,195.95	9	2,830.63	9	2,465.32
1/4		1/4		1/4	4,955.97	1/4	4,627.23	1/4	4,281.60	1/4	3,918.96	1/4	3,553.65	1/4	3,188.34	1/4	2,823.02	1/4	2,457.71
1/2		1/2		1/2	4,948.38	1/2	4,620.23	1/2	4,274.19	1/2	3,911.35	1/2	3,546.04	1/2	3,180.73	1/2	2,815.41	1/2	2,450.10
3/4		3/4	5,183.06	3/4	4,940.79	3/4	4,613.23	3/4	4,266.79	3/4	3,903.74	3/4	3,538.43	3/4	3,173.12	3/4	2,807.80	3/4	2,442.49
10		10	5,182.61	10	4,934.14	10	4,606.20	10	4,259.35	10	3,896.13	10	3,530.82	10	3,165.51	10	2,800.19	10	2,434.88
1/4		1/4	5,182.15	1/4	4,927.50	1/4	4,599.17	1/4	4,251.92	1/4	3,888.52	1/4	3,523.21	1/4	3,157.89	1/4	2,792.58	1/4	2,427.27
1/2		1/2	5,181.70	1/2	4,920.85	1/2	4,592.14	1/2	4,244.48	1/2	3,880.91	1/2	3,515.60	1/2	3,150.28	1/2	2,784.97	1/2	2,419.66
3/4		3/4	5,181.25	3/4	4,914.20	3/4	4,585.10	3/4	4,237.05	3/4	3,873.30	3/4	3,507.99	3/4	3,142.67	3/4	2,777.36	3/4	2,412.05
11		11	5,179.85	11	4,907.52	11	4,578.04	11	4,229.58	11	3,865.69	11	3,500.38	11	3,135.06	11	2,769.75	11	2,404.44
1/4		1/4	5,178.44	1/4	4,900.84	1/4	4,570.98	1/4	4,222.11	1/4	3,858.08	1/4	3,492.77	1/4	3,127.45	1/4	2,762.14	1/4	2,396.82
1/2		1/2	5,177.04	1/2	4,894.15	1/2	4,563.92	1/2	4,214.64	1/2	3,850.47	1/2	3,485.15	1/2	3,119.84	1/2	2,754.53	1/2	2,389.21
3/4		3/4	5,175.63	3/4	4,887.47	3/4	4,556.85	3/4	4,207.18	3/4	3,842.86	3/4	3,477.54	3/4	3,112.23	3/4	2,746.92	3/4	2,381.60

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

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

BARGE FMT 5070

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-09 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	2,373.99	0	2,008.68	0	1,644.17	0	1,278.94	0	914.72	0	553.35	0	208.77	0	1.66	0		0	
1/4	2,366.38	1/4	2,001.07	1/4	1,636.59	1/4	1,271.33	1/4	907.19	1/4	545.75	1/4	201.97	1/4	1.61	1/4		1/4	
1/2	2,358.77	1/2	1,993.46	1/2	1,629.02	1/2	1,263.72	1/2	899.66	1/2	538.15	1/2	195.18	1/2	1.57	1/2		1/2	
3/4	2,351.16	3/4	1,985.85	3/4	1,621.45	3/4	1,256.11	3/4	892.13	3/4	530.55	3/4	188.38	3/4	1.53	3/4		3/4	
1	2,343.55	1	1,978.24	1	1,613.84	1	1,248.50	1	884.61	1	522.95	1	181.67	1	1.49	1		1	
1/4	2,335.94	1/4	1,970.63	1/4	1,606.23	1/4	1,240.89	1/4	877.09	1/4	515.35	1/4	174.96	1/4	1.44	1/4		1/4	
1/2	2,328.33	1/2	1,963.01	1/2	1,598.61	1/2	1,233.28	1/2	869.57	1/2	507.75	1/2	168.25	1/2	1.40	1/2		1/2	
3/4	2,320.72	3/4	1,955.40	3/4	1,591.00	3/4	1,225.67	3/4	862.05	3/4	500.15	3/4	161.54	3/4	1.36	3/4		3/4	
2	2,313.11	2	1,947.79	2	1,583.39	2	1,218.05	2	854.53	2	492.55	2	155.09	2	1.32	2		2	
1/4	2,305.50	1/4	1,940.18	1/4	1,575.78	1/4	1,210.44	1/4	847.01	1/4	484.95	1/4	148.64	1/4	1.27	1/4		1/4	
1/2	2,297.89	1/2	1,932.57	1/2	1,568.17	1/2	1,202.83	1/2	839.48	1/2	477.35	1/2	142.19	1/2	1.23	1/2		1/2	
3/4	2,290.27	3/4	1,924.96	3/4	1,560.56	3/4	1,195.22	3/4	831.96	3/4	469.75	3/4	135.75	3/4	1.19	3/4		3/4	
3	2,282.66	3	1,917.35	3	1,552.95	3	1,187.61	3	824.44	3	462.19	3	129.38	3	1.15	3		3	
1/4	2,275.05	1/4	1,909.74	1/4	1,545.34	1/4	1,180.00	1/4	816.92	1/4	454.63	1/4	123.02	1/4	1.10	1/4		1/4	
1/2	2,267.44	1/2	1,902.13	1/2	1,537.72	1/2	1,172.39	1/2	809.40	1/2	447.07	1/2	116.66	1/2	1.06	1/2		1/2	
3/4	2,259.83	3/4	1,894.52	3/4	1,530.11	3/4	1,164.78	3/4	801.88	3/4	439.52	3/4	110.29	3/4	1.02	3/4		3/4	
4	2,252.22	4	1,886.91	4	1,522.50	4	1,157.16	4	794.36	4	432.22	4	104.02	4	0.98	4		4	
1/4	2,244.61	1/4	1,879.30	1/4	1,514.89	1/4	1,149.55	1/4	786.83	1/4	424.92	1/4	97.75	1/4	0.93	1/4		1/4	
1/2	2,237.00	1/2	1,871.69	1/2	1,507.28	1/2	1,141.94	1/2	779.31	1/2	417.63	1/2	91.49	1/2	0.89	1/2		1/2	
3/4	2,229.39	3/4	1,864.08	3/4	1,499.67	3/4	1,134.33	3/4	771.79	3/4	410.33	3/4	85.22	3/4	0.85	3/4		3/4	
5	2,221.78	5	1,856.46	5	1,492.06	5	1,126.72	5	764.27	5	403.12	5	79.05	5	0.81	5		5	
1/4	2,214.17	1/4	1,848.85	1/4	1,484.45	1/4	1,119.11	1/4	756.76	1/4	395.91	1/4	72.88	1/4	0.76	1/4		1/4	
1/2	2,206.56	1/2	1,841.24	1/2	1,476.83	1/2	1,111.50	1/2	749.24	1/2	388.69	1/2	66.71	1/2	0.72	1/2		1/2	
3/4	2,198.95	3/4	1,833.63	3/4	1,469.22	3/4	1,103.89	3/4	741.72	3/4	381.48	3/4	60.54	3/4	0.68	3/4		3/4	
6	2,191.34	6	1,826.02	6	1,461.61	6	1,096.27	6	734.21	6	374.36	6	55.05	6	0.64	6		6	
1/4	2,183.72	1/4	1,818.41	1/4	1,454.00	1/4	1,088.66	1/4	726.69	1/4	367.23	1/4	49.57	1/4	0.59	1/4		1/4	
1/2	2,176.11	1/2	1,810.80	1/2	1,446.39	1/2	1,081.05	1/2	719.17	1/2	360.10	1/2	44.08	1/2	0.55	1/2		1/2	
3/4	2,168.50	3/4	1,803.19	3/4	1,438.78	3/4	1,073.44	3/4	711.66	3/4	352.97	3/4	38.60	3/4	0.51	3/4		3/4	
7	2,160.89	7	1,795.62	7	1,431.17	7	1,065.87	7	704.14	7	345.93	7	34.46	7	0.47	7		7	
1/4	2,153.28	1/4	1,788.04	1/4	1,423.56	1/4	1,058.31	1/4	696.62	1/4	338.89	1/4	30.33	1/4	0.42	1/4		1/4	
1/2	2,145.67	1/2	1,780.47	1/2	1,415.95	1/2	1,050.74	1/2	689.11	1/2	331.85	1/2	26.20	1/2	0.38	1/2		1/2	
3/4	2,138.06	3/4	1,772.90	3/4	1,408.33	3/4	1,043.17	3/4	681.59	3/4	324.81	3/4	22.06	3/4	0.34	3/4		3/4	
8	2,130.45	8	1,765.33	8	1,400.72	8	1,035.61	8	674.07	8	317.86	8	19.28	8	0.30	8		8	
1/4	2,122.84	1/4	1,757.75	1/4	1,393.11	1/4	1,028.04	1/4	666.56	1/4	310.91	1/4	16.50	1/4	0.25	1/4		1/4	
1/2	2,115.23	1/2	1,750.18	1/2	1,385.50	1/2	1,020.47	1/2	659.04	1/2	303.97	1/2	13.72	1/2	0.21	1/2		1/2	
3/4	2,107.62	3/4	1,742.61	3/4	1,377.89	3/4	1,012.91	3/4	651.53	3/4	297.02	3/4	10.94	3/4	0.17	3/4		3/4	
9	2,100.01	9	1,735.04	9	1,370.28	9	1,005.34	9	644.01	9	290.15	9	9.52	9	0.12	9		9	
1/4	2,092.40	1/4	1,727.46	1/4	1,362.67	1/4	997.77	1/4	636.49	1/4	283.27	1/4	8.09	1/4	0.08	1/4		1/4	
1/2	2,084.79	1/2	1,719.89	1/2	1,355.06	1/2	990.21	1/2	628.98	1/2	276.40	1/2	6.66	1/2	0.04	1/2		1/2	
3/4	2,077.18	3/4	1,712.32	3/4	1,347.44	3/4	982.64	3/4	621.46	3/4	269.53	3/4	5.24	3/4	0.00	3/4		3/4	
10	2,069.56	10	1,704.75	10	1,339.83	10	975.07	10	613.94	10	262.74	10	4.99	10		10		10	
1/4	2,061.95	1/4	1,697.17	1/4	1,332.22	1/4	967.51	1/4	606.43	1/4	255.95	1/4	4.74	1/4		1/4		1/4	
1/2	2,054.34	1/2	1,689.60	1/2	1,324.61	1/2	959.94	1/2	598.91	1/2	249.16	1/2	4.49	1/2		1/2		1/2	
3/4	2,046.73	3/4	1,682.03	3/4	1,317.00	3/4	952.37	3/4	591.39	3/4	242.38	3/4	4.24	3/4		3/4		3/4	
11	2,039.12	11	1,674.46	11	1,309.39	11	944.84	11	583.78	11	235.67	11	3.60	11		11		11	
1/4	2,031.51	1/4	1,666.88	1/4	1,301.78	1/4	937.31	1/4	576.17	1/4	228.97	1/4	2.97	1/4		1/4		1/4	
1/2	2,023.90	1/2	1,659.31	1/2	1,294.17	1/2	929.78	1/2	568.56	1/2	222.27	1/2	2.33	1/2		1/2		1/2	
3/4	2,016.29	3/4	1,651.74	3/4	1,286.55	3/4	922.25	3/4	560.95	3/4	215.56	3/4	1.70	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
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BARGE FMT 5070

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

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	5,176.19	0	4,888.15	0	4,557.63	0	4,208.11	0	3,843.99	0	3,478.85	0	3,113.71	0	2,748.57
1/4		1/4		1/4	5,173.83	1/4	4,881.44	1/4	4,550.54	1/4	4,200.61	1/4	3,836.38	1/4	3,471.24	1/4	3,106.10	1/4	2,740.96
1/2		1/2		1/2	5,171.48	1/2	4,874.73	1/2	4,543.45	1/2	4,193.11	1/2	3,828.77	1/2	3,463.63	1/2	3,098.49	1/2	2,733.35
3/4		3/4		3/4	5,169.12	3/4	4,868.01	3/4	4,536.36	3/4	4,185.62	3/4	3,821.17	3/4	3,456.03	3/4	3,090.89	3/4	2,725.75
1		1		1	5,166.77	1	4,861.30	1	4,529.27	1	4,178.12	1	3,813.56	1	3,448.42	1	3,083.28	1	2,718.14
1/4		1/4		1/4	5,163.46	1/4	4,854.56	1/4	4,522.14	1/4	4,170.59	1/4	3,805.95	1/4	3,440.81	1/4	3,075.67	1/4	2,710.53
1/2		1/2		1/2	5,160.16	1/2	4,847.82	1/2	4,515.02	1/2	4,163.07	1/2	3,798.35	1/2	3,433.21	1/2	3,068.06	1/2	2,702.92
3/4		3/4		3/4	5,156.85	3/4	4,841.08	3/4	4,507.89	3/4	4,155.54	3/4	3,790.74	3/4	3,425.60	3/4	3,060.46	3/4	2,695.32
2		2		2	5,153.55	2	4,834.33	2	4,500.77	2	4,148.01	2	3,783.13	2	3,417.99	2	3,052.85	2	2,687.71
1/4		1/4		1/4	5,149.29	1/4	4,827.56	1/4	4,493.61	1/4	4,140.45	1/4	3,775.53	1/4	3,410.38	1/4	3,045.24	1/4	2,680.10
1/2		1/2		1/2	5,145.03	1/2	4,820.78	1/2	4,486.46	1/2	4,132.89	1/2	3,767.92	1/2	3,402.78	1/2	3,037.64	1/2	2,672.50
3/4		3/4		3/4	5,140.78	3/4	4,814.01	3/4	4,479.30	3/4	4,125.33	3/4	3,760.31	3/4	3,395.17	3/4	3,030.03	3/4	2,664.89
3		3		3	5,136.52	3	4,807.24	3	4,472.15	3	4,117.77	3	3,752.70	3	3,387.56	3	3,022.42	3	2,657.28
1/4		1/4		1/4	5,131.31	1/4	4,800.43	1/4	4,464.96	1/4	4,110.18	1/4	3,745.10	1/4	3,379.96	1/4	3,014.82	1/4	2,649.67
1/2		1/2		1/2	5,126.11	1/2	4,793.62	1/2	4,457.77	1/2	4,102.60	1/2	3,737.49	1/2	3,372.35	1/2	3,007.21	1/2	2,642.07
3/4		3/4		3/4	5,120.90	3/4	4,786.82	3/4	4,450.58	3/4	4,095.01	3/4	3,729.88	3/4	3,364.74	3/4	2,999.60	3/4	2,634.46
4		4		4	5,115.69	4	4,780.01	4	4,443.40	4	4,087.42	4	3,722.28	4	3,357.13	4	2,991.99	4	2,626.85
1/4		1/4		1/4	5,109.53	1/4	4,773.17	1/4	4,436.15	1/4	4,079.81	1/4	3,714.67	1/4	3,349.53	1/4	2,984.39	1/4	2,619.25
1/2		1/2		1/2	5,103.38	1/2	4,766.33	1/2	4,428.91	1/2	4,072.20	1/2	3,707.06	1/2	3,341.92	1/2	2,976.78	1/2	2,611.64
3/4		3/4		3/4	5,097.22	3/4	4,759.50	3/4	4,421.67	3/4	4,064.60	3/4	3,699.45	3/4	3,334.31	3/4	2,969.17	3/4	2,604.03
5		5		5	5,091.06	5	4,752.66	5	4,414.43	5	4,056.99	5	3,691.85	5	3,326.71	5	2,961.57	5	2,596.42
1/4		1/4		1/4	5,083.95	1/4	4,745.79	1/4	4,407.16	1/4	4,049.38	1/4	3,684.24	1/4	3,319.10	1/4	2,953.96	1/4	2,588.82
1/2		1/2		1/2	5,076.84	1/2	4,738.92	1/2	4,399.88	1/2	4,041.77	1/2	3,676.63	1/2	3,311.49	1/2	2,946.35	1/2	2,581.21
3/4		3/4		3/4	5,069.74	3/4	4,732.05	3/4	4,392.61	3/4	4,034.17	3/4	3,669.03	3/4	3,303.89	3/4	2,938.74	3/4	2,573.60
6		6		6	5,062.63	6	4,725.18	6	4,385.34	6	4,026.56	6	3,661.42	6	3,296.28	6	2,931.14	6	2,566.00
1/4		1/4		1/4	5,055.08	1/4	4,718.28	1/4	4,378.03	1/4	4,018.95	1/4	3,653.81	1/4	3,288.67	1/4	2,923.53	1/4	2,558.39
1/2		1/2		1/2	5,047.53	1/2	4,711.38	1/2	4,370.73	1/2	4,011.35	1/2	3,646.20	1/2	3,281.06	1/2	2,915.92	1/2	2,550.78
3/4		3/4		3/4	5,039.98	3/4	4,704.47	3/4	4,363.42	3/4	4,003.74	3/4	3,638.60	3/4	3,273.46	3/4	2,908.32	3/4	2,543.18
7		7		7	5,032.43	7	4,697.57	7	4,356.11	7	3,996.13	7	3,630.99	7	3,265.85	7	2,900.71	7	2,535.57
1/4		1/4		1/4	5,024.85	1/4	4,690.64	1/4	4,348.78	1/4	3,988.52	1/4	3,623.38	1/4	3,258.24	1/4	2,893.10	1/4	2,527.96
1/2		1/2		1/2	5,017.28	1/2	4,683.71	1/2	4,341.44	1/2	3,980.92	1/2	3,615.78	1/2	3,250.64	1/2	2,885.49	1/2	2,520.35
3/4		3/4		3/4	5,009.70	3/4	4,676.77	3/4	4,334.10	3/4	3,973.31	3/4	3,608.17	3/4	3,243.03	3/4	2,877.89	3/4	2,512.75
8		8		8	5,002.13	8	4,669.84	8	4,326.77	8	3,965.70	8	3,600.56	8	3,235.42	8	2,870.28	8	2,505.14
1/4		1/4		1/4	4,994.54	1/4	4,662.87	1/4	4,319.40	1/4	3,958.10	1/4	3,592.96	1/4	3,227.81	1/4	2,862.67	1/4	2,497.53
1/2		1/2		1/2	4,986.96	1/2	4,655.91	1/2	4,312.03	1/2	3,950.49	1/2	3,585.35	1/2	3,220.21	1/2	2,855.07	1/2	2,489.93
3/4		3/4		3/4	4,979.38	3/4	4,648.94	3/4	4,304.66	3/4	3,942.88	3/4	3,577.74	3/4	3,212.60	3/4	2,847.46	3/4	2,482.32
9		9		9	4,971.79	9	4,641.98	9	4,297.29	9	3,935.27	9	3,570.13	9	3,204.99	9	2,839.85	9	2,474.71
1/4		1/4		1/4	4,964.21	1/4	4,634.98	1/4	4,289.89	1/4	3,927.67	1/4	3,562.53	1/4	3,197.39	1/4	2,832.24	1/4	2,467.10
1/2		1/2		1/2	4,956.62	1/2	4,627.99	1/2	4,282.49	1/2	3,920.06	1/2	3,554.92	1/2	3,189.78	1/2	2,824.64	1/2	2,459.50
3/4		3/4		3/4	4,949.04	3/4	4,620.99	3/4	4,275.09	3/4	3,912.45	3/4	3,547.31	3/4	3,182.17	3/4	2,817.03	3/4	2,451.89
10		10	5,183.61	10	4,941.45	10	4,613.99	10	4,267.69	10	3,904.85	10	3,539.71	10	3,174.56	10	2,809.42	10	2,444.28
1/4		1/4	5,183.16	1/4	4,934.81	1/4	4,606.96	1/4	4,260.26	1/4	3,897.24	1/4	3,532.10	1/4	3,166.96	1/4	2,801.82	1/4	2,436.68
1/2		1/2	5,182.71	1/2	4,928.16	1/2	4,599.93	1/2	4,252.83	1/2	3,889.63	1/2	3,524.49	1/2	3,159.35	1/2	2,794.21	1/2	2,429.07
3/4		3/4	5,182.25	3/4	4,921.51	3/4	4,592.90	3/4	4,245.39	3/4	3,882.02	3/4	3,516.88	3/4	3,151.74	3/4	2,786.60	3/4	2,421.46
11		11	5,181.80	11	4,914.86	11	4,585.88	11	4,237.96	11	3,874.42	11	3,509.28	11	3,144.14	11	2,779.00	11	2,413.85
1/4		1/4	5,180.40	1/4	4,908.18	1/4	4,578.82	1/4	4,230.50	1/4	3,866.81	1/4	3,501.67	1/4	3,136.53	1/4	2,771.39	1/4	2,406.25
1/2		1/2	5,178.99	1/2	4,901.51	1/2	4,571.76	1/2	4,223.03	1/2	3,859.20	1/2	3,494.06	1/2	3,128.92	1/2	2,763.78	1/2	2,398.64
3/4		3/4	5,177.59	3/4	4,894.83	3/4	4,564.69	3/4	4,215.57	3/4	3,851.60	3/4	3,486.46	3/4	3,121.31	3/4	2,756.17	3/4	2,391.03

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

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

BARGE FMT 5070

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

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	2,383.43	0	2,018.29	0	1,653.91	0	1,288.90	0	923.89	0	560.80	0	215.55	0	1.70	0		0	
1/4	2,375.82	1/4	2,010.68	1/4	1,646.34	1/4	1,281.29	1/4	916.32	1/4	553.21	1/4	208.76	1/4	1.66	1/4		1/4	
1/2	2,368.21	1/2	2,003.07	1/2	1,638.77	1/2	1,273.69	1/2	908.75	1/2	545.61	1/2	201.97	1/2	1.62	1/2		1/2	
3/4	2,360.60	3/4	1,995.46	3/4	1,631.20	3/4	1,266.08	3/4	901.18	3/4	538.01	3/4	195.18	3/4	1.58	3/4		3/4	
1	2,353.00	1	1,987.86	1	1,623.63	1	1,258.47	1	893.61	1	530.42	1	188.38	1	1.53	1		1	
1/4	2,345.39	1/4	1,980.25	1/4	1,616.02	1/4	1,250.86	1/4	886.04	1/4	522.82	1/4	181.67	1/4	1.49	1/4		1/4	
1/2	2,337.78	1/2	1,972.64	1/2	1,608.42	1/2	1,243.26	1/2	878.48	1/2	515.22	1/2	174.97	1/2	1.45	1/2		1/2	
3/4	2,330.18	3/4	1,965.04	3/4	1,600.81	3/4	1,235.65	3/4	870.92	3/4	507.63	3/4	168.26	3/4	1.41	3/4		3/4	
2	2,322.57	2	1,957.43	2	1,593.20	2	1,228.04	2	863.36	2	500.03	2	161.55	2	1.36	2		2	
1/4	2,314.96	1/4	1,949.82	1/4	1,585.59	1/4	1,220.43	1/4	855.79	1/4	492.43	1/4	155.10	1/4	1.32	1/4		1/4	
1/2	2,307.35	1/2	1,942.21	1/2	1,577.99	1/2	1,212.83	1/2	848.23	1/2	484.84	1/2	148.65	1/2	1.28	1/2		1/2	
3/4	2,299.75	3/4	1,934.61	3/4	1,570.38	3/4	1,205.22	3/4	840.67	3/4	477.24	3/4	142.21	3/4	1.24	3/4		3/4	
3	2,292.14	3	1,927.00	3	1,562.77	3	1,197.61	3	833.11	3	469.64	3	135.76	3	1.20	3		3	
1/4	2,284.53	1/4	1,919.39	1/4	1,555.16	1/4	1,190.00	1/4	825.54	1/4	462.09	1/4	129.40	1/4	1.15	1/4		1/4	
1/2	2,276.93	1/2	1,911.79	1/2	1,547.56	1/2	1,182.40	1/2	817.98	1/2	454.54	1/2	123.03	1/2	1.11	1/2		1/2	
3/4	2,269.32	3/4	1,904.18	3/4	1,539.95	3/4	1,174.79	3/4	810.42	3/4	446.98	3/4	116.67	3/4	1.07	3/4		3/4	
4	2,261.71	4	1,896.57	4	1,532.34	4	1,167.18	4	802.86	4	439.43	4	110.31	4	1.03	4		4	
1/4	2,254.11	1/4	1,888.96	1/4	1,524.73	1/4	1,159.57	1/4	795.30	1/4	432.13	1/4	104.04	1/4	0.98	1/4		1/4	
1/2	2,246.50	1/2	1,881.36	1/2	1,517.13	1/2	1,151.97	1/2	787.73	1/2	424.84	1/2	97.78	1/2	0.94	1/2		1/2	
3/4	2,238.89	3/4	1,873.75	3/4	1,509.52	3/4	1,144.36	3/4	780.17	3/4	417.55	3/4	91.51	3/4	0.90	3/4		3/4	
5	2,231.28	5	1,866.14	5	1,501.91	5	1,136.75	5	772.61	5	410.25	5	85.24	5	0.86	5		5	
1/4	2,223.68	1/4	1,858.54	1/4	1,494.30	1/4	1,129.14	1/4	765.05	1/4	403.05	1/4	79.07	1/4	0.81	1/4		1/4	
1/2	2,216.07	1/2	1,850.93	1/2	1,486.70	1/2	1,121.54	1/2	757.49	1/2	395.84	1/2	72.90	1/2	0.77	1/2		1/2	
3/4	2,208.46	3/4	1,843.32	3/4	1,479.09	3/4	1,113.93	3/4	749.94	3/4	388.63	3/4	66.73	3/4	0.73	3/4		3/4	
6	2,200.86	6	1,835.71	6	1,471.48	6	1,106.32	6	742.38	6	381.42	6	60.56	6	0.69	6		6	
1/4	2,193.25	1/4	1,828.11	1/4	1,463.87	1/4	1,098.71	1/4	734.82	1/4	374.29	1/4	55.08	1/4	0.64	1/4		1/4	
1/2	2,185.64	1/2	1,820.50	1/2	1,456.27	1/2	1,091.11	1/2	727.26	1/2	367.17	1/2	49.59	1/2	0.60	1/2		1/2	
3/4	2,178.03	3/4	1,812.89	3/4	1,448.66	3/4	1,083.50	3/4	719.71	3/4	360.05	3/4	44.11	3/4	0.56	3/4		3/4	
7	2,170.43	7	1,805.29	7	1,441.05	7	1,075.89	7	712.15	7	352.92	7	38.62	7	0.52	7		7	
1/4	2,162.82	1/4	1,797.72	1/4	1,433.44	1/4	1,068.28	1/4	704.59	1/4	345.88	1/4	34.49	1/4	0.47	1/4		1/4	
1/2	2,155.21	1/2	1,790.15	1/2	1,425.84	1/2	1,060.68	1/2	697.03	1/2	338.84	1/2	30.36	1/2	0.43	1/2		1/2	
3/4	2,147.61	3/4	1,782.58	3/4	1,418.23	3/4	1,053.07	3/4	689.48	3/4	331.80	3/4	26.22	3/4	0.39	3/4		3/4	
8	2,140.00	8	1,775.01	8	1,410.62	8	1,045.46	8	681.92	8	324.76	8	22.09	8	0.35	8		8	
1/4	2,132.39	1/4	1,767.44	1/4	1,403.01	1/4	1,037.85	1/4	674.36	1/4	317.82	1/4	19.31	1/4	0.30	1/4		1/4	
1/2	2,124.78	1/2	1,759.87	1/2	1,395.41	1/2	1,030.25	1/2	666.81	1/2	310.87	1/2	16.53	1/2	0.26	1/2		1/2	
3/4	2,117.18	3/4	1,752.30	3/4	1,387.80	3/4	1,022.64	3/4	659.25	3/4	303.93	3/4	13.75	3/4	0.22	3/4		3/4	
9	2,109.57	9	1,744.73	9	1,380.19	9	1,015.03	9	651.69	9	296.99	9	10.96	9	0.18	9		9	
1/4	2,101.96	1/4	1,737.17	1/4	1,372.58	1/4	1,007.42	1/4	644.13	1/4	290.11	1/4	9.54	1/4	0.13	1/4		1/4	
1/2	2,094.36	1/2	1,729.60	1/2	1,364.98	1/2	999.82	1/2	636.58	1/2	283.24	1/2	8.11	1/2	0.09	1/2		1/2	
3/4	2,086.75	3/4	1,722.03	3/4	1,357.37	3/4	992.21	3/4	629.02	3/4	276.37	3/4	6.68	3/4	0.05	3/4		3/4	
10	2,079.14	10	1,714.46	10	1,349.76	10	984.60	10	621.46	10	269.50	10	5.25	10	0.00	10		10	
1/4	2,071.53	1/4	1,706.89	1/4	1,342.15	1/4	976.99	1/4	613.90	1/4	262.72	1/4	5.00	1/4		1/4		1/4	
1/2	2,063.93	1/2	1,699.32	1/2	1,334.55	1/2	969.39	1/2	606.35	1/2	255.93	1/2	4.74	1/2		1/2		1/2	
3/4	2,056.32	3/4	1,691.75	3/4	1,326.94	3/4	961.78	3/4	598.79	3/4	249.15	3/4	4.49	3/4		3/4		3/4	
11	2,048.71	11	1,684.18	11	1,319.33	11	954.17	11	591.23	11	242.36	11	4.24	11		11		11	
1/4	2,041.11	1/4	1,676.61	1/4	1,311.72	1/4	946.60	1/4	583.62	1/4	235.66	1/4	3.61	1/4		1/4		1/4	
1/2	2,033.50	1/2	1,669.04	1/2	1,304.12	1/2	939.03	1/2	576.02	1/2	228.96	1/2	2.97	1/2		1/2		1/2	
3/4	2,025.89	3/4	1,661.48	3/4	1,296.51	3/4	931.46	3/4	568.41	3/4	222.26	3/4	2.34	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
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BARGE FMT 5070

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

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	5,233.53	0	4,944.54	0	4,612.94	0	4,262.27	0	3,896.94	0	3,530.59	0	3,164.25	0	2,797.90
1/4		1/4		1/4	5,231.17	1/4	4,937.80	1/4	4,605.83	1/4	4,254.74	1/4	3,889.31	1/4	3,522.96	1/4	3,156.62	1/4	2,790.27
1/2		1/2		1/2	5,228.81	1/2	4,931.07	1/2	4,598.71	1/2	4,247.22	1/2	3,881.68	1/2	3,515.33	1/2	3,148.98	1/2	2,782.64
3/4		3/4		3/4	5,226.45	3/4	4,924.34	3/4	4,591.60	3/4	4,239.70	3/4	3,874.04	3/4	3,507.70	3/4	3,141.35	3/4	2,775.01
1		1		1	5,224.08	1	4,917.61	1	4,584.48	1	4,232.18	1	3,866.41	1	3,500.07	1	3,133.72	1	2,767.37
1/4		1/4		1/4	5,220.77	1/4	4,910.84	1/4	4,577.33	1/4	4,224.63	1/4	3,858.78	1/4	3,492.43	1/4	3,126.09	1/4	2,759.74
1/2		1/2		1/2	5,217.45	1/2	4,904.08	1/2	4,570.19	1/2	4,217.08	1/2	3,851.15	1/2	3,484.80	1/2	3,118.46	1/2	2,752.11
3/4		3/4		3/4	5,214.13	3/4	4,897.31	3/4	4,563.04	3/4	4,209.53	3/4	3,843.51	3/4	3,477.17	3/4	3,110.82	3/4	2,744.48
2		2		2	5,210.82	2	4,890.55	2	4,555.89	2	4,201.97	2	3,835.88	2	3,469.54	2	3,103.19	2	2,736.85
1/4		1/4		1/4	5,206.55	1/4	4,883.75	1/4	4,548.71	1/4	4,194.39	1/4	3,828.25	1/4	3,461.90	1/4	3,095.56	1/4	2,729.21
1/2		1/2		1/2	5,202.28	1/2	4,876.96	1/2	4,541.53	1/2	4,186.80	1/2	3,820.62	1/2	3,454.27	1/2	3,087.93	1/2	2,721.58
3/4		3/4		3/4	5,198.01	3/4	4,870.16	3/4	4,534.35	3/4	4,179.22	3/4	3,812.99	3/4	3,446.64	3/4	3,080.29	3/4	2,713.95
3		3		3	5,193.74	3	4,863.36	3	4,527.17	3	4,171.64	3	3,805.35	3	3,439.01	3	3,072.66	3	2,706.32
1/4		1/4		1/4	5,188.51	1/4	4,856.53	1/4	4,519.96	1/4	4,164.02	1/4	3,797.72	1/4	3,431.38	1/4	3,065.03	1/4	2,698.68
1/2		1/2		1/2	5,183.29	1/2	4,849.71	1/2	4,512.75	1/2	4,156.40	1/2	3,790.09	1/2	3,423.74	1/2	3,057.40	1/2	2,691.05
3/4		3/4		3/4	5,178.06	3/4	4,842.88	3/4	4,505.54	3/4	4,148.79	3/4	3,782.46	3/4	3,416.11	3/4	3,049.77	3/4	2,683.42
4		4		4	5,172.84	4	4,836.05	4	4,498.33	4	4,141.17	4	3,774.82	4	3,408.48	4	3,042.13	4	2,675.79
1/4		1/4		1/4	5,166.66	1/4	4,829.19	1/4	4,491.06	1/4	4,133.54	1/4	3,767.19	1/4	3,400.85	1/4	3,034.50	1/4	2,668.16
1/2		1/2		1/2	5,160.48	1/2	4,822.33	1/2	4,483.80	1/2	4,125.91	1/2	3,759.56	1/2	3,393.21	1/2	3,026.87	1/2	2,660.52
3/4		3/4		3/4	5,154.30	3/4	4,815.47	3/4	4,476.53	3/4	4,118.27	3/4	3,751.93	3/4	3,385.58	3/4	3,019.24	3/4	2,652.89
5		5		5	5,148.12	5	4,808.61	5	4,469.27	5	4,110.64	5	3,744.30	5	3,377.95	5	3,011.60	5	2,645.26
1/4		1/4		1/4	5,140.99	1/4	4,801.71	1/4	4,461.97	1/4	4,103.01	1/4	3,736.66	1/4	3,370.32	1/4	3,003.97	1/4	2,637.63
1/2		1/2		1/2	5,133.86	1/2	4,794.82	1/2	4,454.67	1/2	4,095.38	1/2	3,729.03	1/2	3,362.69	1/2	2,996.34	1/2	2,629.99
3/4		3/4		3/4	5,126.73	3/4	4,787.93	3/4	4,447.38	3/4	4,087.75	3/4	3,721.40	3/4	3,355.05	3/4	2,988.71	3/4	2,622.36
6		6		6	5,119.60	6	4,781.04	6	4,440.08	6	4,080.11	6	3,713.77	6	3,347.42	6	2,981.08	6	2,614.73
1/4		1/4		1/4	5,112.02	1/4	4,774.11	1/4	4,432.75	1/4	4,072.48	1/4	3,706.14	1/4	3,339.79	1/4	2,973.44	1/4	2,607.10
1/2		1/2		1/2	5,104.45	1/2	4,767.19	1/2	4,425.42	1/2	4,064.85	1/2	3,698.50	1/2	3,332.16	1/2	2,965.81	1/2	2,599.47
3/4		3/4		3/4	5,096.87	3/4	4,760.27	3/4	4,418.09	3/4	4,057.22	3/4	3,690.87	3/4	3,324.53	3/4	2,958.18	3/4	2,591.83
7		7		7	5,089.30	7	4,753.34	7	4,410.76	7	4,049.58	7	3,683.24	7	3,316.89	7	2,950.55	7	2,584.20
1/4		1/4		1/4	5,081.70	1/4	4,746.39	1/4	4,403.40	1/4	4,041.95	1/4	3,675.61	1/4	3,309.26	1/4	2,942.92	1/4	2,576.57
1/2		1/2		1/2	5,074.10	1/2	4,739.43	1/2	4,396.04	1/2	4,034.32	1/2	3,667.97	1/2	3,301.63	1/2	2,935.28	1/2	2,568.94
3/4		3/4		3/4	5,066.50	3/4	4,732.47	3/4	4,388.68	3/4	4,026.69	3/4	3,660.34	3/4	3,294.00	3/4	2,927.65	3/4	2,561.31
8		8		8	5,058.90	8	4,725.52	8	4,381.32	8	4,019.06	8	3,652.71	8	3,286.36	8	2,920.02	8	2,553.67
1/4		1/4		1/4	5,051.29	1/4	4,718.53	1/4	4,373.93	1/4	4,011.42	1/4	3,645.08	1/4	3,278.73	1/4	2,912.39	1/4	2,546.04
1/2		1/2		1/2	5,043.68	1/2	4,711.54	1/2	4,366.53	1/2	4,003.79	1/2	3,637.45	1/2	3,271.10	1/2	2,904.75	1/2	2,538.41
3/4		3/4		3/4	5,036.07	3/4	4,704.55	3/4	4,359.14	3/4	3,996.16	3/4	3,629.81	3/4	3,263.47	3/4	2,897.12	3/4	2,530.78
9		9		9	5,028.46	9	4,697.56	9	4,351.75	9	3,988.53	9	3,622.18	9	3,255.84	9	2,889.49	9	2,523.14
1/4		1/4		1/4	5,020.85	1/4	4,690.55	1/4	4,344.32	1/4	3,980.89	1/4	3,614.55	1/4	3,248.20	1/4	2,881.86	1/4	2,515.51
1/2		1/2		1/2	5,013.24	1/2	4,683.53	1/2	4,336.90	1/2	3,973.26	1/2	3,606.92	1/2	3,240.57	1/2	2,874.23	1/2	2,507.88
3/4		3/4		3/4	5,005.63	3/4	4,676.51	3/4	4,329.47	3/4	3,965.63	3/4	3,599.28	3/4	3,232.94	3/4	2,866.59	3/4	2,500.25
10		10	5,240.98	10	4,998.02	10	4,669.49	10	4,322.05	10	3,958.00	10	3,591.65	10	3,225.31	10	2,858.96	10	2,492.62
1/4		1/4	5,240.53	1/4	4,991.35	1/4	4,662.43	1/4	4,314.59	1/4	3,950.37	1/4	3,584.02	1/4	3,217.67	1/4	2,851.33	1/4	2,484.98
1/2		1/2	5,240.07	1/2	4,984.68	1/2	4,655.38	1/2	4,307.13	1/2	3,942.73	1/2	3,576.39	1/2	3,210.04	1/2	2,843.70	1/2	2,477.35
3/4		3/4	5,239.62	3/4	4,978.01	3/4	4,648.33	3/4	4,299.68	3/4	3,935.10	3/4	3,568.76	3/4	3,202.41	3/4	2,836.06	3/4	2,469.72
11		11	5,239.16	11	4,971.34	11	4,641.28	11	4,292.22	11	3,927.47	11	3,561.12	11	3,194.78	11	2,828.43	11	2,462.09
1/4		1/4	5,237.76	1/4	4,964.64	1/4	4,634.19	1/4	4,284.73	1/4	3,919.84	1/4	3,553.49	1/4	3,187.15	1/4	2,820.80	1/4	2,454.45
1/2		1/2	5,236.35	1/2	4,957.94	1/2	4,627.11	1/2	4,277.24	1/2	3,912.20	1/2	3,545.86	1/2	3,179.51	1/2	2,813.17	1/2	2,446.82
3/4		3/4	5,234.94	3/4	4,951.24	3/4	4,620.03	3/4	4,269.75	3/4	3,904.57	3/4	3,538.23	3/4	3,171.88	3/4	2,805.54	3/4	2,439.19

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

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

BARGE FMT 5070

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

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	2,431.56	0	2,065.21	0	1,702.20	0	1,336.50	0	977.96	0	630.56	0	270.41	0	1.70	0		0	
1/4	2,423.93	1/4	2,057.58	1/4	1,694.73	1/4	1,328.87	1/4	970.75	1/4	622.94	1/4	262.79	1/4	1.66	1/4		1/4	
1/2	2,416.29	1/2	2,049.95	1/2	1,687.27	1/2	1,321.23	1/2	963.54	1/2	615.32	1/2	255.17	1/2	1.61	1/2		1/2	
3/4	2,408.66	3/4	2,042.32	3/4	1,679.80	3/4	1,313.60	3/4	956.32	3/4	607.70	3/4	247.55	3/4	1.57	3/4		3/4	
1	2,401.03	1	2,034.68	1	1,672.33	1	1,305.97	1	949.11	1	600.08	1	239.92	1	1.53	1		1	
1/4	2,393.40	1/4	2,027.05	1/4	1,664.70	1/4	1,298.34	1/4	941.91	1/4	592.45	1/4	232.30	1/4	1.49	1/4		1/4	
1/2	2,385.76	1/2	2,019.42	1/2	1,657.07	1/2	1,290.70	1/2	934.71	1/2	584.83	1/2	224.68	1/2	1.44	1/2		1/2	
3/4	2,378.13	3/4	2,011.79	3/4	1,649.44	3/4	1,283.07	3/4	927.50	3/4	577.21	3/4	217.06	3/4	1.40	3/4		3/4	
2	2,370.50	2	2,004.15	2	1,641.80	2	1,275.44	2	920.30	2	569.59	2	209.44	2	1.36	2		2	
1/4	2,362.87	1/4	1,996.52	1/4	1,634.17	1/4	1,267.81	1/4	913.09	1/4	561.97	1/4	201.99	1/4	1.32	1/4		1/4	
1/2	2,355.24	1/2	1,988.89	1/2	1,626.54	1/2	1,260.17	1/2	905.89	1/2	554.35	1/2	194.55	1/2	1.27	1/2		1/2	
3/4	2,347.60	3/4	1,981.26	3/4	1,618.91	3/4	1,252.54	3/4	898.69	3/4	546.72	3/4	187.10	3/4	1.23	3/4		3/4	
3	2,339.97	3	1,973.63	3	1,611.27	3	1,244.91	3	891.48	3	539.10	3	179.66	3	1.19	3		3	
1/4	2,332.34	1/4	1,965.99	1/4	1,603.64	1/4	1,237.28	1/4	884.28	1/4	531.48	1/4	172.21	1/4	1.15	1/4		1/4	
1/2	2,324.71	1/2	1,958.36	1/2	1,596.01	1/2	1,229.64	1/2	877.08	1/2	523.86	1/2	164.77	1/2	1.10	1/2		1/2	
3/4	2,317.07	3/4	1,950.73	3/4	1,588.38	3/4	1,222.01	3/4	869.87	3/4	516.24	3/4	157.32	3/4	1.06	3/4		3/4	
4	2,309.44	4	1,943.10	4	1,580.74	4	1,214.38	4	862.67	4	508.62	4	149.88	4	1.02	4		4	
1/4	2,301.81	1/4	1,935.46	1/4	1,573.11	1/4	1,206.75	1/4	855.47	1/4	501.17	1/4	142.45	1/4	0.98	1/4		1/4	
1/2	2,294.18	1/2	1,927.83	1/2	1,565.48	1/2	1,199.11	1/2	848.26	1/2	493.73	1/2	135.01	1/2	0.93	1/2		1/2	
3/4	2,286.55	3/4	1,920.20	3/4	1,557.84	3/4	1,191.48	3/4	841.06	3/4	486.28	3/4	127.58	3/4	0.89	3/4		3/4	
5	2,278.91	5	1,912.57	5	1,550.21	5	1,183.85	5	833.86	5	478.84	5	120.14	5	0.85	5		5	
1/4	2,271.28	1/4	1,904.94	1/4	1,542.58	1/4	1,176.21	1/4	826.66	1/4	471.39	1/4	112.72	1/4	0.81	1/4		1/4	
1/2	2,263.65	1/2	1,897.30	1/2	1,534.95	1/2	1,168.58	1/2	819.46	1/2	463.95	1/2	105.30	1/2	0.76	1/2		1/2	
3/4	2,256.02	3/4	1,889.67	3/4	1,527.31	3/4	1,160.95	3/4	812.26	3/4	456.50	3/4	97.88	3/4	0.72	3/4		3/4	
6	2,248.38	6	1,882.04	6	1,519.68	6	1,153.32	6	805.06	6	449.05	6	90.46	6	0.68	6		6	
1/4	2,240.75	1/4	1,874.41	1/4	1,512.05	1/4	1,145.68	1/4	797.86	1/4	441.61	1/4	83.64	1/4	0.64	1/4		1/4	
1/2	2,233.12	1/2	1,866.77	1/2	1,504.42	1/2	1,138.05	1/2	790.67	1/2	434.16	1/2	76.82	1/2	0.59	1/2		1/2	
3/4	2,225.49	3/4	1,859.14	3/4	1,496.78	3/4	1,130.42	3/4	783.47	3/4	426.72	3/4	70.00	3/4	0.55	3/4		3/4	
7	2,217.86	7	1,851.51	7	1,489.15	7	1,122.79	7	776.27	7	419.27	7	63.19	7	0.51	7		7	
1/4	2,210.22	1/4	1,844.04	1/4	1,481.52	1/4	1,115.54	1/4	769.07	1/4	411.83	1/4	57.64	1/4	0.47	1/4		1/4	
1/2	2,202.59	1/2	1,836.58	1/2	1,473.89	1/2	1,108.29	1/2	761.87	1/2	404.38	1/2	52.09	1/2	0.42	1/2		1/2	
3/4	2,194.96	3/4	1,829.11	3/4	1,466.25	3/4	1,101.04	3/4	754.67	3/4	396.94	3/4	46.54	3/4	0.38	3/4		3/4	
8	2,187.33	8	1,821.65	8	1,458.62	8	1,093.79	8	747.47	8	389.49	8	40.99	8	0.34	8		8	
1/4	2,179.70	1/4	1,814.18	1/4	1,450.99	1/4	1,086.54	1/4	740.28	1/4	382.06	1/4	36.72	1/4	0.30	1/4		1/4	
1/2	2,172.06	1/2	1,806.72	1/2	1,443.36	1/2	1,079.29	1/2	733.08	1/2	374.62	1/2	32.44	1/2	0.25	1/2		1/2	
3/4	2,164.43	3/4	1,799.25	3/4	1,435.72	3/4	1,072.05	3/4	725.88	3/4	367.19	3/4	28.17	3/4	0.21	3/4		3/4	
9	2,156.80	9	1,791.78	9	1,428.09	9	1,064.80	9	718.68	9	359.75	9	23.89	9	0.17	9		9	
1/4	2,149.17	1/4	1,784.32	1/4	1,420.46	1/4	1,057.55	1/4	711.48	1/4	352.31	1/4	20.89	1/4	0.13	1/4		1/4	
1/2	2,141.53	1/2	1,776.85	1/2	1,412.83	1/2	1,050.30	1/2	704.28	1/2	344.86	1/2	17.88	1/2	0.08	1/2		1/2	
3/4	2,133.90	3/4	1,769.39	3/4	1,405.19	3/4	1,043.05	3/4	697.08	3/4	337.42	3/4	14.88	3/4	0.04	3/4		3/4	
10	2,126.27	10	1,761.92	10	1,397.56	10	1,035.80	10	689.89	10	329.97	10	11.87	10	0.00	10		10	
1/4	2,118.64	1/4	1,754.46	1/4	1,389.93	1/4	1,028.55	1/4	682.69	1/4	322.53	1/4	9.97	1/4		1/4		1/4	
1/2	2,111.01	1/2	1,746.99	1/2	1,382.29	1/2	1,021.30	1/2	675.49	1/2	315.08	1/2	8.06	1/2		1/2		1/2	
3/4	2,103.37	3/4	1,739.52	3/4	1,374.66	3/4	1,014.06	3/4	668.29	3/4	307.64	3/4	6.15	3/4		3/4		3/4	
11	2,095.74	11	1,732.06	11	1,367.03	11	1,006.81	11	661.09	11	300.19	11	4.24	11		11		11	
1/4	2,088.11	1/4	1,724.59	1/4	1,359.40	1/4	999.60	1/4	653.46	1/4	292.75	1/4	3.61	1/4		1/4		1/4	
1/2	2,080.48	1/2	1,717.13	1/2	1,351.76	1/2	992.38	1/2	645.83	1/2	285.30	1/2	2.97	1/2		1/2		1/2	
3/4	2,072.84	3/4	1,709.66	3/4	1,344.13	3/4	985.17	3/4	638.19	3/4	277.86	3/4	2.33	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE FMT 5070

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-09 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	5,247.85	0	4,954.93	0	4,623.46	0	4,272.90	0	3,908.02	0	3,542.22	0	3,176.42	0	2,810.63
1/4		1/4		1/4	5,245.50	1/4	4,948.21	1/4	4,616.35	1/4	4,265.40	1/4	3,900.40	1/4	3,534.60	1/4	3,168.80	1/4	2,803.01
1/2		1/2		1/2	5,243.14	1/2	4,941.49	1/2	4,609.25	1/2	4,257.89	1/2	3,892.78	1/2	3,526.98	1/2	3,161.18	1/2	2,795.38
3/4		3/4		3/4	5,240.78	3/4	4,934.76	3/4	4,602.14	3/4	4,250.38	3/4	3,885.16	3/4	3,519.36	3/4	3,153.56	3/4	2,787.76
1		1		1	5,237.47	1	4,928.01	1	4,595.01	1	4,242.84	1	3,877.54	1	3,511.74	1	3,145.94	1	2,780.14
1/4		1/4		1/4	5,234.16	1/4	4,921.25	1/4	4,587.87	1/4	4,235.29	1/4	3,869.92	1/4	3,504.12	1/4	3,138.32	1/4	2,772.52
1/2		1/2		1/2	5,230.84	1/2	4,914.50	1/2	4,580.73	1/2	4,227.75	1/2	3,862.30	1/2	3,496.50	1/2	3,130.70	1/2	2,764.90
3/4		3/4		3/4	5,227.53	3/4	4,907.75	3/4	4,573.60	3/4	4,220.21	3/4	3,854.68	3/4	3,488.88	3/4	3,123.08	3/4	2,757.28
2		2		2	5,223.27	2	4,900.96	2	4,566.43	2	4,212.64	2	3,847.05	2	3,481.26	2	3,115.46	2	2,749.66
1/4		1/4		1/4	5,219.00	1/4	4,894.17	1/4	4,559.26	1/4	4,205.07	1/4	3,839.43	1/4	3,473.64	1/4	3,107.84	1/4	2,742.04
1/2		1/2		1/2	5,214.74	1/2	4,887.39	1/2	4,552.09	1/2	4,197.49	1/2	3,831.81	1/2	3,466.01	1/2	3,100.22	1/2	2,734.42
3/4		3/4		3/4	5,210.48	3/4	4,880.60	3/4	4,544.92	3/4	4,189.92	3/4	3,824.19	3/4	3,458.39	3/4	3,092.60	3/4	2,726.80
3		3		3	5,205.26	3	4,873.78	3	4,537.72	3	4,182.32	3	3,816.57	3	3,450.77	3	3,084.97	3	2,719.18
1/4		1/4		1/4	5,200.04	1/4	4,866.96	1/4	4,530.52	1/4	4,174.71	1/4	3,808.95	1/4	3,443.15	1/4	3,077.35	1/4	2,711.56
1/2		1/2		1/2	5,194.83	1/2	4,860.15	1/2	4,523.32	1/2	4,167.11	1/2	3,801.33	1/2	3,435.53	1/2	3,069.73	1/2	2,703.93
3/4		3/4		3/4	5,189.61	3/4	4,853.33	3/4	4,516.12	3/4	4,159.51	3/4	3,793.71	3/4	3,427.91	3/4	3,062.11	3/4	2,696.31
4		4		4	5,183.44	4	4,846.48	4	4,508.87	4	4,151.89	4	3,786.09	4	3,420.29	4	3,054.49	4	2,688.69
1/4		1/4		1/4	5,177.27	1/4	4,839.63	1/4	4,501.61	1/4	4,144.27	1/4	3,778.47	1/4	3,412.67	1/4	3,046.87	1/4	2,681.07
1/2		1/2		1/2	5,171.10	1/2	4,832.78	1/2	4,494.36	1/2	4,136.65	1/2	3,770.85	1/2	3,405.05	1/2	3,039.25	1/2	2,673.45
3/4		3/4		3/4	5,164.93	3/4	4,825.93	3/4	4,487.10	3/4	4,129.02	3/4	3,763.23	3/4	3,397.43	3/4	3,031.63	3/4	2,665.83
5		5		5	5,157.81	5	4,819.05	5	4,479.82	5	4,121.40	5	3,755.61	5	3,389.81	5	3,024.01	5	2,658.21
1/4		1/4		1/4	5,150.69	1/4	4,812.17	1/4	4,472.53	1/4	4,113.78	1/4	3,747.98	1/4	3,382.19	1/4	3,016.39	1/4	2,650.59
1/2		1/2		1/2	5,143.57	1/2	4,805.28	1/2	4,465.25	1/2	4,106.16	1/2	3,740.36	1/2	3,374.57	1/2	3,008.77	1/2	2,642.97
3/4		3/4		3/4	5,136.45	3/4	4,798.40	3/4	4,457.96	3/4	4,098.54	3/4	3,732.74	3/4	3,366.94	3/4	3,001.15	3/4	2,635.35
6		6		6	5,128.89	6	4,791.49	6	4,450.64	6	4,090.92	6	3,725.12	6	3,359.32	6	2,993.53	6	2,627.73
1/4		1/4		1/4	5,121.32	1/4	4,784.57	1/4	4,443.32	1/4	4,083.30	1/4	3,717.50	1/4	3,351.70	1/4	2,985.90	1/4	2,620.11
1/2		1/2		1/2	5,113.76	1/2	4,777.66	1/2	4,436.01	1/2	4,075.68	1/2	3,709.88	1/2	3,344.08	1/2	2,978.28	1/2	2,612.49
3/4		3/4		3/4	5,106.19	3/4	4,770.75	3/4	4,428.69	3/4	4,068.06	3/4	3,702.26	3/4	3,336.46	3/4	2,970.66	3/4	2,604.86
7		7		7	5,098.61	7	4,763.80	7	4,421.34	7	4,060.44	7	3,694.64	7	3,328.84	7	2,963.04	7	2,597.24
1/4		1/4		1/4	5,091.02	1/4	4,756.86	1/4	4,413.99	1/4	4,052.82	1/4	3,687.02	1/4	3,321.22	1/4	2,955.42	1/4	2,589.62
1/2		1/2		1/2	5,083.43	1/2	4,749.91	1/2	4,406.64	1/2	4,045.20	1/2	3,679.40	1/2	3,313.60	1/2	2,947.80	1/2	2,582.00
3/4		3/4		3/4	5,075.84	3/4	4,742.97	3/4	4,399.29	3/4	4,037.57	3/4	3,671.78	3/4	3,305.98	3/4	2,940.18	3/4	2,574.38
8		8		8	5,068.24	8	4,735.99	8	4,391.91	8	4,029.95	8	3,664.16	8	3,298.36	8	2,932.56	8	2,566.76
1/4		1/4		1/4	5,060.64	1/4	4,729.01	1/4	4,384.52	1/4	4,022.33	1/4	3,656.53	1/4	3,290.74	1/4	2,924.94	1/4	2,559.14
1/2		1/2		1/2	5,053.04	1/2	4,722.03	1/2	4,377.14	1/2	4,014.71	1/2	3,648.91	1/2	3,283.12	1/2	2,917.32	1/2	2,551.52
3/4		3/4		3/4	5,045.44	3/4	4,715.06	3/4	4,369.76	3/4	4,007.09	3/4	3,641.29	3/4	3,275.49	3/4	2,909.70	3/4	2,543.90
9		9		9	5,037.85	9	4,708.05	9	4,362.35	9	3,999.47	9	3,633.67	9	3,267.87	9	2,902.08	9	2,536.28
1/4		1/4		1/4	5,030.25	1/4	4,701.04	1/4	4,354.93	1/4	3,991.85	1/4	3,626.05	1/4	3,260.25	1/4	2,894.45	1/4	2,528.66
1/2		1/2		1/2	5,022.65	1/2	4,694.03	1/2	4,347.52	1/2	3,984.23	1/2	3,618.43	1/2	3,252.63	1/2	2,886.83	1/2	2,521.04
3/4		3/4	5,257.65	3/4	5,015.05	3/4	4,687.02	3/4	4,340.11	3/4	3,976.61	3/4	3,610.81	3/4	3,245.01	3/4	2,879.21	3/4	2,513.41
10		10	5,257.20	10	5,008.39	10	4,679.98	10	4,332.66	10	3,968.99	10	3,603.19	10	3,237.39	10	2,871.59	10	2,505.79
1/4		1/4	5,256.74	1/4	5,001.73	1/4	4,672.94	1/4	4,325.21	1/4	3,961.37	1/4	3,595.57	1/4	3,229.77	1/4	2,863.97	1/4	2,498.17
1/2		1/2	5,256.29	1/2	4,995.07	1/2	4,665.90	1/2	4,317.77	1/2	3,953.75	1/2	3,587.95	1/2	3,222.15	1/2	2,856.35	1/2	2,490.55
3/4		3/4	5,255.84	3/4	4,988.41	3/4	4,658.86	3/4	4,310.32	3/4	3,946.13	3/4	3,580.33	3/4	3,214.53	3/4	2,848.73	3/4	2,482.93
11		11	5,254.43	11	4,981.72	11	4,651.78	11	4,302.85	11	3,938.50	11	3,572.71	11	3,206.91	11	2,841.11	11	2,475.31
1/4		1/4	5,253.03	1/4	4,975.03	1/4	4,644.71	1/4	4,295.37	1/4	3,930.88	1/4	3,565.09	1/4	3,199.29	1/4	2,833.49	1/4	2,467.69
1/2		1/2	5,251.62	1/2	4,968.34	1/2	4,637.64	1/2	4,287.89	1/2	3,923.26	1/2	3,557.46	1/2	3,191.67	1/2	2,825.87	1/2	2,460.07
3/4		3/4	5,250.21	3/4	4,961.65	3/4	4,630.56	3/4	4,280.41	3/4	3,915.64	3/4	3,549.84	3/4	3,184.05	3/4	2,818.25	3/4	2,452.45

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 03'-00" FORWARD OF AFT BULKHEAD.

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

BARGE FMT 5070

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-09 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	2,444.83	0	2,079.03	0	1,716.73	0	1,351.41	0	985.77	0	622.00	0	262.39	0	1.65	0		0	
1/4	2,437.21	1/4	2,071.41	1/4	1,709.27	1/4	1,343.79	1/4	978.19	1/4	614.39	1/4	254.78	1/4	1.61	1/4		1/4	
1/2	2,429.59	1/2	2,063.79	1/2	1,701.82	1/2	1,336.17	1/2	970.61	1/2	606.78	1/2	247.17	1/2	1.57	1/2		1/2	
3/4	2,421.97	3/4	2,056.17	3/4	1,694.36	3/4	1,328.54	3/4	963.02	3/4	599.17	3/4	239.56	3/4	1.52	3/4		3/4	
1	2,414.34	1	2,048.55	1	1,686.74	1	1,320.92	1	955.45	1	591.56	1	231.95	1	1.48	1		1	
1/4	2,406.72	1/4	2,040.93	1/4	1,679.12	1/4	1,313.30	1/4	947.87	1/4	583.95	1/4	224.34	1/4	1.44	1/4		1/4	
1/2	2,399.10	1/2	2,033.30	1/2	1,671.50	1/2	1,305.68	1/2	940.29	1/2	576.34	1/2	216.73	1/2	1.40	1/2		1/2	
3/4	2,391.48	3/4	2,025.68	3/4	1,663.88	3/4	1,298.06	3/4	932.72	3/4	568.73	3/4	209.12	3/4	1.35	3/4		3/4	
2	2,383.86	2	2,018.06	2	1,656.26	2	1,290.44	2	925.14	2	561.12	2	201.69	2	1.31	2		2	
1/4	2,376.24	1/4	2,010.44	1/4	1,648.63	1/4	1,282.82	1/4	917.57	1/4	553.51	1/4	194.25	1/4	1.27	1/4		1/4	
1/2	2,368.62	1/2	2,002.82	1/2	1,641.01	1/2	1,275.20	1/2	909.99	1/2	545.90	1/2	186.82	1/2	1.23	1/2		1/2	
3/4	2,361.00	3/4	1,995.20	3/4	1,633.39	3/4	1,267.57	3/4	902.41	3/4	538.29	3/4	179.39	3/4	1.19	3/4		3/4	
3	2,353.38	3	1,987.58	3	1,625.77	3	1,259.95	3	894.84	3	530.68	3	171.95	3	1.14	3		3	
1/4	2,345.76	1/4	1,979.96	1/4	1,618.15	1/4	1,252.33	1/4	887.26	1/4	523.07	1/4	164.52	1/4	1.10	1/4		1/4	
1/2	2,338.14	1/2	1,972.34	1/2	1,610.53	1/2	1,244.71	1/2	879.69	1/2	515.46	1/2	157.09	1/2	1.06	1/2		1/2	
3/4	2,330.52	3/4	1,964.72	3/4	1,602.91	3/4	1,237.09	3/4	872.11	3/4	507.86	3/4	149.65	3/4	1.02	3/4		3/4	
4	2,322.89	4	1,957.10	4	1,595.29	4	1,229.47	4	864.53	4	500.42	4	142.23	4	0.97	4		4	
1/4	2,315.27	1/4	1,949.48	1/4	1,587.67	1/4	1,221.85	1/4	856.96	1/4	492.98	1/4	134.81	1/4	0.93	1/4		1/4	
1/2	2,307.65	1/2	1,941.85	1/2	1,580.04	1/2	1,214.23	1/2	849.38	1/2	485.55	1/2	127.38	1/2	0.89	1/2		1/2	
3/4	2,300.03	3/4	1,934.23	3/4	1,572.42	3/4	1,206.61	3/4	841.81	3/4	478.12	3/4	119.96	3/4	0.85	3/4		3/4	
5	2,292.41	5	1,926.61	5	1,564.80	5	1,198.98	5	834.23	5	470.68	5	112.55	5	0.80	5		5	
1/4	2,284.79	1/4	1,918.99	1/4	1,557.18	1/4	1,191.36	1/4	826.66	1/4	463.25	1/4	105.14	1/4	0.76	1/4		1/4	
1/2	2,277.17	1/2	1,911.37	1/2	1,549.56	1/2	1,183.74	1/2	819.09	1/2	455.81	1/2	97.73	1/2	0.72	1/2		1/2	
3/4	2,269.55	3/4	1,903.75	3/4	1,541.94	3/4	1,176.12	3/4	811.52	3/4	448.38	3/4	90.32	3/4	0.68	3/4		3/4	
6	2,261.93	6	1,896.13	6	1,534.32	6	1,168.50	6	803.95	6	440.95	6	83.51	6	0.63	6		6	
1/4	2,254.31	1/4	1,888.51	1/4	1,526.70	1/4	1,160.88	1/4	796.38	1/4	433.51	1/4	76.71	1/4	0.59	1/4		1/4	
1/2	2,246.69	1/2	1,880.89	1/2	1,519.07	1/2	1,153.26	1/2	788.81	1/2	426.08	1/2	69.90	1/2	0.55	1/2		1/2	
3/4	2,239.07	3/4	1,873.27	3/4	1,511.45	3/4	1,145.64	3/4	781.24	3/4	418.64	3/4	63.09	3/4	0.51	3/4		3/4	
7	2,231.45	7	1,865.81	7	1,503.83	7	1,138.01	7	773.67	7	411.21	7	57.55	7	0.46	7		7	
1/4	2,223.82	1/4	1,858.36	1/4	1,496.21	1/4	1,130.39	1/4	766.09	1/4	403.77	1/4	52.01	1/4	0.42	1/4		1/4	
1/2	2,216.20	1/2	1,850.90	1/2	1,488.59	1/2	1,122.77	1/2	758.52	1/2	396.34	1/2	46.47	1/2	0.38	1/2		1/2	
3/4	2,208.58	3/4	1,843.45	3/4	1,480.97	3/4	1,115.15	3/4	750.95	3/4	388.91	3/4	40.93	3/4	0.34	3/4		3/4	
8	2,200.96	8	1,836.00	8	1,473.35	8	1,107.53	8	743.38	8	381.48	8	36.66	8	0.29	8		8	
1/4	2,193.34	1/4	1,828.54	1/4	1,465.73	1/4	1,099.91	1/4	735.81	1/4	374.06	1/4	32.39	1/4	0.25	1/4		1/4	
1/2	2,185.72	1/2	1,821.09	1/2	1,458.10	1/2	1,092.29	1/2	728.24	1/2	366.64	1/2	28.12	1/2	0.21	1/2		1/2	
3/4	2,178.10	3/4	1,813.63	3/4	1,450.48	3/4	1,084.67	3/4	720.67	3/4	359.21	3/4	23.85	3/4	0.17	3/4		3/4	
9	2,170.48	9	1,806.18	9	1,442.86	9	1,077.04	9	713.10	9	351.78	9	20.85	9	0.12	9		9	
1/4	2,162.86	1/4	1,798.72	1/4	1,435.24	1/4	1,069.42	1/4	705.53	1/4	344.34	1/4	17.85	1/4	0.08	1/4		1/4	
1/2	2,155.24	1/2	1,791.27	1/2	1,427.62	1/2	1,061.80	1/2	697.95	1/2	336.91	1/2	14.85	1/2	0.04	1/2		1/2	
3/4	2,147.62	3/4	1,783.81	3/4	1,420.00	3/4	1,054.18	3/4	690.38	3/4	329.48	3/4	11.86	3/4	0.00	3/4		3/4	
10	2,140.00	10	1,776.36	10	1,412.38	10	1,046.56	10	682.81	10	322.04	10	9.95	10		10		10	
1/4	2,132.37	1/4	1,768.91	1/4	1,404.76	1/4	1,038.94	1/4	675.24	1/4	314.61	1/4	8.04	1/4		1/4		1/4	
1/2	2,124.75	1/2	1,761.45	1/2	1,397.14	1/2	1,031.32	1/2	667.67	1/2	307.17	1/2	6.14	1/2		1/2		1/2	
3/4	2,117.13	3/4	1,754.00	3/4	1,389.51	3/4	1,023.70	3/4	660.10	3/4	299.74	3/4	4.23	3/4		3/4		3/4	
11	2,109.51	11	1,746.54	11	1,381.89	11	1,016.11	11	652.48	11	292.31	11	3.60	11		11		11	
1/4	2,101.89	1/4	1,739.09	1/4	1,374.27	1/4	1,008.53	1/4	644.86	1/4	284.87	1/4	2.96	1/4		1/4		1/4	
1/2	2,094.27	1/2	1,731.63	1/2	1,366.65	1/2	1,000.94	1/2	637.24	1/2	277.44	1/2	2.33	1/2		1/2		1/2	
3/4	2,086.65	3/4	1,724.18	3/4	1,359.03	3/4	993.36	3/4	629.62	3/4	270.00	3/4	1.69	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
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BARGE FMT 5070

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	4,489.61	0	4,373.00	0	4,221.50	0	4,061.31	0	3,877.93	0	3,514.44	0	3,151.82	0	2,788.76
1/4		1/4		1/4	4,488.19	1/4	4,369.93	1/4	4,218.26	1/4	4,057.88	1/4	3,870.34	1/4	3,506.88	1/4	3,144.26	1/4	2,781.20
1/2		1/2		1/2	4,486.78	1/2	4,366.86	1/2	4,215.01	1/2	4,054.46	1/2	3,862.76	1/2	3,499.32	1/2	3,136.71	1/2	2,773.63
3/4		3/4		3/4	4,484.41	3/4	4,363.78	3/4	4,211.75	3/4	4,051.01	3/4	3,855.17	3/4	3,491.77	3/4	3,129.15	3/4	2,766.06
1		1		1	4,482.05	1	4,360.69	1	4,208.50	1	4,047.57	1	3,847.58	1	3,484.21	1	3,121.60	1	2,758.50
1/4		1/4		1/4	4,479.68	1/4	4,357.61	1/4	4,205.24	1/4	4,044.13	1/4	3,840.00	1/4	3,476.66	1/4	3,114.04	1/4	2,750.93
1/2		1/2		1/2	4,477.32	1/2	4,354.53	1/2	4,201.98	1/2	4,040.68	1/2	3,832.41	1/2	3,469.11	1/2	3,106.49	1/2	2,743.36
3/4		3/4		3/4	4,476.05	3/4	4,351.43	3/4	4,198.71	3/4	4,037.23	3/4	3,824.83	3/4	3,461.55	3/4	3,098.93	3/4	2,735.79
2		2		2	4,474.79	2	4,348.33	2	4,195.43	2	4,033.77	2	3,817.24	2	3,454.00	2	3,091.38	2	2,728.23
1/4		1/4		1/4	4,473.53	1/4	4,345.23	1/4	4,192.16	1/4	4,030.31	1/4	3,809.66	1/4	3,446.44	1/4	3,083.83	1/4	2,720.66
1/2		1/2		1/2	4,472.27	1/2	4,342.14	1/2	4,188.89	1/2	4,026.85	1/2	3,802.07	1/2	3,438.89	1/2	3,076.27	1/2	2,713.09
3/4		3/4		3/4	4,472.11	3/4	4,339.02	3/4	4,185.60	3/4	4,023.38	3/4	3,794.49	3/4	3,431.33	3/4	3,068.72	3/4	2,705.52
3		3		3	4,471.95	3	4,335.91	3	4,182.31	3	4,019.91	3	3,786.90	3	3,423.78	3	3,061.16	3	2,697.96
1/4		1/4		1/4	4,471.79	1/4	4,332.80	1/4	4,179.02	1/4	4,016.44	1/4	3,779.32	1/4	3,416.22	1/4	3,053.61	1/4	2,690.39
1/2		1/2		1/2	4,471.63	1/2	4,329.69	1/2	4,175.74	1/2	4,012.97	1/2	3,771.73	1/2	3,408.67	1/2	3,046.05	1/2	2,682.82
3/4		3/4		3/4	4,470.52	3/4	4,326.56	3/4	4,172.43	3/4	4,009.48	3/4	3,764.14	3/4	3,401.11	3/4	3,038.49	3/4	2,675.26
4		4		4	4,469.42	4	4,323.43	4	4,169.13	4	4,005.99	4	3,756.56	4	3,393.56	4	3,030.92	4	2,667.69
1/4		1/4		1/4	4,468.31	1/4	4,320.31	1/4	4,165.83	1/4	4,002.50	1/4	3,748.97	1/4	3,386.01	1/4	3,023.35	1/4	2,660.12
1/2		1/2		1/2	4,467.20	1/2	4,317.18	1/2	4,162.53	1/2	3,999.02	1/2	3,741.39	1/2	3,378.45	1/2	3,015.78	1/2	2,652.55
3/4		3/4		3/4	4,465.14	3/4	4,314.04	3/4	4,159.20	3/4	3,995.52	3/4	3,733.80	3/4	3,370.90	3/4	3,008.22	3/4	2,644.99
5		5		5	4,463.08	5	4,310.90	5	4,155.88	5	3,992.03	5	3,726.22	5	3,363.34	5	3,000.65	5	2,637.42
1/4		1/4		1/4	4,461.02	1/4	4,307.75	1/4	4,152.55	1/4	3,988.53	1/4	3,718.63	1/4	3,355.79	1/4	2,993.08	1/4	2,629.85
1/2		1/2		1/2	4,458.96	1/2	4,304.61	1/2	4,149.22	1/2	3,985.04	1/2	3,711.05	1/2	3,348.23	1/2	2,985.51	1/2	2,622.28
3/4		3/4		3/4	4,455.95	3/4	4,301.46	3/4	4,145.88	3/4	3,981.55	3/4	3,703.46	3/4	3,340.68	3/4	2,977.95	3/4	2,614.72
6		6		6	4,452.94	6	4,298.30	6	4,142.54	6	3,978.05	6	3,695.88	6	3,333.12	6	2,970.38	6	2,607.15
1/4		1/4		1/4	4,449.94	1/4	4,295.14	1/4	4,139.20	1/4	3,974.56	1/4	3,688.29	1/4	3,325.57	1/4	2,962.81	1/4	2,599.58
1/2		1/2		1/2	4,446.93	1/2	4,291.99	1/2	4,135.86	1/2	3,971.06	1/2	3,680.71	1/2	3,318.02	1/2	2,955.25	1/2	2,592.02
3/4		3/4		3/4	4,443.48	3/4	4,288.82	3/4	4,132.50	3/4	3,967.57	3/4	3,673.15	3/4	3,310.46	3/4	2,947.68	3/4	2,584.45
7		7		7	4,440.03	7	4,285.65	7	4,129.15	7	3,964.08	7	3,665.59	7	3,302.91	7	2,940.11	7	2,576.88
1/4		1/4		1/4	4,436.58	1/4	4,282.48	1/4	4,125.79	1/4	3,960.58	1/4	3,658.03	1/4	3,295.35	1/4	2,932.54	1/4	2,569.31
1/2		1/2		1/2	4,433.13	1/2	4,279.31	1/2	4,122.44	1/2	3,957.09	1/2	3,650.48	1/2	3,287.80	1/2	2,924.98	1/2	2,561.75
3/4		3/4		3/4	4,429.65	3/4	4,276.12	3/4	4,119.07	3/4	3,953.59	3/4	3,642.92	3/4	3,280.24	3/4	2,917.41	3/4	2,554.18
8		8		8	4,426.18	8	4,272.93	8	4,115.70	8	3,950.10	8	3,635.36	8	3,272.69	8	2,909.84	8	2,546.61
1/4		1/4		1/4	4,422.70	1/4	4,269.75	1/4	4,112.33	1/4	3,946.61	1/4	3,627.80	1/4	3,265.13	1/4	2,902.27	1/4	2,539.04
1/2		1/2		1/2	4,419.23	1/2	4,266.56	1/2	4,108.96	1/2	3,943.11	1/2	3,620.24	1/2	3,257.58	1/2	2,894.71	1/2	2,531.48
3/4		3/4		3/4	4,415.74	3/4	4,263.36	3/4	4,105.57	3/4	3,939.62	3/4	3,612.69	3/4	3,250.02	3/4	2,887.14	3/4	2,523.91
9		9		9	4,412.26	9	4,260.16	9	4,102.19	9	3,936.12	9	3,605.13	9	3,242.47	9	2,879.57	9	2,516.34
1/4		1/4		1/4	4,408.77	1/4	4,256.96	1/4	4,098.81	1/4	3,932.63	1/4	3,597.57	1/4	3,234.92	1/4	2,872.01	1/4	2,508.77
1/2		1/2		1/2	4,405.29	1/2	4,253.76	1/2	4,095.42	1/2	3,929.14	1/2	3,590.01	1/2	3,227.36	1/2	2,864.44	1/2	2,501.21
3/4		3/4		3/4	4,401.81	3/4	4,250.55	3/4	4,092.02	3/4	3,925.66	3/4	3,582.46	3/4	3,219.81	3/4	2,856.87	3/4	2,493.64
10		10		10	4,398.32	10	4,247.33	10	4,088.62	10	3,922.18	10	3,574.90	10	3,212.25	10	2,849.30	10	2,486.07
1/4		1/4		1/4	4,394.84	1/4	4,244.12	1/4	4,085.22	1/4	3,918.70	1/4	3,567.34	1/4	3,204.70	1/4	2,841.74	1/4	2,478.51
1/2		1/2	4,494.30	1/2	4,391.35	1/2	4,240.91	1/2	4,081.82	1/2	3,915.22	1/2	3,559.78	1/2	3,197.14	1/2	2,834.17	1/2	2,470.94
3/4		3/4	4,493.84	3/4	4,388.30	3/4	4,237.68	3/4	4,078.41	3/4	3,909.69	3/4	3,552.23	3/4	3,189.59	3/4	2,826.60	3/4	2,463.38
11		11	4,493.37	11	4,385.24	11	4,234.45	11	4,075.00	11	3,904.16	11	3,544.67	11	3,182.03	11	2,819.03	11	2,455.81
1/4		1/4	4,492.91	1/4	4,382.19	1/4	4,231.22	1/4	4,071.58	1/4	3,898.63	1/4	3,537.11	1/4	3,174.48	1/4	2,811.47	1/4	2,448.25
1/2		1/2	4,492.44	1/2	4,379.13	1/2	4,227.99	1/2	4,068.17	1/2	3,893.10	1/2	3,529.55	1/2	3,166.93	1/2	2,803.90	1/2	2,440.69
3/4		3/4	4,491.03	3/4	4,376.07	3/4	4,224.74	3/4	4,064.74	3/4	3,885.51	3/4	3,522.00	3/4	3,159.37	3/4	2,796.33	3/4	2,433.12

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 82'-07 1/2" FORWARD OF AFT BULKHEAD.

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

BARGE FMT 5070

3 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U S GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,425.56	0	2,063.17	0	1,704.54	0	1,342.25	0	985.71	0	641.79	0	284.08	0	2.97	0		0	
1/4	2,418.00	1/4	2,055.65	1/4	1,697.13	1/4	1,334.68	1/4	978.55	1/4	634.21	1/4	276.69	1/4	2.33	1/4		1/4	
1/2	2,410.44	1/2	2,048.12	1/2	1,689.72	1/2	1,327.12	1/2	971.39	1/2	626.64	1/2	269.30	1/2	1.70	1/2		1/2	
3/4	2,402.87	3/4	2,040.59	3/4	1,682.31	3/4	1,319.55	3/4	964.22	3/4	619.07	3/4	261.71	3/4	1.66	3/4		3/4	
1	2,395.31	1	2,033.07	1	1,674.90	1	1,311.98	1	957.06	1	611.51	1	254.12	1	1.61	1		1	
1/4	2,387.75	1/4	2,025.54	1/4	1,667.49	1/4	1,304.42	1/4	949.90	1/4	603.95	1/4	246.53	1/4	1.57	1/4		1/4	
1/2	2,380.18	1/2	2,018.01	1/2	1,660.07	1/2	1,296.85	1/2	942.74	1/2	596.38	1/2	238.94	1/2	1.53	1/2		1/2	
3/4	2,372.62	3/4	2,010.48	3/4	1,652.51	3/4	1,289.28	3/4	935.58	3/4	588.82	3/4	231.35	3/4	1.49	3/4		3/4	
2	2,365.06	2	2,002.96	2	1,644.94	2	1,281.71	2	928.43	2	581.25	2	223.76	2	1.44	2		2	
1/4	2,357.50	1/4	1,995.43	1/4	1,637.37	1/4	1,274.15	1/4	921.27	1/4	573.69	1/4	216.17	1/4	1.40	1/4		1/4	
1/2	2,349.93	1/2	1,987.90	1/2	1,629.80	1/2	1,266.58	1/2	914.12	1/2	566.12	1/2	208.57	1/2	1.36	1/2		1/2	
3/4	2,342.37	3/4	1,980.38	3/4	1,622.24	3/4	1,259.01	3/4	906.96	3/4	558.56	3/4	201.16	3/4	1.32	3/4		3/4	
3	2,334.81	3	1,972.85	3	1,614.67	3	1,251.44	3	899.81	3	550.99	3	193.75	3	1.27	3		3	
1/4	2,327.25	1/4	1,965.32	1/4	1,607.10	1/4	1,243.88	1/4	892.65	1/4	543.43	1/4	186.33	1/4	1.23	1/4		1/4	
1/2	2,319.68	1/2	1,957.80	1/2	1,599.54	1/2	1,236.31	1/2	885.50	1/2	535.86	1/2	178.92	1/2	1.19	1/2		1/2	
3/4	2,312.12	3/4	1,950.27	3/4	1,591.97	3/4	1,228.74	3/4	878.35	3/4	528.30	3/4	171.50	3/4	1.15	3/4		3/4	
4	2,304.56	4	1,942.74	4	1,584.40	4	1,221.18	4	871.19	4	520.74	4	164.09	4	1.10	4		4	
1/4	2,296.99	1/4	1,935.21	1/4	1,576.83	1/4	1,213.61	1/4	864.04	1/4	513.17	1/4	156.68	1/4	1.06	1/4		1/4	
1/2	2,289.43	1/2	1,927.69	1/2	1,569.27	1/2	1,206.04	1/2	856.88	1/2	505.61	1/2	149.26	1/2	1.02	1/2		1/2	
3/4	2,281.87	3/4	1,920.16	3/4	1,561.70	3/4	1,198.47	3/4	849.73	3/4	498.22	3/4	141.86	3/4	0.98	3/4		3/4	
5	2,274.31	5	1,912.63	5	1,554.13	5	1,190.91	5	842.57	5	490.84	5	134.46	5	0.93	5		5	
1/4	2,266.74	1/4	1,905.11	1/4	1,546.57	1/4	1,183.34	1/4	835.42	1/4	483.45	1/4	127.05	1/4	0.89	1/4		1/4	
1/2	2,259.18	1/2	1,897.58	1/2	1,539.00	1/2	1,175.77	1/2	828.26	1/2	476.07	1/2	119.65	1/2	0.85	1/2		1/2	
3/4	2,251.62	3/4	1,890.05	3/4	1,531.43	3/4	1,168.21	3/4	821.12	3/4	468.68	3/4	112.26	3/4	0.81	3/4		3/4	
6	2,244.05	6	1,882.52	6	1,523.86	6	1,160.64	6	813.97	6	461.30	6	104.87	6	0.76	6		6	
1/4	2,236.49	1/4	1,875.00	1/4	1,516.30	1/4	1,153.07	1/4	806.82	1/4	453.91	1/4	97.48	1/4	0.72	1/4		1/4	
1/2	2,228.93	1/2	1,867.47	1/2	1,508.73	1/2	1,145.50	1/2	799.67	1/2	446.53	1/2	90.09	1/2	0.68	1/2		1/2	
3/4	2,221.36	3/4	1,859.94	3/4	1,501.16	3/4	1,137.94	3/4	792.52	3/4	439.14	3/4	83.30	3/4	0.64	3/4		3/4	
7	2,213.79	7	1,852.42	7	1,493.60	7	1,130.37	7	785.37	7	431.75	7	76.51	7	0.59	7		7	
1/4	2,206.22	1/4	1,844.89	1/4	1,486.03	1/4	1,122.80	1/4	778.22	1/4	424.37	1/4	69.72	1/4	0.55	1/4		1/4	
1/2	2,198.65	1/2	1,837.36	1/2	1,478.46	1/2	1,115.24	1/2	771.07	1/2	416.98	1/2	62.93	1/2	0.51	1/2		1/2	
3/4	2,191.13	3/4	1,829.99	3/4	1,470.89	3/4	1,108.04	3/4	763.94	3/4	409.60	3/4	57.40	3/4	0.47	3/4		3/4	
8	2,183.60	8	1,822.61	8	1,463.33	8	1,100.84	8	756.80	8	402.21	8	51.88	8	0.42	8		8	
1/4	2,176.07	1/4	1,815.24	1/4	1,455.76	1/4	1,093.64	1/4	749.67	1/4	394.83	1/4	46.35	1/4	0.38	1/4		1/4	
1/2	2,168.55	1/2	1,807.86	1/2	1,448.19	1/2	1,086.44	1/2	742.54	1/2	387.44	1/2	40.83	1/2	0.34	1/2		1/2	
3/4	2,161.02	3/4	1,800.49	3/4	1,440.62	3/4	1,079.24	3/4	735.40	3/4	380.07	3/4	36.57	3/4	0.30	3/4		3/4	
9	2,153.49	9	1,793.11	9	1,433.06	9	1,072.04	9	728.27	9	372.69	9	32.31	9	0.25	9		9	
1/4	2,145.97	1/4	1,785.74	1/4	1,425.49	1/4	1,064.84	1/4	721.14	1/4	365.32	1/4	28.06	1/4	0.21	1/4		1/4	
1/2	2,138.44	1/2	1,778.37	1/2	1,417.92	1/2	1,057.64	1/2	714.00	1/2	357.95	1/2	23.80	1/2	0.17	1/2		1/2	
3/4	2,130.91	3/4	1,770.99	3/4	1,410.36	3/4	1,050.44	3/4	706.87	3/4	350.56	3/4	20.81	3/4	0.13	3/4		3/4	
10	2,123.39	10	1,763.62	10	1,402.79	10	1,043.24	10	699.74	10	343.18	10	17.82	10	0.08	10		10	
1/4	2,115.86	1/4	1,756.24	1/4	1,395.22	1/4	1,036.04	1/4	692.61	1/4	335.79	1/4	14.83	1/4	0.04	1/4		1/4	
1/2	2,108.33	1/2	1,748.87	1/2	1,387.65	1/2	1,028.84	1/2	685.47	1/2	328.41	1/2	11.83	1/2	0.00	1/2		1/2	
3/4	2,100.81	3/4	1,741.49	3/4	1,380.09	3/4	1,021.64	3/4	678.34	3/4	321.02	3/4	9.93	3/4		3/4		3/4	
11	2,093.28	11	1,734.12	11	1,372.52	11	1,014.44	11	671.21	11	313.63	11	8.03	11		11		11	
1/4	2,085.75	1/4	1,726.74	1/4	1,364.95	1/4	1,007.24	1/4	664.07	1/4	306.24	1/4	6.13	1/4		1/4		1/4	
1/2	2,078.23	1/2	1,719.37	1/2	1,357.39	1/2	1,000.04	1/2	656.94	1/2	298.85	1/2	4.23	1/2		1/2		1/2	
3/4	2,070.70	3/4	1,711.96	3/4	1,349.82	3/4	992.88	3/4	649.37	3/4	291.47	3/4	3.60	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/08/2016 CL
CALCULATED: 04/11/2016 CL
PRINTED: 04/12/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

PRECISION MEASUREMENT
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BARGE FMT 5070

3 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

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	4,512.54	0	4,392.51	0	4,240.52	0	4,079.82	0	3,887.99	0	3,524.46	0	3,161.77	0	2,798.60
1/4		1/4		1/4	4,510.17	1/4	4,389.42	1/4	4,237.26	1/4	4,076.38	1/4	3,880.40	1/4	3,516.91	1/4	3,154.21	1/4	2,791.03
1/2		1/2		1/2	4,507.80	1/2	4,386.33	1/2	4,233.99	1/2	4,072.93	1/2	3,872.82	1/2	3,509.35	1/2	3,146.65	1/2	2,783.46
3/4		3/4		3/4	4,505.44	3/4	4,383.25	3/4	4,230.73	3/4	4,069.48	3/4	3,865.23	3/4	3,501.79	3/4	3,139.10	3/4	2,775.89
1		1		1	4,503.07	1	4,380.16	1	4,227.47	1	4,066.04	1	3,857.64	1	3,494.24	1	3,131.54	1	2,768.32
1/4		1/4		1/4	4,501.81	1/4	4,377.06	1/4	4,224.20	1/4	4,062.58	1/4	3,850.05	1/4	3,486.68	1/4	3,123.98	1/4	2,760.75
1/2		1/2		1/2	4,500.55	1/2	4,373.96	1/2	4,220.92	1/2	4,059.12	1/2	3,842.47	1/2	3,479.13	1/2	3,116.43	1/2	2,753.18
3/4		3/4		3/4	4,499.28	3/4	4,370.86	3/4	4,217.64	3/4	4,055.66	3/4	3,834.88	3/4	3,471.57	3/4	3,108.87	3/4	2,745.62
2		2		2	4,498.02	2	4,367.76	2	4,214.37	2	4,052.20	2	3,827.29	2	3,464.01	2	3,101.32	2	2,738.05
1/4		1/4		1/4	4,497.86	1/4	4,364.64	1/4	4,211.08	1/4	4,048.72	1/4	3,819.71	1/4	3,456.46	1/4	3,093.76	1/4	2,730.48
1/2		1/2		1/2	4,497.70	1/2	4,361.53	1/2	4,207.79	1/2	4,045.25	1/2	3,812.12	1/2	3,448.90	1/2	3,086.20	1/2	2,722.91
3/4		3/4		3/4	4,497.54	3/4	4,358.41	3/4	4,204.50	3/4	4,041.77	3/4	3,804.53	3/4	3,441.34	3/4	3,078.65	3/4	2,715.34
3		3		3	4,497.38	3	4,355.30	3	4,201.21	3	4,038.30	3	3,796.94	3	3,433.79	3	3,071.09	3	2,707.77
1/4		1/4		1/4	4,496.26	1/4	4,352.17	1/4	4,197.90	1/4	4,034.81	1/4	3,789.36	1/4	3,426.23	1/4	3,063.52	1/4	2,700.20
1/2		1/2		1/2	4,495.15	1/2	4,349.04	1/2	4,194.60	1/2	4,031.32	1/2	3,781.77	1/2	3,418.68	1/2	3,055.95	1/2	2,692.63
3/4		3/4		3/4	4,494.04	3/4	4,345.91	3/4	4,191.29	3/4	4,027.83	3/4	3,774.18	3/4	3,411.12	3/4	3,048.38	3/4	2,685.06
4		4		4	4,492.93	4	4,342.78	4	4,187.98	4	4,024.34	4	3,766.59	4	3,403.56	4	3,040.81	4	2,677.49
1/4		1/4		1/4	4,490.87	1/4	4,339.63	1/4	4,184.66	1/4	4,020.84	1/4	3,759.01	1/4	3,396.01	1/4	3,033.24	1/4	2,669.92
1/2		1/2		1/2	4,488.81	1/2	4,336.49	1/2	4,181.33	1/2	4,017.34	1/2	3,751.42	1/2	3,388.45	1/2	3,025.68	1/2	2,662.35
3/4		3/4		3/4	4,486.74	3/4	4,333.34	3/4	4,178.00	3/4	4,013.85	3/4	3,743.83	3/4	3,380.90	3/4	3,018.11	3/4	2,654.78
5		5		5	4,484.68	5	4,330.20	5	4,174.67	5	4,010.35	5	3,736.24	5	3,373.34	5	3,010.54	5	2,647.22
1/4		1/4		1/4	4,481.67	1/4	4,327.04	1/4	4,171.33	1/4	4,006.85	1/4	3,728.66	1/4	3,365.78	1/4	3,002.97	1/4	2,639.65
1/2		1/2		1/2	4,478.66	1/2	4,323.88	1/2	4,167.98	1/2	4,003.36	1/2	3,721.07	1/2	3,358.23	1/2	2,995.40	1/2	2,632.08
3/4		3/4		3/4	4,475.65	3/4	4,320.72	3/4	4,164.64	3/4	3,999.86	3/4	3,713.48	3/4	3,350.67	3/4	2,987.83	3/4	2,624.51
6		6		6	4,472.64	6	4,317.56	6	4,161.29	6	3,996.36	6	3,705.90	6	3,343.11	6	2,980.26	6	2,616.94
1/4		1/4		1/4	4,469.19	1/4	4,314.39	1/4	4,157.94	1/4	3,992.87	1/4	3,698.34	1/4	3,335.56	1/4	2,972.69	1/4	2,609.37
1/2		1/2		1/2	4,465.74	1/2	4,311.21	1/2	4,154.58	1/2	3,989.37	1/2	3,690.78	1/2	3,328.00	1/2	2,965.12	1/2	2,601.80
3/4		3/4		3/4	4,462.28	3/4	4,308.04	3/4	4,151.22	3/4	3,985.87	3/4	3,683.22	3/4	3,320.45	3/4	2,957.55	3/4	2,594.23
7		7		7	4,458.83	7	4,304.87	7	4,147.86	7	3,982.37	7	3,675.66	7	3,312.89	7	2,949.98	7	2,586.66
1/4		1/4		1/4	4,455.35	1/4	4,301.68	1/4	4,144.49	1/4	3,978.88	1/4	3,668.10	1/4	3,305.33	1/4	2,942.41	1/4	2,579.09
1/2		1/2		1/2	4,451.87	1/2	4,298.49	1/2	4,141.12	1/2	3,975.38	1/2	3,660.54	1/2	3,297.78	1/2	2,934.85	1/2	2,571.52
3/4		3/4		3/4	4,448.40	3/4	4,295.30	3/4	4,137.74	3/4	3,971.88	3/4	3,652.98	3/4	3,290.22	3/4	2,927.28	3/4	2,563.95
8		8		8	4,444.92	8	4,292.11	8	4,134.37	8	3,968.39	8	3,645.42	8	3,282.66	8	2,919.71	8	2,556.39
1/4		1/4		1/4	4,441.43	1/4	4,288.91	1/4	4,130.98	1/4	3,964.89	1/4	3,637.86	1/4	3,275.11	1/4	2,912.14	1/4	2,548.82
1/2		1/2		1/2	4,437.94	1/2	4,285.71	1/2	4,127.60	1/2	3,961.39	1/2	3,630.30	1/2	3,267.55	1/2	2,904.57	1/2	2,541.25
3/4		3/4		3/4	4,434.46	3/4	4,282.51	3/4	4,124.21	3/4	3,957.90	3/4	3,622.74	3/4	3,260.00	3/4	2,897.00	3/4	2,533.68
9		9		9	4,430.97	9	4,279.30	9	4,120.82	9	3,954.40	9	3,615.18	9	3,252.44	9	2,889.43	9	2,526.11
1/4		1/4		1/4	4,427.48	1/4	4,276.08	1/4	4,117.42	1/4	3,950.92	1/4	3,607.62	1/4	3,244.88	1/4	2,881.86	1/4	2,518.54
1/2		1/2		1/2	4,423.99	1/2	4,272.87	1/2	4,114.02	1/2	3,947.44	1/2	3,600.06	1/2	3,237.33	1/2	2,874.29	1/2	2,510.97
3/4		3/4		3/4	4,420.51	3/4	4,269.65	3/4	4,110.61	3/4	3,943.96	3/4	3,592.50	3/4	3,229.77	3/4	2,866.72	3/4	2,503.40
10		10	4,520.06	10	4,417.02	10	4,266.43	10	4,107.21	10	3,940.48	10	3,584.94	10	3,222.21	10	2,859.15	10	2,495.83
1/4		1/4	4,519.59	1/4	4,413.96	1/4	4,263.20	1/4	4,103.80	1/4	3,934.94	1/4	3,577.38	1/4	3,214.66	1/4	2,851.58	1/4	2,488.27
1/2		1/2	4,519.13	1/2	4,410.91	1/2	4,259.97	1/2	4,100.38	1/2	3,929.41	1/2	3,569.82	1/2	3,207.10	1/2	2,844.01	1/2	2,480.70
3/4		3/4	4,518.66	3/4	4,407.85	3/4	4,256.74	3/4	4,096.96	3/4	3,923.87	3/4	3,562.26	3/4	3,199.55	3/4	2,836.45	3/4	2,473.14
11		11	4,518.20	11	4,404.79	11	4,253.50	11	4,093.55	11	3,918.34	11	3,554.70	11	3,191.99	11	2,828.88	11	2,465.57
1/4		1/4	4,516.78	1/4	4,401.72	1/4	4,250.26	1/4	4,090.11	1/4	3,910.75	1/4	3,547.14	1/4	3,184.43	1/4	2,821.31	1/4	2,458.01
1/2		1/2	4,515.37	1/2	4,398.65	1/2	4,247.01	1/2	4,086.68	1/2	3,903.17	1/2	3,539.58	1/2	3,176.88	1/2	2,813.74	1/2	2,450.44
3/4		3/4	4,513.95	3/4	4,395.58	3/4	4,243.76	3/4	4,083.25	3/4	3,895.58	3/4	3,532.02	3/4	3,169.32	3/4	2,806.17	3/4	2,442.88

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN AT 10" ULLAGE HATCH ON EXPANSION DOME MEASURED TO BOTTOM OF SUMP
GAUGE POINT: (10" ULLAGE HATCH) LOCATED 01'-00" OFF CENTERLINE AND 82'-07 1/2" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE FMT 5070

3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

10" ULLAGE HATCH - GAUGE HEIGHT MEASURED TO BOTTOM OF SUMP.

GAUGE HEIGHT 17'-10"

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	2,435.31	0	2,072.91	0	1,714.40	0	1,351.46	0	988.04	0	626.80	0	269.38	0	1.71	0		0	
1/4	2,427.75	1/4	2,065.38	1/4	1,706.98	1/4	1,343.88	1/4	980.50	1/4	619.24	1/4	261.78	1/4	1.66	1/4		1/4	
1/2	2,420.18	1/2	2,057.85	1/2	1,699.56	1/2	1,336.31	1/2	972.96	1/2	611.67	1/2	254.19	1/2	1.62	1/2		1/2	
3/4	2,412.62	3/4	2,050.32	3/4	1,692.14	3/4	1,328.73	3/4	965.43	3/4	604.11	3/4	246.60	3/4	1.58	3/4		3/4	
1	2,405.06	1	2,042.79	1	1,684.73	1	1,321.16	1	957.89	1	596.54	1	239.00	1	1.54	1		1	
1/4	2,397.49	1/4	2,035.27	1/4	1,677.15	1/4	1,313.59	1/4	950.36	1/4	588.97	1/4	231.41	1/4	1.49	1/4		1/4	
1/2	2,389.93	1/2	2,027.74	1/2	1,669.58	1/2	1,306.01	1/2	942.83	1/2	581.41	1/2	223.82	1/2	1.45	1/2		1/2	
3/4	2,382.36	3/4	2,020.21	3/4	1,662.00	3/4	1,298.44	3/4	935.30	3/4	573.84	3/4	216.23	3/4	1.41	3/4		3/4	
2	2,374.80	2	2,012.68	2	1,654.43	2	1,290.86	2	927.77	2	566.27	2	208.63	2	1.37	2		2	
1/4	2,367.23	1/4	2,005.15	1/4	1,646.85	1/4	1,283.29	1/4	920.25	1/4	558.71	1/4	201.22	1/4	1.32	1/4		1/4	
1/2	2,359.67	1/2	1,997.62	1/2	1,639.28	1/2	1,275.71	1/2	912.72	1/2	551.14	1/2	193.80	1/2	1.28	1/2		1/2	
3/4	2,352.10	3/4	1,990.09	3/4	1,631.71	3/4	1,268.14	3/4	905.19	3/4	543.57	3/4	186.39	3/4	1.24	3/4		3/4	
3	2,344.54	3	1,982.56	3	1,624.13	3	1,260.57	3	897.66	3	536.01	3	178.97	3	1.20	3		3	
1/4	2,336.97	1/4	1,975.03	1/4	1,616.56	1/4	1,252.99	1/4	890.13	1/4	528.44	1/4	171.55	1/4	1.16	1/4		1/4	
1/2	2,329.41	1/2	1,967.51	1/2	1,608.98	1/2	1,245.42	1/2	882.60	1/2	520.87	1/2	164.14	1/2	1.11	1/2		1/2	
3/4	2,321.84	3/4	1,959.98	3/4	1,601.41	3/4	1,237.84	3/4	875.07	3/4	513.31	3/4	156.72	3/4	1.07	3/4		3/4	
4	2,314.28	4	1,952.45	4	1,593.83	4	1,230.27	4	867.54	4	505.74	4	149.31	4	1.03	4		4	
1/4	2,306.71	1/4	1,944.92	1/4	1,586.26	1/4	1,222.69	1/4	860.01	1/4	498.35	1/4	141.90	1/4	0.98	1/4		1/4	
1/2	2,299.15	1/2	1,937.39	1/2	1,578.69	1/2	1,215.12	1/2	852.48	1/2	490.97	1/2	134.50	1/2	0.94	1/2		1/2	
3/4	2,291.58	3/4	1,929.86	3/4	1,571.11	3/4	1,207.55	3/4	844.96	3/4	483.58	3/4	127.09	3/4	0.90	3/4		3/4	
5	2,284.02	5	1,922.33	5	1,563.54	5	1,199.97	5	837.43	5	476.19	5	119.69	5	0.86	5		5	
1/4	2,276.46	1/4	1,914.80	1/4	1,555.96	1/4	1,192.40	1/4	829.90	1/4	468.81	1/4	112.29	1/4	0.81	1/4		1/4	
1/2	2,268.89	1/2	1,907.27	1/2	1,548.39	1/2	1,184.82	1/2	822.38	1/2	461.42	1/2	104.90	1/2	0.77	1/2		1/2	
3/4	2,261.33	3/4	1,899.74	3/4	1,540.81	3/4	1,177.25	3/4	814.85	3/4	454.03	3/4	97.51	3/4	0.73	3/4		3/4	
6	2,253.76	6	1,892.21	6	1,533.24	6	1,169.67	6	807.33	6	446.64	6	90.12	6	0.69	6		6	
1/4	2,246.19	1/4	1,884.68	1/4	1,525.67	1/4	1,162.10	1/4	799.81	1/4	439.26	1/4	83.33	1/4	0.64	1/4		1/4	
1/2	2,238.62	1/2	1,877.16	1/2	1,518.09	1/2	1,154.53	1/2	792.28	1/2	431.87	1/2	76.54	1/2	0.60	1/2		1/2	
3/4	2,231.05	3/4	1,869.63	3/4	1,510.52	3/4	1,146.95	3/4	784.76	3/4	424.48	3/4	69.74	3/4	0.56	3/4		3/4	
7	2,223.48	7	1,862.10	7	1,502.94	7	1,139.38	7	777.24	7	417.10	7	62.95	7	0.52	7		7	
1/4	2,215.95	1/4	1,854.72	1/4	1,495.37	1/4	1,131.80	1/4	769.73	1/4	409.71	1/4	57.43	1/4	0.47	1/4		1/4	
1/2	2,208.42	1/2	1,847.34	1/2	1,487.79	1/2	1,124.23	1/2	762.22	1/2	402.32	1/2	51.90	1/2	0.43	1/2		1/2	
3/4	2,200.89	3/4	1,839.97	3/4	1,480.22	3/4	1,116.65	3/4	754.71	3/4	394.94	3/4	46.37	3/4	0.39	3/4		3/4	
8	2,193.36	8	1,832.59	8	1,472.65	8	1,109.08	8	747.20	8	387.55	8	40.85	8	0.35	8		8	
1/4	2,185.84	1/4	1,825.22	1/4	1,465.07	1/4	1,101.51	1/4	739.70	1/4	380.17	1/4	36.59	1/4	0.30	1/4		1/4	
1/2	2,178.31	1/2	1,817.84	1/2	1,457.50	1/2	1,093.93	1/2	732.19	1/2	372.80	1/2	32.33	1/2	0.26	1/2		1/2	
3/4	2,170.78	3/4	1,810.46	3/4	1,449.92	3/4	1,086.36	3/4	724.68	3/4	365.42	3/4	28.07	3/4	0.22	3/4		3/4	
9	2,163.25	9	1,803.09	9	1,442.35	9	1,078.78	9	717.17	9	358.04	9	23.81	9	0.18	9		9	
1/4	2,155.72	1/4	1,795.71	1/4	1,434.77	1/4	1,071.21	1/4	709.67	1/4	350.66	1/4	20.82	1/4	0.13	1/4		1/4	
1/2	2,148.19	1/2	1,788.33	1/2	1,427.20	1/2	1,063.63	1/2	702.16	1/2	343.27	1/2	17.83	1/2	0.09	1/2		1/2	
3/4	2,140.66	3/4	1,780.96	3/4	1,419.63	3/4	1,056.06	3/4	694.65	3/4	335.88	3/4	14.84	3/4	0.05	3/4		3/4	
10	2,133.14	10	1,773.58	10	1,412.05	10	1,048.49	10	687.14	10	328.50	10	11.84	10	0.00	10		10	
1/4	2,125.61	1/4	1,766.20	1/4	1,404.48	1/4	1,040.91	1/4	679.64	1/4	321.11	1/4	9.94	1/4		1/4		1/4	
1/2	2,118.08	1/2	1,758.83	1/2	1,396.90	1/2	1,033.34	1/2	672.13	1/2	313.72	1/2	8.04	1/2		1/2		1/2	
3/4	2,110.55	3/4	1,751.45	3/4	1,389.33	3/4	1,025.76	3/4	664.62	3/4	306.33	3/4	6.14	3/4		3/4		3/4	
11	2,103.02	11	1,744.07	11	1,381.75	11	1,018.19	11	657.11	11	298.94	11	4.24	11		11		11	
1/4	2,095.49	1/4	1,736.66	1/4	1,374.18	1/4	1,010.65	1/4	649.54	1/4	291.55	1/4	3.61	1/4		1/4		1/4	
1/2	2,087.96	1/2	1,729.24	1/2	1,366.61	1/2	1,003.11	1/2	641.96	1/2	284.16	1/2	2.97	1/2		1/2		1/2	
3/4	2,080.44	3/4	1,721.82	3/4	1,359.03	3/4	995.58	3/4	634.38	3/4	276.77	3/4	2.34	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2016 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

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

BARGE FMT 5070

STBD FUEL TANK

INNAGE TABLE

GAUGE HEIGHT 5'-08 1/4"

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,293	0	3,045	0	4,886	0	6,559	0		0		0		0		0	
1/4	16	1/4	1,326	1/4	3,083	1/4	4,924	1/4	6,589	1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	1,360	1/2	3,121	1/2	4,961	1/2	6,619	1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	1,394	3/4	3,160	3/4	4,999	3/4	6,650	3/4		3/4		3/4		3/4		3/4	
1	64	1	1,428	1	3,198	1	5,036	1	6,680	1		1		1		1		1	
1/4	84	1/4	1,463	1/4	3,237	1/4	5,073	1/4	6,709	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	1,498	1/2	3,275	1/2	5,110	1/2	6,739	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	1,532	3/4	3,314	3/4	5,147	3/4	6,768	3/4		3/4		3/4		3/4		3/4	
2	144	2	1,567	2	3,352	2	5,185	2	6,797	2		2		2		2		2	
1/4	166	1/4	1,602	1/4	3,391	1/4	5,221	1/4	6,825	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	1,637	1/2	3,429	1/2	5,258	1/2	6,853	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	1,672	3/4	3,468	3/4	5,295	3/4	6,881	3/4		3/4		3/4		3/4		3/4	
3	234	3	1,707	3	3,506	3	5,332	3	6,909	3		3		3		3		3	
1/4	258	1/4	1,743	1/4	3,545	1/4	5,368	1/4	6,936	1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	1,779	1/2	3,584	1/2	5,404	1/2	6,963	1/2		1/2		1/2		1/2		1/2	
3/4	307	3/4	1,814	3/4	3,622	3/4	5,441	3/4	6,990	3/4		3/4		3/4		3/4		3/4	
4	331	4	1,850	4	3,661	4	5,477	4	7,017	4		4		4		4		4	
1/4	357	1/4	1,886	1/4	3,700	1/4	5,513	1/4	7,042	1/4		1/4		1/4		1/4		1/4	
1/2	383	1/2	1,922	1/2	3,738	1/2	5,549	1/2	7,067	1/2		1/2		1/2		1/2		1/2	
3/4	409	3/4	1,958	3/4	3,777	3/4	5,585	3/4	7,092	3/4		3/4		3/4		3/4		3/4	
5	435	5	1,995	5	3,815	5	5,621	5	7,118	5		5		5		5		5	
1/4	463	1/4	2,031	1/4	3,854	1/4	5,656	1/4	7,141	1/4		1/4		1/4		1/4		1/4	
1/2	490	1/2	2,068	1/2	3,893	1/2	5,692	1/2	7,164	1/2		1/2		1/2		1/2		1/2	
3/4	518	3/4	2,104	3/4	3,931	3/4	5,727	3/4	7,188	3/4		3/4		3/4		3/4		3/4	
6	545	6	2,141	6	3,970	6	5,762	6	7,211	6		6		6		6		6	
1/4	574	1/4	2,178	1/4	4,008	1/4	5,797	1/4	7,233	1/4		1/4		1/4		1/4		1/4	
1/2	603	1/2	2,216	1/2	4,047	1/2	5,832	1/2	7,254	1/2		1/2		1/2		1/2		1/2	
3/4	631	3/4	2,252	3/4	4,085	3/4	5,867	3/4	7,275	3/4		3/4		3/4		3/4		3/4	
7	660	7	2,289	7	4,124	7	5,902	7	7,297	7		7		7		7		7	
1/4	690	1/4	2,326	1/4	4,162	1/4	5,936	1/4	7,315	1/4		1/4		1/4		1/4		1/4	
1/2	720	1/2	2,363	1/2	4,201	1/2	5,970	1/2	7,333	1/2		1/2		1/2		1/2		1/2	
3/4	749	3/4	2,401	3/4	4,239	3/4	6,005	3/4	7,352	3/4		3/4		3/4		3/4		3/4	
8	779	8	2,438	8	4,278	8	6,039	8	7,370	8		8		8		8		8	
1/4	810	1/4	2,475	1/4	4,316	1/4	6,073	1/4	7,385	1/4		1/4		1/4		1/4		1/4	
1/2	841	1/2	2,513	1/2	4,354	1/2	6,106	1/2	7,399	1/2		1/2		1/2		1/2		1/2	
3/4	872	3/4	2,551	3/4	4,393	3/4	6,140	3/4		3/4		3/4		3/4		3/4		3/4	
9	902	9	2,588	9	4,431	9	6,174	9		9		9		9		9		9	
1/4	934	1/4	2,626	1/4	4,469	1/4	6,206	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	966	1/2	2,664	1/2	4,507	1/2	6,239	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	998	3/4	2,702	3/4	4,546	3/4	6,272	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,029	10	2,739	10	4,584	10	6,305	10		10		10		10		10		10	
1/4	1,062	1/4	2,777	1/4	4,622	1/4	6,337	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,094	1/2	2,816	1/2	4,660	1/2	6,369	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,127	3/4	2,854	3/4	4,698	3/4	6,402	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,159	11	2,892	11	4,736	11	6,434	11		11		11		11		11		11	
1/4	1,193	1/4	2,930	1/4	4,773	1/4	6,465	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,226	1/2	2,968	1/2	4,811	1/2	6,496	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,259	3/4	3,006	3/4	4,849	3/4	6,528	3/4		3/4		3/4		3/4		3/4		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.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

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

BARGE FMT 5070

PORT FUEL TANK

INNAGE TABLE

GAUGE HEIGHT 5'-08 1/4"

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	1,293	0	3,045	0	4,886	0	6,559	0		0		0		0		0	
1/4	16	1/4	1,326	1/4	3,083	1/4	4,924	1/4	6,589	1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	1,360	1/2	3,121	1/2	4,961	1/2	6,619	1/2		1/2		1/2		1/2		1/2	
3/4	48	3/4	1,394	3/4	3,160	3/4	4,999	3/4	6,650	3/4		3/4		3/4		3/4		3/4	
1	64	1	1,428	1	3,198	1	5,036	1	6,680	1		1		1		1		1	
1/4	84	1/4	1,463	1/4	3,237	1/4	5,073	1/4	6,709	1/4		1/4		1/4		1/4		1/4	
1/2	104	1/2	1,498	1/2	3,275	1/2	5,110	1/2	6,739	1/2		1/2		1/2		1/2		1/2	
3/4	124	3/4	1,532	3/4	3,314	3/4	5,147	3/4	6,768	3/4		3/4		3/4		3/4		3/4	
2	144	2	1,567	2	3,352	2	5,185	2	6,797	2		2		2		2		2	
1/4	166	1/4	1,602	1/4	3,391	1/4	5,221	1/4	6,825	1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	1,637	1/2	3,429	1/2	5,258	1/2	6,853	1/2		1/2		1/2		1/2		1/2	
3/4	211	3/4	1,672	3/4	3,468	3/4	5,295	3/4	6,881	3/4		3/4		3/4		3/4		3/4	
3	234	3	1,707	3	3,506	3	5,332	3	6,909	3		3		3		3		3	
1/4	258	1/4	1,743	1/4	3,545	1/4	5,368	1/4	6,936	1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	1,779	1/2	3,584	1/2	5,404	1/2	6,963	1/2		1/2		1/2		1/2		1/2	
3/4	307	3/4	1,814	3/4	3,622	3/4	5,441	3/4	6,990	3/4		3/4		3/4		3/4		3/4	
4	331	4	1,850	4	3,661	4	5,477	4	7,017	4		4		4		4		4	
1/4	357	1/4	1,886	1/4	3,700	1/4	5,513	1/4	7,042	1/4		1/4		1/4		1/4		1/4	
1/2	383	1/2	1,922	1/2	3,738	1/2	5,549	1/2	7,067	1/2		1/2		1/2		1/2		1/2	
3/4	409	3/4	1,958	3/4	3,777	3/4	5,585	3/4	7,092	3/4		3/4		3/4		3/4		3/4	
5	435	5	1,995	5	3,815	5	5,621	5	7,118	5		5		5		5		5	
1/4	463	1/4	2,031	1/4	3,854	1/4	5,656	1/4	7,141	1/4		1/4		1/4		1/4		1/4	
1/2	490	1/2	2,068	1/2	3,893	1/2	5,692	1/2	7,164	1/2		1/2		1/2		1/2		1/2	
3/4	518	3/4	2,104	3/4	3,931	3/4	5,727	3/4	7,188	3/4		3/4		3/4		3/4		3/4	
6	545	6	2,141	6	3,970	6	5,762	6	7,211	6		6		6		6		6	
1/4	574	1/4	2,178	1/4	4,008	1/4	5,797	1/4	7,233	1/4		1/4		1/4		1/4		1/4	
1/2	603	1/2	2,215	1/2	4,047	1/2	5,832	1/2	7,254	1/2		1/2		1/2		1/2		1/2	
3/4	631	3/4	2,252	3/4	4,085	3/4	5,867	3/4	7,275	3/4		3/4		3/4		3/4		3/4	
7	660	7	2,289	7	4,124	7	5,902	7	7,297	7		7		7		7		7	
1/4	690	1/4	2,326	1/4	4,162	1/4	5,936	1/4	7,315	1/4		1/4		1/4		1/4		1/4	
1/2	720	1/2	2,363	1/2	4,201	1/2	5,970	1/2	7,333	1/2		1/2		1/2		1/2		1/2	
3/4	749	3/4	2,401	3/4	4,239	3/4	6,005	3/4	7,352	3/4		3/4		3/4		3/4		3/4	
8	779	8	2,438	8	4,278	8	6,039	8	7,370	8		8		8		8		8	
1/4	810	1/4	2,475	1/4	4,316	1/4	6,073	1/4	7,385	1/4		1/4		1/4		1/4		1/4	
1/2	841	1/2	2,513	1/2	4,354	1/2	6,106	1/2	7,399	1/2		1/2		1/2		1/2		1/2	
3/4	872	3/4	2,551	3/4	4,393	3/4	6,140	3/4		3/4		3/4		3/4		3/4		3/4	
9	902	9	2,588	9	4,431	9	6,174	9		9		9		9		9		9	
1/4	934	1/4	2,626	1/4	4,469	1/4	6,206	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	966	1/2	2,664	1/2	4,507	1/2	6,239	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	998	3/4	2,702	3/4	4,546	3/4	6,272	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,029	10	2,739	10	4,584	10	6,305	10		10		10		10		10		10	
1/4	1,062	1/4	2,777	1/4	4,622	1/4	6,337	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,094	1/2	2,816	1/2	4,660	1/2	6,369	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,127	3/4	2,854	3/4	4,698	3/4	6,402	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,159	11	2,892	11	4,736	11	6,434	11		11		11		11		11		11	
1/4	1,193	1/4	2,930	1/4	4,773	1/4	6,465	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,226	1/2	2,968	1/2	4,811	1/2	6,496	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,259	3/4	3,006	3/4	4,849	3/4	6,528	3/4		3/4		3/4		3/4		3/4		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.

STRAPPED: 04/22/2016 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2016

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