BARGE "DBL 160"

ULLAGE TRIM TABLE

	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 CENTER	- 00-1/8	00-1/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 01-0/8	01-0/8
2 CENTER	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4
3 CENTER	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2

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

LENGTH BETWEEN DRAFT MARKS: 162'-03"

September 10, 2020

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

http://www.pmacorp.net

BARGE "DBL 160"

1 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	3,225.55	0	3,013.89	0	2,802.23	0	2,585.95	0	2,342.69	0	2,099.41	0	1,856.08	0	1,612.75
1/4		1/4		1/4	3,221.14	1/4	3,009.48	1/4	2,797.82	1/4	2,580.88	1/4	2,337.63	1/4	2,094.34	1/4	1,851.01	1/4	1,607.68
1/2		1/2		1/2	3,216.73	1/2	3,005.07	1/2	2,793.41	1/2	2,575.81	1/2	2,332.56	1/2	2,089.27	1/2	1,845.94	1/2	1,602.61
3/4		3/4		3/4	3,212.32	3/4	3,000.66	3/4	2,789.00	3/4	2,570.75	3/4	2,327.50	3/4	2,084.20	3/4	1,840.87	3/4	1,597.54
1		1		1	3,207.91	1	2,996.25	1	2,784.59	1	2,565.68	1	2,322.43	1	2,079.13	1	1,835.80	1	1,592.47
1/4		1/4	3,384.61	1/4	3,203.50	1/4	2,991.84	1/4	2,780.18	1/4	2,560.61	1/4	2,317.37	1/4	2,074.06	1/4	1,830.73	1/4	1,587.40
1/2		1/2	3,384.43	1/2	3,199.09	1/2	2,987.43	1/2	2,775.77	1/2	2,555.54	1/2	2,312.30	1/2	2,068.99	1/2	1,825.66	1/2	1,582.33
3/4		3/4	3,384.26	3/4	3,194.68	3/4	2,983.02	3/4	2,771.36	3/4	2,550.47	3/4	2,307.24	3/4	2,063.92	3/4	1,820.59	3/4	1,577.26
2		2	3,384.08	2	3,190.28	2	2,978.61	2	2,766.95	2	2,545.40	2	2,302.17	2	2,058.85	2	1,815.52	2	1,572.19
1/4		1/4	3,383.91	1/4	3,185.87	1/4	2,974.20	1/4	2,762.54	1/4	2,540.33	1/4	2,297.11	1/4	2,053.78	1/4	1,810.45	1/4	1,567.12
1/2		1/2	3,382.04	1/2	3,181.46	1/2	2,969.80	1/2	2,758.13	1/2	2,535.26	1/2	2,292.04	1/2	2,048.71	1/2	1,805.38	1/2	1,562.05
3/4		3/4	3,380.17	3/4	3,177.05	3/4	2,965.39	3/4	2,753.72	3/4	2,530.20	3/4	2,286.98	3/4	2,043.65	3/4	1,800.31	3/4	1,556.98
3		3	3,378.31	3	3,172.64	3	2,960.98	3	2,749.32	3	2,525.13	3	2,281.91	3	2,038.58	3	1,795.24	3	1,551.91
1/4		1/4	3,376.44	1/4	3,168.23	1/4	2,956.57	1/4	2,744.91	1/4	2,520.06	1/4	2,276.85	1/4	2,033.51	1/4	1,790.18	1/4	1,546.84
1/2		1/2	3,372.88	1/2	3,163.82	1/2	2,952.16	1/2	2,740.50	1/2	2,514.99	1/2	2,271.78	1/2	2,028.44	1/2	1,785.11	1/2	1,541.77
3/4		3/4	3,369.31	3/4	3,159.41	3/4	2,947.75	3/4	2,736.09	3/4	2,509.92	3/4	2,266.71	3/4	2,023.37	3/4	1,780.04	3/4	1,536.71
4		4	3,365.75	4	3,155.00	4	2,943.34	4	2,731.68	4	2,504.85	4	2,261.64	4	2,018.30	4	1,774.97	4	1,531.64
1/4		1/4	3,362.19	1/4	3,150.59	1/4	2,938.93	1/4	2,727.27	1/4	2,499.78	1/4	2,256.57	1/4	2,013.23	1/4	1,769.90	1/4	1,526.57
1/2		1/2	3,357.79	1/2	3,146.18	1/2	2,934.52	1/2	2,722.86	1/2	2,494.71	1/2	2,251.50	1/2	2,008.16	1/2	1,764.83	1/2	1,521.50
3/4		3/4	3,353.40	3/4	3,141.77	3/4	2,930.11	3/4	2,718.45	3/4	2,489.65	3/4	2,246.43	3/4	2,003.09	3/4	1,759.76	3/4	1,516.43
5		5	3,349.01	5	3,137.36	5	2,925.70	5	2,714.04	5	2,484.58	5	2,241.36	5	1,998.02	5	1,754.69	5	1,511.36
1/4		1/4	3,344.61	1/4	3,132.95	1/4	2,921.29	1/4	2,709.63	1/4	2,479.51	1/4	2,236.29	1/4	1,992.95	1/4	1,749.62	1/4	1,506.29
1/2		1/2	3,340.20	1/2	3,128.54	1/2	2,916.88	1/2	2,705.22	1/2	2,474.44	1/2	2,231.22	1/2	1,987.88	1/2	1,744.55	1/2	1,501.22
3/4		3/4	3,335.79	3/4	3,124.13	3/4	2,912.47	3/4	2,700.81	3/4	2,469.37	3/4	2,226.15	3/4	1,982.81	3/4	1,739.48	3/4	1,496.15
6		6	3,331.38	6	3,119.72	6	2,908.06	6	2,696.40	6	2,464.30	6	2,221.08	6	1,977.74	6	1,734.41	6	1,491.08
1/4		1/4	3,326.97	1/4	3,115.31	1/4	2,903.65	1/4	2,691.99	1/4	2,459.23	1/4	2,216.01	1/4	1,972.67	1/4	1,729.34	1/4	1,486.01
1/2		1/2	3,322.56	1/2	3,110.90	1/2	2,899.24	1/2	2,687.58	1/2	2,454.17	1/2	2,210.94	1/2	1,967.60	1/2	1,724.27	1/2	1,480.94
3/4		3/4	3,318.15	3/4	3,106.49	3/4	2,894.83	3/4	2,683.17	3/4	2,449.10	3/4	2,205.87	3/4	1,962.53	3/4	1,719.20	3/4	1,475.87
7		7	3,313.74	7	3,102.08	7	2,890.42	7	2,678.76	7	2,444.03	7	2,200.80	7	1,957.47	7	1,714.13	7	1,470.80
1/4		1/4	3,309.33	1/4	3,097.67	1/4	2,886.01	1/4	2,674.35	1/4	2,438.96	1/4	2,195.73	1/4	1,952.40	1/4	1,709.06	1/4	1,465.73
1/2		1/2	3,304.92	1/2	3,093.26	1/2	2,881.60	1/2	2,669.94	1/2	2,433.89	1/2	2,190.66	1/2	1,947.33	1/2	1,704.00	1/2	1,460.66
3/4		3/4	3,300.52	3/4	3,088.85	3/4	2,877.19	3/4	2,665.53	3/4	2,428.82	3/4	2,185.59	3/4	1,942.26	3/4	1,698.93	3/4	1,455.59
8		8	3,296.11	8	3,084.44	8	2,872.78	8	2,661.12	8	2,423.75	8	2,180.52	8	1,937.19	8	1,693.86	8	1,450.53
1/4		1/4	3,291.70	1/4	3,080.04	1/4	2,868.37	1/4	2,656.71	1/4	2,418.68	1/4	2,175.45	1/4	1,932.12	1/4	1,688.79	1/4	1,445.46
1/2		1/2	3,287.29	1/2	3,075.63	1/2	2,863.96	1/2	2,652.30	1/2	2,413.62	1/2	2,170.38	1/2	1,927.05	1/2	1,683.72	1/2	1,440.39
3/4		3/4	3,282.88	3/4	3,071.22	3/4	2,859.56	3/4	2,647.89	3/4	2,408.55	3/4	2,165.31	3/4	1,921.98	3/4	1,678.65	3/4	1,435.32
9		9	3,278.47	9	3,066.81	9	2,855.15	9	2,643.48	9	2,403.48	9	2,160.24	9	1,916.91	9	1,673.58	9	1,430.25
1/4		1/4	3,274.06	1/4	3,062.40	1/4	2,850.74	1/4	2,639.08	1/4	2,398.41	1/4	2,155.17	1/4	1,911.84	1/4	1,668.51	1/4	1,425.18
1/2		1/2	3,269.65	1/2	3,057.99	1/2	2,846.33	1/2	2,634.67	1/2	2,393.34	1/2	2,150.10	1/2	1,906.77	1/2	1,663.44	1/2	1,420.11
3/4		3/4	3,265.24	3/4	3,053.58	3/4	2,841.92	3/4	2,630.26	3/4	2,388.28	3/4	2,145.03	3/4	1,901.70	3/4	1,658.37	3/4	1,415.04
10		10	3,260.83	10	3,049.17	10	2,837.51	10	2,625.85	10	2,383.21	10	2,139.96	10	1,896.63	10	1,653.30	10	1,409.97
1/4		1/4	3,256.42	1/4	3,044.76	1/4	2,833.10	1/4	2,621.44	1/4	2,378.15	1/4	2,134.89	1/4	1,891.56	1/4	1,648.23	1/4	1,404.90
1/2		1/2	3,252.01	1/2	3,040.35	1/2	2,828.69	1/2	2,616.37	1/2	2,373.08	1/2	2,129.82	1/2	1,886.49	1/2	1,643.16	1/2	1,399.83
3/4		3/4	3,247.60	3/4	3,035.94	3/4	2,824.28	3/4	2,611.30	3/4	2,368.02	3/4	2,124.76	3/4	1,881.42	3/4	1,638.09	3/4	1,394.76
11		11	3,243.19	11	3,031.53	11	2,819.87	11	2,606.23	11	2,362.95	11	2,119.69	11	1,876.35	11	1,633.02	11	1,389.69
1/4		1/4	3,238.78	1/4	3,027.12	1/4	2,815.46	1/4	2,601.16	1/4	2,357.89	1/4	2,114.62	1/4	1,871.29	1/4	1,627.95	1/4	1,384.62
1/2		1/2	3,234.37	1/2	3,022.71	1/2	2,811.05	1/2	2,596.09	1/2	2,352.82	1/2	2,109.55	1/2	1,866.22	1/2	1,622.88	1/2	1,379.55
3/4		3/4	3,229.96	3/4	3,018.30	3/4	2,806.64	3/4	2,591.02	3/4	2,347.76	3/4	2,104.48	3/4	1,861.15	3/4	1,617.82	3/4	1,374.48

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 TO TOP OF 2" DIAMETER "MMC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-03" FORWARD OF AFT BULKHEAD.

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

BARGE "DBL 160"

1 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,369.41	0	1,126.08	0	882.75	0	639.30	0	399.16	0	158.25	0		0		0		0	
1/4	1,364.35	1/4	1,121.01	1/4	877.69	1/4	634.22	1/4	394.25	1/4	153.17	1/4		1/4		1/4		1/4	
1/2	1,359.28	1/2	1,115.94	1/2	872.62	1/2	629.14	1/2	389.33	1/2	148.09	1/2		1/2		1/2		1/2	
3/4	1,354.21	3/4	1,110.88	3/4	867.55	3/4	624.06	3/4	384.42	3/4	143.00	3/4		3/4		3/4		3/4	
1	1,349.14	1	1,105.81	1	862.48	1	618.98	1	379.51	1	137.92	1		1		1		1	
1/4	1,344.07	1/4	1,100.74	1/4	857.41	1/4	613.90	1/4	374.60	1/4	132.84	1/4		1/4		1/4		1/4	
1/2	1,339.00	1/2	1,095.67	1/2	852.34	1/2	608.82	1/2	369.65	1/2	127.76	1/2		1/2		1/2		1/2	
3/4	1,333.93	3/4	1,090.60	3/4	847.27	3/4	603.73	3/4	364.71	3/4	122.67	3/4		3/4		3/4		3/4	
2	1,328.86	2	1,085.53	2	842.20	2	598.65	2	359.77	2	117.59	2		2		2		2	
1/4	1,323.79	1/4	1,080.46	1/4	837.13	1/4	593.57	1/4	354.83	1/4	112.51	1/4		1/4		1/4		1/4	
1/2	1,318.72	1/2	1,075.39	1/2	832.06	1/2	588.49	1/2	349.89	1/2	107.43	1/2		1/2		1/2		1/2	
3/4	1,313.65	3/4	1,070.32	3/4	826.99	3/4	583.41	3/4	344.94	3/4	102.34	3/4		3/4		3/4		3/4	
3	1,308.58	3	1,065.25	3	821.92	3	578.33	3	340.00	3	97.26	3		3		3		3	
1/4	1,303.51	1/4	1,060.18	1/4	816.85	1/4	573.25	1/4	335.06	1/4	92.18	1/4		1/4		1/4		1/4	
1/2	1,298.44	1/2	1,055.11	1/2	811.78	1/2	568.17	1/2	330.03	1/2	87.10	1/2		1/2		1/2		1/2	
3/4	1,293.37	3/4	1,050.04	3/4	806.72	3/4	563.09	3/4	325.01	3/4	82.02	3/4		3/4		3/4		3/4	
4	1,288.30	4	1,044.97	4	801.65	4	558.01	4	319.98	4	76.94	4		4		4		4	
1/4	1,283.24	1/4	1,039.90	1/4	796.58	1/4	552.93	1/4	314.95	1/4	71.85	1/4		1/4		1/4		1/4	
1/2	1,278.17	1/2	1,034.83	1/2	791.51	1/2	547.84	1/2	309.92	1/2	66.78	1/2		1/2		1/2		1/2	
3/4	1,273.10	3/4	1,029.77	3/4	786.44	3/4	542.76	3/4	304.90	3/4	61.71	3/4		3/4		3/4		3/4	
5	1,268.03	5	1,024.70	5	781.37	5	537.68	5	299.87	5	56.65	5		5		5		5	
1/4	1,262.96	1/4	1,019.63	1/4	776.30	1/4	532.60	1/4	294.84	1/4	51.58	1/4		1/4		1/4		1/4	
1/2	1,257.89	1/2	1,014.56	1/2	771.23	1/2	527.65	1/2	289.80	1/2	46.54	1/2		1/2		1/2		1/2	
3/4	1,252.82	3/4	1,009.49	3/4	766.16	3/4	522.70	3/4	284.75	3/4	41.50	3/4		3/4		3/4		3/4	
6	1,247.75	6	1,004.42	6	761.09	6	517.75	6	279.70	6	36.46	6		6		6		6	
1/4	1,242.68	1/4	999.35	1/4	756.02	1/4	512.81	1/4	274.66	1/4	31.42	1/4		1/4		1/4		1/4	
1/2	1,237.61	1/2	994.28	1/2	750.95	1/2	507.86	1/2	269.61	1/2	27.19	1/2		1/2		1/2		1/2	
3/4	1,232.54	3/4	989.21	3/4	745.88	3/4	502.91	3/4	264.57	3/4	22.95	3/4		3/4		3/4		3/4	
7	1,227.47	7	984.14	7	740.81	7	497.96	7	259.52	7	18.72	7		7		7		7	
1/4	1,222.40	1/4	979.07	1/4	735.75	1/4	493.01	1/4	254.47	1/4	14.49	1/4		1/4		1/4		1/4	
1/2	1,217.33	1/2	974.00	1/2	730.68	1/2	488.06	1/2	249.44	1/2	11.95	1/2		1/2		1/2		1/2	
3/4	1,212.26	3/4	968.93	3/4	725.61	3/4	483.11	3/4	244.41	3/4	9.41	3/4		3/4		3/4		3/4	
8	1,207.19	8	963.86	8	720.54	8	478.16	8	239.38	8	6.86	8		8		8		8	
1/4	1,202.12	1/4	958.79	1/4	715.47	1/4	473.21	1/4	234.35	1/4	4.32	1/4		1/4		1/4		1/4	
1/2	1,197.06	1/2	953.72	1/2	710.40	1/2	468.26	1/2	229.30	1/2	3.48	1/2		1/2		1/2		1/2	
3/4	1,191.99	3/4	948.66	3/4	705.33	3/4	463.31	3/4	224.26	3/4	2.63	3/4		3/4		3/4		3/4	
9	1,186.92	9	943.59	9	700.26	9	458.37	9	219.21	9	1.78	9		9		9		9	
1/4	1,181.85	1/4	938.52	1/4	695.19	1/4	453.42	1/4	214.16	1/4	0.94	1/4		1/4		1/4		1/4	
1/2	1,176.78	1/2	933.45	1/2	690.11	1/2	448.47	1/2	209.08	1/2		1/2		1/2		1/2		1/2	
3/4	1,171.71	3/4	928.38	3/4	685.03	3/4	443.52	3/4	203.99	3/4		3/4		3/4		3/4		3/4	
10	1,166.64	10	923.31	10	679.95	10	438.57	10	198.91	10		10		10		10		10	
1/4	1,161.57	1/4	918.24	1/4	674.87	1/4	433.62	1/4	193.83	1/4		1/4		1/4		1/4		1/4	
1/2	1,156.50	1/2	913.17	1/2	669.79	1/2	428.69	1/2	188.75	1/2		1/2		1/2		1/2		1/2	
3/4	1,151.43	3/4	908.10	3/4	664.71	3/4	423.76	3/4	183.66	3/4		3/4		3/4		3/4		3/4	
11	1,146.36	11	903.03	11	659.62	11	418.83	11	178.58	11		11		11		11		11	
1/4	1,141.29	1/4	897.96	1/4	654.54	1/4	413.90	1/4	173.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,136.22	1/2	892.89	1/2	649.46	1/2	408.98	1/2	168.42	1/2		1/2		1/2		1/2		1/2	
3/4	1,131.15	3/4	887.82	3/4	644.38	3/4	404.07	3/4	163.33	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2020 CL
CALCULATED: 09/10/2020 CL
PRINTED: 09/10/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2020

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

BARGE "DBL 160"

2 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-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	3,846.77	0	3,565.66	0	3,284.55	0	3,003.44	0	2,722.34	0	2,441.23	0	2,160.12	0	1,879.02
1/4		1/4		1/4	3,840.91	1/4	3,559.80	1/4	3,278.70	1/4	2,997.59	1/4	2,716.48	1/4	2,435.37	1/4	2,154.27	1/4	1,873.16
1/2		1/2		1/2	3,835.05	1/2	3,553.95	1/2	3,272.84	1/2	2,991.73	1/2	2,710.62	1/2	2,429.52	1/2	2,148.41	1/2	1,867.30
3/4		3/4		3/4	3,829.20	3/4	3,548.09	3/4	3,266.98	3/4	2,985.88	3/4	2,704.77	3/4	2,423.66	3/4	2,142.55	3/4	1,861.45
1		1		1	3,823.34	1	3,542.23	1	3,261.13	1	2,980.02	1	2,698.91	1	2,417.80	1	2,136.70	1	1,855.59
1/4		1/4		1/4	3,817.48	1/4	3,536.38	1/4	3,255.27	1/4	2,974.16	1/4	2,693.06	1/4	2,411.95	1/4	2,130.84	1/4	1,849.73
1/2		1/2		1/2	3,811.63	1/2	3,530.52	1/2	3,249.41	1/2	2,968.31	1/2	2,687.20	1/2	2,406.09	1/2	2,124.98	1/2	1,843.88
3/4		3/4		3/4	3,805.77	3/4	3,524.66	3/4	3,243.56	3/4	2,962.45	3/4	2,681.34	3/4	2,400.24	3/4	2,119.13	3/4	1,838.02
2		2	4,045.81	2	3,799.92	2	3,518.81	2	3,237.70	2	2,956.59	2	2,675.49	2	2,394.38	2	2,113.27	2	1,832.16
1/4		1/4	4,044.83	1/4	3,794.06	1/4	3,512.95	1/4	3,231.84	1/4	2,950.74	1/4	2,669.63	1/4	2,388.52	1/4	2,107.42	1/4	1,826.31
1/2		1/2	4,043.86	1/2	3,788.20	1/2	3,507.09	1/2	3,225.99	1/2	2,944.88	1/2	2,663.77	1/2	2,382.67	1/2	2,101.56	1/2	1,820.45
3/4		3/4	4,042.88	3/4	3,782.35	3/4	3,501.24	3/4	3,220.13	3/4	2,939.02	3/4	2,657.92	3/4	2,376.81	3/4	2,095.70	3/4	1,814.60
3		3	4,041.91	3	3,776.49	3	3,495.38	3	3,214.27	3	2,933.17	3	2,652.06	3	2,370.95	3	2,089.85	3	1,808.74
1/4		1/4	4,038.98	1/4	3,770.63	1/4	3,489.53	1/4	3,208.42	1/4	2,927.31	1/4	2,646.20	1/4	2,365.10	1/4	2,083.99	1/4	1,802.88
1/2		1/2	4,036.05	1/2	3,764.78	1/2	3,483.67	1/2	3,202.56	1/2	2,921.45	1/2	2,640.35	1/2	2,359.24	1/2	2,078.13	1/2	1,797.03
3/4		3/4	4,033.12	3/4	3,758.92	3/4	3,477.81	3/4	3,196.71	3/4	2,915.60	3/4	2,634.49	3/4	2,353.38	3/4	2,072.28	3/4	1,791.17
4		4	4,030.19	4	3,753.06	4	3,471.96	4	3,190.85	4	2,909.74	4	2,628.63	4	2,347.53	4	2,066.42	4	1,785.31
1/4		1/4	4,025.31	1/4	3,747.21	1/4	3,466.10	1/4	3,184.99	1/4	2,903.89	1/4	2,622.78	1/4	2,341.67	1/4	2,060.56	1/4	1,779.46
1/2		1/2	4,020.43	1/2	3,741.35	1/2	3,460.24	1/2	3,179.14	1/2	2,898.03	1/2	2,616.92	1/2	2,335.81	1/2	2,054.71	1/2	1,773.60
3/4		3/4	4,015.55	3/4	3,735.49	3/4	3,454.39	3/4	3,173.28	3/4	2,892.17	3/4	2,611.07	3/4	2,329.96	3/4	2,048.85	3/4	1,767.74
5		5	4,010.67	5	3,729.64	5	3,448.53	5	3,167.42	5	2,886.32	5	2,605.21	5	2,324.10	5	2,042.99	5	1,761.89
1/4		1/4	4,004.84	1/4	3,723.78	1/4	3,442.67	1/4	3,161.57	1/4	2,880.46	1/4	2,599.35	1/4	2,318.25	1/4	2,037.14	1/4	1,756.03
1/2		1/2	3,999.00	1/2	3,717.93	1/2	3,436.82	1/2	3,155.71	1/2	2,874.60	1/2	2,593.50	1/2	2,312.39	1/2	2,031.28	1/2	1,750.17
3/4		3/4	3,993.16	3/4	3,712.07	3/4	3,430.96	3/4	3,149.85	3/4	2,868.75	3/4	2,587.64	3/4	2,306.53	3/4	2,025.43	3/4	1,744.32
6		6	3,987.32	6	3,706.21	6	3,425.11	6	3,144.00	6	2,862.89	6	2,581.78	6	2,300.68	6	2,019.57	6	1,738.46
1/4		1/4	3,981.46	1/4	3,700.36	1/4	3,419.25	1/4	3,138.14	1/4	2,857.03	1/4	2,575.93	1/4	2,294.82	1/4	2,013.71	1/4	1,732.61
1/2		1/2	3,975.61	1/2	3,694.50	1/2	3,413.39	1/2	3,132.29	1/2	2,851.18	1/2	2,570.07	1/2	2,288.96	1/2	2,007.86	1/2	1,726.75
3/4		3/4	3,969.75	3/4	3,688.64	3/4	3,407.54	3/4	3,126.43	3/4	2,845.32	3/4	2,564.21	3/4	2,283.11	3/4	2,002.00	3/4	1,720.89
7		7	3,963.89	7	3,682.79	7	3,401.68	7	3,120.57	7	2,839.47	7	2,558.36	7	2,277.25	7	1,996.14	7	1,715.04
1/4		1/4	3,958.04	1/4	3,676.93	1/4	3,395.82	1/4	3,114.72	1/4	2,833.61	1/4	2,552.50	1/4	2,271.39	1/4	1,990.29	1/4	1,709.18
1/2		1/2	3,952.18	1/2	3,671.07	1/2	3,389.97	1/2	3,108.86	1/2	2,827.75	1/2	2,546.65	1/2	2,265.54	1/2	1,984.43	1/2	1,703.32
3/4		3/4	3,946.33	3/4	3,665.22	3/4	3,384.11	3/4	3,103.00	3/4	2,821.90	3/4	2,540.79	3/4	2,259.68	3/4	1,978.57	3/4	1,697.47
8		8	3,940.47	8	3,659.36	8	3,378.25	8	3,097.15	8	2,816.04	8	2,534.93	8	2,253.83	8	1,972.72	8	1,691.61
1/4		1/4	3,934.61	1/4	3,653.50	1/4	3,372.40	1/4	3,091.29	1/4	2,810.18	1/4	2,529.08	1/4	2,247.97	1/4	1,966.86	1/4	1,685.75
1/2		1/2	3,928.76	1/2	3,647.65	1/2	3,366.54	1/2	3,085.43	1/2	2,804.33	1/2	2,523.22	1/2	2,242.11	1/2	1,961.01	1/2	1,679.90
3/4		3/4	3,922.90	3/4	3,641.79	3/4	3,360.68	3/4	3,079.58	3/4	2,798.47	3/4	2,517.36	3/4	2,236.26	3/4	1,955.15	3/4	1,674.04
9		9	3,917.04	9	3,635.94	9	3,354.83	9	3,073.72	9	2,792.61	9	2,511.51	9	2,230.40	9	1,949.29	9	1,668.19
1/4		1/4	3,911.19	1/4	3,630.08	1/4	3,348.97	1/4	3,067.86	1/4	2,786.76	1/4	2,505.65	1/4	2,224.54	1/4	1,943.44	1/4	1,662.33
1/2		1/2	3,905.33	1/2	3,624.22	1/2	3,343.12	1/2	3,062.01	1/2	2,780.90	1/2	2,499.79	1/2	2,218.69	1/2	1,937.58	1/2	1,656.47
3/4		3/4	3,899.47	3/4	3,618.37	3/4	3,337.26	3/4	3,056.15	3/4	2,775.04	3/4	2,493.94	3/4	2,212.83	3/4	1,931.72	3/4	1,650.62
10		10	3,893.62	10	3,612.51	10	3,331.40	10	3,050.30	10	2,769.19	10	2,488.08	10	2,206.97	10	1,925.87	10	1,644.76
1/4		1/4	3,887.76	1/4	3,606.65	1/4	3,325.55	1/4	3,044.44	1/4	2,763.33	1/4	2,482.22	1/4	2,201.12	1/4	1,920.01	1/4	1,638.90
1/2		1/2	3,881.90	1/2	3,600.80	1/2	3,319.69	1/2	3,038.58	1/2	2,757.48	1/2	2,476.37	1/2	2,195.26	1/2	1,914.15	1/2	1,633.05
3/4		3/4	3,876.05	3/4	3,594.94	3/4	3,313.83	3/4	3,032.73	3/4	2,751.62	3/4	2,470.51	3/4	2,189.40	3/4	1,908.30	3/4	1,627.19
11		11	3,870.19	11	3,589.08	11	3,307.98	11	3,026.87	11	2,745.76	11	2,464.66	11	2,183.55	11	1,902.44	11	1,621.33
1/4		1/4	3,864.34	1/4	3,583.23	1/4	3,302.12	1/4	3,021.01	1/4	2,739.91	1/4	2,458.80	1/4	2,177.69	1/4	1,896.58	1/4	1,615.48
1/2		1/2	3,858.48	1/2	3,577.37	1/2	3,296.26	1/2	3,015.16	1/2	2,734.05	1/2	2,452.94	1/2	2,171.84	1/2	1,890.73	1/2	1,609.62
3/4		3/4	3,852.62	3/4	3,571.52	3/4	3,290.41	3/4	3,009.30	3/4	2,728.19	3/4	2,447.09	3/4	2,165.98	3/4	1,884.87	3/4	1,603.76

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 TO TOP OF 2" DIAMETER "MMC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 32'-00" FORWARD OF AFT BULKHEAD.

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

BARGE "DBL 160"

2 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-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	1,597.91	0	1,316.80	0	1,035.69	0	754.59	0	475.64	0	199.77	0		0		0		0	
1/4	1,592.05	1/4	1,310.94	1/4	1,029.84	1/4	748.73	1/4	469.97	1/4	193.91	1/4		1/4		1/4		1/4	
1/2	1,586.20	1/2	1,305.09	1/2	1,023.98	1/2	742.87	1/2	464.30	1/2	188.05	1/2		1/2		1/2		1/2	
3/4	1,580.34	3/4	1,299.23	3/4	1,018.12	3/4	737.02	3/4	458.63	3/4	182.20	3/4		3/4		3/4		3/4	
1	1,574.48	1	1,293.38	1	1,012.27	1	731.16	1	452.96	1	176.34	1		1		1		1	
1/4	1,568.63	1/4	1,287.52	1/4	1,006.41	1/4	725.30	1/4	447.29	1/4	170.49	1/4		1/4		1/4		1/4	
1/2	1,562.77	1/2	1,281.66	1/2	1,000.56	1/2	719.45	1/2	441.62	1/2	164.63	1/2		1/2		1/2		1/2	
3/4	1,556.91	3/4	1,275.81	3/4	994.70	3/4	713.59	3/4	435.95	3/4	158.77	3/4		3/4		3/4		3/4	
2	1,551.06	2	1,269.95	2	988.84	2	707.74	2	430.28	2	152.92	2		2		2		2	
1/4	1,545.20	1/4	1,264.09	1/4	982.99	1/4	701.88	1/4	424.61	1/4	147.06	1/4		1/4		1/4		1/4	
1/2	1,539.34	1/2	1,258.24	1/2	977.13	1/2	696.02	1/2	418.94	1/2	141.20	1/2		1/2		1/2		1/2	
3/4	1,533.49	3/4	1,252.38	3/4	971.27	3/4	690.17	3/4	413.27	3/4	135.35	3/4		3/4		3/4		3/4	
3	1,527.63	3	1,246.52	3	965.42	3	684.31	3	407.60	3	129.49	3		3		3		3	
1/4	1,521.78	1/4	1,240.67	1/4	959.56	1/4	678.45	1/4	401.93	1/4	123.64	1/4		1/4		1/4		1/4	
1/2	1,515.92	1/2	1,234.81	1/2	953.70	1/2	672.60	1/2	396.26	1/2	117.78	1/2		1/2		1/2		1/2	
3/4	1,510.06	3/4	1,228.96	3/4	947.85	3/4	666.74	3/4	390.59	3/4	111.92	3/4		3/4		3/4		3/4	
4	1,504.21	4	1,223.10	4	941.99	4	660.88	4	384.92	4	106.07	4		4		4		4	
1/4	1,498.35	1/4	1,217.24	1/4	936.14	1/4	655.03	1/4	379.26	1/4	100.21	1/4		1/4		1/4		1/4	
1/2	1,492.49	1/2	1,211.39	1/2	930.28	1/2	649.17	1/2	373.59	1/2	94.36	1/2		1/2		1/2		1/2	
3/4	1,486.64	3/4	1,205.53	3/4	924.42	3/4	643.32	3/4	367.92	3/4	88.50	3/4		3/4		3/4		3/4	
5	1,480.78	5	1,199.67	5	918.57	5	637.46	5	362.25	5	82.65	5		5		5		5	
1/4	1,474.92	1/4	1,193.82	1/4	912.71	1/4	631.60	1/4	356.58	1/4	76.81	1/4		1/4		1/4		1/4	
1/2	1,469.07	1/2	1,187.96	1/2	906.85	1/2	625.75	1/2	350.91	1/2	70.97	1/2		1/2		1/2		1/2	
3/4	1,463.21	3/4	1,182.10	3/4	901.00	3/4	619.89	3/4	345.24	3/4	65.13	3/4		3/4		3/4		3/4	
6	1,457.35	6	1,176.25	6	895.14	6	614.03	6	339.57	6	59.28	6		6		6		6	
1/4	1,451.50	1/4	1,170.39	1/4	889.28	1/4	608.18	1/4	333.90	1/4	53.48	1/4		1/4		1/4		1/4	
1/2	1,445.64	1/2	1,164.53	1/2	883.43	1/2	602.32	1/2	328.23	1/2	47.67	1/2		1/2		1/2		1/2	
3/4	1,439.79	3/4	1,158.68	3/4	877.57	3/4	596.46	3/4	322.56	3/4	41.87	3/4		3/4		3/4		3/4	
7	1,433.93	7	1,152.82	7	871.71	7	590.61	7	316.89	7	36.06	7		7		7		7	
1/4	1,428.07	1/4	1,146.97	1/4	865.86	1/4	584.75	1/4	311.03	1/4	31.18	1/4		1/4		1/4		1/4	
1/2	1,422.22	1/2	1,141.11	1/2	860.00	1/2	578.89	1/2	305.18	1/2	26.31	1/2		1/2		1/2		1/2	
3/4	1,416.36	3/4	1,135.25	3/4	854.15	3/4	573.04	3/4	299.32	3/4	21.43	3/4		3/4		3/4		3/4	
8	1,410.50	8	1,129.40	8	848.29	8	567.18	8	293.47	8	16.55	8		8		8		8	
1/4	1,404.65	1/4	1,123.54	1/4	842.43	1/4	561.33	1/4	287.61	1/4	13.62	1/4		1/4		1/4		1/4	
1/2	1,398.79	1/2	1,117.68	1/2	836.58	1/2	555.47	1/2	281.75	1/2	10.70	1/2		1/2		1/2		1/2	
3/4	1,392.93	3/4	1,111.83	3/4	830.72	3/4	549.61	3/4	275.90	3/4	7.77	3/4		3/4		3/4		3/4	
9	1,387.08	9	1,105.97	9	824.86	9	543.76	9	270.04	9	4.84	9		9		9		9	
1/4	1,381.22	1/4	1,100.11	1/4	819.01	1/4	538.08	1/4	264.19	1/4	3.86	1/4		1/4		1/4		1/4	
1/2	1,375.37	1/2	1,094.26	1/2	813.15	1/2	532.40	1/2	258.33	1/2	2.89	1/2		1/2		1/2		1/2	
3/4	1,369.51	3/4	1,088.40	3/4	807.29	3/4	526.72	3/4	252.47	3/4	1.91	3/4		3/4		3/4		3/4	
10	1,363.65	10	1,082.55	10	801.44	10	521.04	10	246.62	10	0.94	10		10		10		10	
1/4	1,357.80	1/4	1,076.69	1/4	795.58	1/4	515.36	1/4	240.76	1/4		1/4		1/4		1/4		1/4	
1/2	1,351.94	1/2	1,070.83	1/2	789.73	1/2	509.68	1/2	234.90	1/2		1/2		1/2		1/2		1/2	
3/4	1,346.08	3/4	1,064.98	3/4	783.87	3/4	504.00	3/4	229.05	3/4		3/4		3/4		3/4		3/4	
11	1,340.23	11	1,059.12	11	778.01	11	498.31	11	223.19	11		11		11		11		11	
1/4	1,334.37	1/4	1,053.26	1/4	772.16	1/4	492.65	1/4	217.34	1/4		1/4		1/4		1/4		1/4	
1/2	1,328.51	1/2	1,047.41	1/2	766.30	1/2	486.98	1/2	211.48	1/2		1/2		1/2		1/2		1/2	
3/4	1,322.66	3/4	1,041.55	3/4	760.44	3/4	481.31	3/4	205.62	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2020 CL
CALCULATED: 09/10/2020 CL
PRINTED: 09/10/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2020

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

BARGE "DBL 160"

3 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-09 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	3,354.23	0	3,108.81	0	2,863.40	0	2,617.99	0	2,372.57	0	2,127.16	0	1,881.74	0	1,636.33
1/4		1/4		1/4	3,349.12	1/4	3,103.70	1/4	2,858.29	1/4	2,612.87	1/4	2,367.46	1/4	2,122.04	1/4	1,876.63	1/4	1,631.22
1/2		1/2		1/2	3,344.00	1/2	3,098.59	1/2	2,853.17	1/2	2,607.76	1/2	2,362.35	1/2	2,116.93	1/2	1,871.52	1/2	1,626.10
3/4		3/4		3/4	3,338.89	3/4	3,093.48	3/4	2,848.06	3/4	2,602.65	3/4	2,357.23	3/4	2,111.82	3/4	1,866.40	3/4	1,620.99
1		1		1	3,333.78	1	3,088.36	1	2,842.95	1	2,597.53	1	2,352.12	1	2,106.71	1	1,861.29	1	1,615.88
1/4		1/4		1/4	3,328.67	1/4	3,083.25	1/4	2,837.84	1/4	2,592.42	1/4	2,347.01	1/4	2,101.59	1/4	1,856.18	1/4	1,610.76
1/2		1/2	3,538.24	1/2	3,323.55	1/2	3,078.14	1/2	2,832.72	1/2	2,587.31	1/2	2,341.89	1/2	2,096.48	1/2	1,851.07	1/2	1,605.65
3/4		3/4	3,537.39	3/4	3,318.44	3/4	3,073.03	3/4	2,827.61	3/4	2,582.20	3/4	2,336.78	3/4	2,091.37	3/4	1,845.95	3/4	1,600.54
2		2	3,536.53	2	3,313.33	2	3,067.91	2	2,822.50	2	2,577.08	2	2,331.67	2	2,086.25	2	1,840.84	2	1,595.43
1/4		1/4	3,535.68	1/4	3,308.21	1/4	3,062.80	1/4	2,817.39	1/4	2,571.97	1/4	2,326.56	1/4	2,081.14	1/4	1,835.73	1/4	1,590.31
1/2		1/2	3,534.83	1/2	3,303.10	1/2	3,057.69	1/2	2,812.27	1/2	2,566.86	1/2	2,321.44	1/2	2,076.03	1/2	1,830.61	1/2	1,585.20
3/4		3/4	3,532.27	3/4	3,297.99	3/4	3,052.57	3/4	2,807.16	3/4	2,561.75	3/4	2,316.33	3/4	2,070.92	3/4	1,825.50	3/4	1,580.09
3		3	3,529.72	3	3,292.88	3	3,047.46	3	2,802.05	3	2,556.63	3	2,311.22	3	2,065.80	3	1,820.39	3	1,574.97
1/4		1/4	3,527.16	1/4	3,287.76	1/4	3,042.35	1/4	2,796.93	1/4	2,551.52	1/4	2,306.11	1/4	2,060.69	1/4	1,815.28	1/4	1,569.86
1/2		1/2	3,524.60	1/2	3,282.65	1/2	3,037.24	1/2	2,791.82	1/2	2,546.41	1/2	2,300.99	1/2	2,055.58	1/2	1,810.16	1/2	1,564.75
3/4		3/4	3,520.34	3/4	3,277.54	3/4	3,032.12	3/4	2,786.71	3/4	2,541.29	3/4	2,295.88	3/4	2,050.47	3/4	1,805.05	3/4	1,559.64
4		4	3,516.08	4	3,272.42	4	3,027.01	4	2,781.60	4	2,536.18	4	2,290.77	4	2,045.35	4	1,799.94	4	1,554.52
1/4		1/4	3,511.82	1/4	3,267.31	1/4	3,021.90	1/4	2,776.48	1/4	2,531.07	1/4	2,285.65	1/4	2,040.24	1/4	1,794.83	1/4	1,549.41
1/2		1/2	3,507.56	1/2	3,262.20	1/2	3,016.78	1/2	2,771.37	1/2	2,525.96	1/2	2,280.54	1/2	2,035.13	1/2	1,789.71	1/2	1,544.30
3/4		3/4	3,502.46	3/4	3,257.09	3/4	3,011.67	3/4	2,766.26	3/4	2,520.84	3/4	2,275.43	3/4	2,030.01	3/4	1,784.60	3/4	1,539.19
5		5	3,497.36	5	3,251.97	5	3,006.56	5	2,761.14	5	2,515.73	5	2,270.32	5	2,024.90	5	1,779.49	5	1,534.07
1/4		1/4	3,492.26	1/4	3,246.86	1/4	3,001.45	1/4	2,756.03	1/4	2,510.62	1/4	2,265.20	1/4	2,019.79	1/4	1,774.37	1/4	1,528.96
1/2		1/2	3,487.16	1/2	3,241.75	1/2	2,996.33	1/2	2,750.92	1/2	2,505.50	1/2	2,260.09	1/2	2,014.68	1/2	1,769.26	1/2	1,523.85
3/4		3/4	3,482.05	3/4	3,236.63	3/4	2,991.22	3/4	2,745.81	3/4	2,500.39	3/4	2,254.98	3/4	2,009.56	3/4	1,764.15	3/4	1,518.73
6		6	3,476.94	6	3,231.52	6	2,986.11	6	2,740.69	6	2,495.28	6	2,249.86	6	2,004.45	6	1,759.04	6	1,513.62
1/4		1/4	3,471.82	1/4	3,226.41	1/4	2,980.99	1/4	2,735.58	1/4	2,490.17	1/4	2,244.75	1/4	1,999.34	1/4	1,753.92	1/4	1,508.51
1/2		1/2	3,466.71	1/2	3,221.30	1/2	2,975.88	1/2	2,730.47	1/2	2,485.05	1/2	2,239.64	1/2	1,994.22	1/2	1,748.81	1/2	1,503.40
3/4		3/4	3,461.60	3/4	3,216.18	3/4	2,970.77	3/4	2,725.35	3/4	2,479.94	3/4	2,234.53	3/4	1,989.11	3/4	1,743.70	3/4	1,498.28
7		7	3,456.49	7	3,211.07	7	2,965.66	7	2,720.24	7	2,474.83	7	2,229.41	7	1,984.00	7	1,738.58	7	1,493.17
1/4		1/4	3,451.37	1/4	3,205.96	1/4	2,960.54	1/4	2,715.13	1/4	2,469.71	1/4	2,224.30	1/4	1,978.89	1/4	1,733.47	1/4	1,488.06
1/2		1/2	3,446.26	1/2	3,200.85	1/2	2,955.43	1/2	2,710.02	1/2	2,464.60	1/2	2,219.19	1/2	1,973.77	1/2	1,728.36	1/2	1,482.94
3/4		3/4	3,441.15	3/4	3,195.73	3/4	2,950.32	3/4	2,704.90	3/4	2,459.49	3/4	2,214.07	3/4	1,968.66	3/4	1,723.25	3/4	1,477.83
8		8	3,436.03	8	3,190.62	8	2,945.21	8	2,699.79	8	2,454.38	8	2,208.96	8	1,963.55	8	1,718.13	8	1,472.72
1/4		1/4	3,430.92	1/4	3,185.51	1/4	2,940.09	1/4	2,694.68	1/4	2,449.26	1/4	2,203.85	1/4	1,958.43	1/4	1,713.02	1/4	1,467.61
1/2		1/2	3,425.81	1/2	3,180.39	1/2	2,934.98	1/2	2,689.57	1/2	2,444.15	1/2	2,198.74	1/2	1,953.32	1/2	1,707.91	1/2	1,462.49
3/4		3/4	3,420.70	3/4	3,175.28	3/4	2,929.87	3/4	2,684.45	3/4	2,439.04	3/4	2,193.62	3/4	1,948.21	3/4	1,702.79	3/4	1,457.38
9		9	3,415.58	9	3,170.17	9	2,924.75	9	2,679.34	9	2,433.93	9	2,188.51	9	1,943.10	9	1,697.68	9	1,452.27
1/4		1/4	3,410.47	1/4	3,165.06	1/4	2,919.64	1/4	2,674.23	1/4	2,428.81	1/4	2,183.40	1/4	1,937.98	1/4	1,692.57	1/4	1,447.15
1/2		1/2	3,405.36	1/2	3,159.94	1/2	2,914.53	1/2	2,669.11	1/2	2,423.70	1/2	2,178.29	1/2	1,932.87	1/2	1,687.46	1/2	1,442.04
3/4		3/4	3,400.24	3/4	3,154.83	3/4	2,909.42	3/4	2,664.00	3/4	2,418.59	3/4	2,173.17	3/4	1,927.76	3/4	1,682.34	3/4	1,436.93
10		10	3,395.13	10	3,149.72	10	2,904.30	10	2,658.89	10	2,413.47	10	2,168.06	10	1,922.65	10	1,677.23	10	1,431.82
1/4		1/4	3,390.02	1/4	3,144.60	1/4	2,899.19	1/4	2,653.78	1/4	2,408.36	1/4	2,162.95	1/4	1,917.53	1/4	1,672.12	1/4	1,426.70
1/2		1/2	3,384.91	1/2	3,139.49	1/2	2,894.08	1/2	2,648.66	1/2	2,403.25	1/2	2,157.83	1/2	1,912.42	1/2	1,667.01	1/2	1,421.59
3/4		3/4	3,379.79	3/4	3,134.38	3/4	2,888.96	3/4	2,643.55	3/4	2,398.14	3/4	2,152.72	3/4	1,907.31	3/4	1,661.89	3/4	1,416.48
11		11	3,374.68	11	3,129.27	11	2,883.85	11	2,638.44	11	2,393.02	11	2,147.61	11	1,902.19	11	1,656.78	11	1,411.37
1/4		1/4	3,369.57	1/4	3,124.15	1/4	2,878.74	1/4	2,633.32	1/4	2,387.91	1/4	2,142.50	1/4	1,897.08	1/4	1,651.67	1/4	1,406.25
1/2		1/2	3,364.45	1/2	3,119.04	1/2	2,873.63	1/2	2,628.21	1/2	2,382.80	1/2	2,137.38	1/2	1,891.97	1/2	1,646.55	1/2	1,401.14
3/4		3/4	3,359.34	3/4	3,113.93	3/4	2,868.51	3/4	2,623.10	3/4	2,377.68	3/4	2,132.27	3/4	1,886.86	3/4	1,641.44	3/4	1,396.03

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 TO TOP OF 2" DIAMETER "MMC" VALVE.
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 25'-06" FORWARD OF AFT BULKHEAD.

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

BARGE "DBL 160"

3 CENTER

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-09 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	1,390.91	0	1,145.50	0	900.09	0	654.67	0	409.39	0	164.30	0		0		0		0	
1/4	1,385.80	1/4	1,140.39	1/4	894.97	1/4	649.56	1/4	404.29	1/4	159.18	1/4		1/4		1/4		1/4	
1/2	1,380.69	1/2	1,135.27	1/2	889.86	1/2	644.45	1/2	399.19	1/2	154.07	1/2		1/2		1/2		1/2	
3/4	1,375.58	3/4	1,130.16	3/4	884.75	3/4	639.33	3/4	394.09	3/4	148.96	3/4		3/4		3/4		3/4	
1	1,370.46	1	1,125.05	1	879.63	1	634.22	1	388.99	1	143.84	1		1		1		1	
1/4	1,365.35	1/4	1,119.94	1/4	874.52	1/4	629.11	1/4	383.88	1/4	138.73	1/4		1/4		1/4		1/4	
1/2	1,360.24	1/2	1,114.82	1/2	869.41	1/2	623.99	1/2	378.78	1/2	133.62	1/2		1/2		1/2		1/2	
3/4	1,355.12	3/4	1,109.71	3/4	864.30	3/4	618.88	3/4	373.68	3/4	128.51	3/4		3/4		3/4		3/4	
2	1,350.01	2	1,104.60	2	859.18	2	613.77	2	368.58	2	123.39	2		2		2		2	
1/4	1,344.90	1/4	1,099.48	1/4	854.07	1/4	608.66	1/4	363.48	1/4	118.28	1/4		1/4		1/4		1/4	
1/2	1,339.79	1/2	1,094.37	1/2	848.96	1/2	603.54	1/2	358.38	1/2	113.17	1/2		1/2		1/2		1/2	
3/4	1,334.67	3/4	1,089.26	3/4	843.84	3/4	598.43	3/4	353.28	3/4	108.06	3/4		3/4		3/4		3/4	
3	1,329.56	3	1,084.15	3	838.73	3	593.32	3	348.18	3	102.94	3		3		3		3	
1/4	1,324.45	1/4	1,079.03	1/4	833.62	1/4	588.20	1/4	343.08	1/4	97.83	1/4		1/4		1/4		1/4	
1/2	1,319.33	1/2	1,073.92	1/2	828.51	1/2	583.09	1/2	337.98	1/2	92.72	1/2		1/2		1/2		1/2	
3/4	1,314.22	3/4	1,068.81	3/4	823.39	3/4	577.98	3/4	332.88	3/4	87.61	3/4		3/4		3/4		3/4	
4	1,309.11	4	1,063.69	4	818.28	4	572.87	4	327.78	4	82.50	4		4		4		4	
1/4	1,304.00	1/4	1,058.58	1/4	813.17	1/4	567.75	1/4	322.68	1/4	77.39	1/4		1/4		1/4		1/4	
1/2	1,298.88	1/2	1,053.47	1/2	808.05	1/2	562.64	1/2	317.58	1/2	72.27	1/2		1/2		1/2		1/2	
3/4	1,293.77	3/4	1,048.36	3/4	802.94	3/4	557.53	3/4	312.48	3/4	67.17	3/4		3/4		3/4		3/4	
5	1,288.66	5	1,043.24	5	797.83	5	552.41	5	307.38	5	62.08	5		5		5		5	
1/4	1,283.55	1/4	1,038.13	1/4	792.72	1/4	547.30	1/4	302.28	1/4	56.98	1/4		1/4		1/4		1/4	
1/2	1,278.43	1/2	1,033.02	1/2	787.60	1/2	542.19	1/2	297.17	1/2	51.88	1/2		1/2		1/2		1/2	
3/4	1,273.32	3/4	1,027.91	3/4	782.49	3/4	537.08	3/4	292.07	3/4	46.81	3/4		3/4		3/4		3/4	
6	1,268.21	6	1,022.79	6	777.38	6	531.96	6	286.97	6	41.74	6		6		6		6	
1/4	1,263.09	1/4	1,017.68	1/4	772.27	1/4	526.85	1/4	281.87	1/4	36.67	1/4		1/4		1/4		1/4	
1/2	1,257.98	1/2	1,012.57	1/2	767.15	1/2	521.74	1/2	276.77	1/2	31.60	1/2		1/2		1/2		1/2	
3/4	1,252.87	3/4	1,007.45	3/4	762.04	3/4	516.63	3/4	271.66	3/4	27.34	3/4		3/4		3/4		3/4	
7	1,247.76	7	1,002.34	7	756.93	7	511.51	7	266.55	7	23.09	7		7		7		7	
1/4	1,242.64	1/4	997.23	1/4	751.81	1/4	506.40	1/4	261.43	1/4	18.83	1/4		1/4		1/4		1/4	
1/2	1,237.53	1/2	992.12	1/2	746.70	1/2	501.29	1/2	256.32	1/2	14.57	1/2		1/2		1/2		1/2	
3/4	1,232.42	3/4	987.00	3/4	741.59	3/4	496.17	3/4	251.21	3/4	12.01	3/4		3/4		3/4		3/4	
8	1,227.30	8	981.89	8	736.48	8	491.06	8	246.10	8	9.46	8		8		8		8	
1/4	1,222.19	1/4	976.78	1/4	731.36	1/4	485.95	1/4	240.98	1/4	6.90	1/4		1/4		1/4		1/4	
1/2	1,217.08	1/2	971.66	1/2	726.25	1/2	480.84	1/2	235.87	1/2	4.34	1/2		1/2		1/2		1/2	
3/4	1,211.97	3/4	966.55	3/4	721.14	3/4	475.73	3/4	230.76	3/4	3.49	3/4		3/4		3/4		3/4	
9	1,206.85	9	961.44	9	716.02	9	470.62	9	225.65	9	2.64	9		9		9		9	
1/4	1,201.74	1/4	956.33	1/4	710.91	1/4	465.52	1/4	220.53	1/4	1.79	1/4		1/4		1/4		1/4	
1/2	1,196.63	1/2	951.21	1/2	705.80	1/2	460.41	1/2	215.42	1/2	0.94	1/2		1/2		1/2		1/2	
3/4	1,191.51	3/4	946.10	3/4	700.69	3/4	455.31	3/4	210.31	3/4		3/4		3/4		3/4		3/4	
10	1,186.40	10	940.99	10	695.57	10	450.20	10	205.20	10		10		10		10		10	
1/4	1,181.29	1/4	935.87	1/4	690.46	1/4	445.10	1/4	200.08	1/4		1/4		1/4		1/4		1/4	
1/2	1,176.18	1/2	930.76	1/2	685.35	1/2	439.99	1/2	194.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,171.06	3/4	925.65	3/4	680.23	3/4	434.89	3/4	189.86	3/4		3/4		3/4		3/4		3/4	
11	1,165.95	11	920.54	11	675.12	11	429.79	11	184.75	11		11		11		11		11	
1/4	1,160.84	1/4	915.42	1/4	670.01	1/4	424.69	1/4	179.63	1/4		1/4		1/4		1/4		1/4	
1/2	1,155.73	1/2	910.31	1/2	664.90	1/2	419.59	1/2	174.52	1/2		1/2		1/2		1/2		1/2	
3/4	1,150.61	3/4	905.20	3/4	659.78	3/4	414.49	3/4	169.41	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/10/2020 CL
CALCULATED: 09/10/2020 CL
PRINTED: 09/10/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2020

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