



# BARGE "NGL 3012"

INNAGE (HERMETIC)

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 7'-00"  
 DIFF. = 5'-00" (DOWN BY STERN)

THE CORRECTION FOR 5'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 237'-00"

May 11, 2016

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

<http://www.pmacorp.net>



# BARGE "NGL 3012"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	21.97	0	347.17	0	709.30	0	1,075.64	0	1,441.97	0	1,808.31	0	2,174.64	0	2,540.98	0	2,907.32	0	3,273.65
1/4	27.15	1/4	354.49	1/4	716.93	1/4	1,083.27	1/4	1,449.60	1/4	1,815.94	1/4	2,182.27	1/4	2,548.61	1/4	2,914.95	1/4	3,281.28
1/2	32.32	1/2	361.81	1/2	724.57	1/2	1,090.90	1/2	1,457.24	1/2	1,823.58	1/2	2,189.91	1/2	2,556.25	1/2	2,922.58	1/2	3,288.92
3/4	37.50	3/4	369.13	3/4	732.20	3/4	1,098.53	3/4	1,464.87	3/4	1,831.21	3/4	2,197.54	3/4	2,563.88	3/4	2,930.21	3/4	3,296.55
1	42.67	1	376.45	1	739.83	1	1,106.16	1	1,472.50	1	1,838.84	1	2,205.17	1	2,571.51	1	2,937.84	1	3,304.18
1/4	49.17	1/4	383.80	1/4	747.46	1/4	1,113.79	1/4	1,480.13	1/4	1,846.47	1/4	2,212.80	1/4	2,579.14	1/4	2,945.47	1/4	3,311.81
1/2	55.66	1/2	391.16	1/2	755.10	1/2	1,121.43	1/2	1,487.77	1/2	1,854.10	1/2	2,220.44	1/2	2,586.78	1/2	2,953.11	1/2	3,319.45
3/4	62.16	3/4	398.51	3/4	762.73	3/4	1,129.06	3/4	1,495.40	3/4	1,861.73	3/4	2,228.07	3/4	2,594.41	3/4	2,960.74	3/4	3,327.08
2	68.65	2	405.86	2	770.36	2	1,136.69	2	1,503.03	2	1,869.36	2	2,235.70	2	2,602.04	2	2,968.37	2	3,334.71
1/4	75.35	1/4	413.30	1/4	777.99	1/4	1,144.32	1/4	1,510.66	1/4	1,876.99	1/4	2,243.33	1/4	2,609.67	1/4	2,976.00	1/4	3,342.34
1/2	82.05	1/2	420.75	1/2	785.61	1/2	1,151.96	1/2	1,518.30	1/2	1,884.63	1/2	2,250.97	1/2	2,617.30	1/2	2,983.64	1/2	3,349.98
3/4	88.75	3/4	428.19	3/4	793.24	3/4	1,159.59	3/4	1,525.93	3/4	1,892.26	3/4	2,258.60	3/4	2,624.93	3/4	2,991.27	3/4	3,357.61
3	95.45	3	435.63	3	800.86	3	1,167.22	3	1,533.56	3	1,899.89	3	2,266.23	3	2,632.56	3	2,998.90	3	3,365.24
1/4	102.18	1/4	443.10	1/4	808.50	1/4	1,174.85	1/4	1,541.19	1/4	1,907.52	1/4	2,273.86	1/4	2,640.19	1/4	3,006.53	1/4	3,372.87
1/2	108.91	1/2	450.58	1/2	816.14	1/2	1,182.49	1/2	1,548.82	1/2	1,915.16	1/2	2,281.50	1/2	2,647.83	1/2	3,014.17	1/2	3,380.50
3/4	115.63	3/4	458.05	3/4	823.77	3/4	1,190.12	3/4	1,556.45	3/4	1,922.79	3/4	2,289.13	3/4	2,655.46	3/4	3,021.80	3/4	3,388.13
4	122.36	4	465.52	4	831.41	4	1,197.75	4	1,564.08	4	1,930.42	4	2,296.76	4	2,663.09	4	3,029.43	4	3,395.76
1/4	129.19	1/4	473.09	1/4	839.04	1/4	1,205.38	1/4	1,571.71	1/4	1,938.05	1/4	2,304.39	1/4	2,670.72	1/4	3,037.06	1/4	3,403.39
1/2	136.01	1/2	480.66	1/2	846.68	1/2	1,213.02	1/2	1,579.35	1/2	1,945.69	1/2	2,312.02	1/2	2,678.36	1/2	3,044.70	1/2	3,411.03
3/4	142.84	3/4	488.23	3/4	854.31	3/4	1,220.65	3/4	1,586.98	3/4	1,953.32	3/4	2,319.65	3/4	2,685.99	3/4	3,052.33	3/4	3,418.66
5	149.66	5	495.80	5	861.94	5	1,228.28	5	1,594.61	5	1,960.95	5	2,327.28	5	2,693.62	5	3,059.96	5	3,426.29
1/4	156.51	1/4	503.38	1/4	869.57	1/4	1,235.91	1/4	1,602.24	1/4	1,968.58	1/4	2,334.91	1/4	2,701.25	1/4	3,067.59	1/4	3,433.92
1/2	163.37	1/2	510.97	1/2	877.21	1/2	1,243.54	1/2	1,609.88	1/2	1,976.22	1/2	2,342.55	1/2	2,708.89	1/2	3,075.22	1/2	3,441.56
3/4	170.22	3/4	518.55	3/4	884.84	3/4	1,251.17	3/4	1,617.51	3/4	1,983.85	3/4	2,350.18	3/4	2,716.52	3/4	3,082.85	3/4	3,449.19
6	177.07	6	526.13	6	892.47	6	1,258.80	6	1,625.14	6	1,991.48	6	2,357.81	6	2,724.15	6	3,090.48	6	3,456.82
1/4	184.02	1/4	533.76	1/4	900.10	1/4	1,266.43	1/4	1,632.77	1/4	1,999.11	1/4	2,365.44	1/4	2,731.78	1/4	3,098.11	1/4	3,464.45
1/2	190.97	1/2	541.40	1/2	907.74	1/2	1,274.07	1/2	1,640.41	1/2	2,006.74	1/2	2,373.08	1/2	2,739.42	1/2	3,105.75	1/2	3,472.09
3/4	197.91	3/4	549.03	3/4	915.37	3/4	1,281.70	3/4	1,648.04	3/4	2,014.37	3/4	2,380.71	3/4	2,747.05	3/4	3,113.38	3/4	3,479.72
7	204.86	7	556.66	7	923.00	7	1,289.33	7	1,655.67	7	2,022.00	7	2,388.34	7	2,754.68	7	3,121.01	7	3,487.35
1/4	211.84	1/4	564.29	1/4	930.63	1/4	1,296.96	1/4	1,663.30	1/4	2,029.63	1/4	2,395.97	1/4	2,762.31	1/4	3,128.64	1/4	3,494.98
1/2	218.82	1/2	571.93	1/2	938.26	1/2	1,304.60	1/2	1,670.94	1/2	2,037.27	1/2	2,403.61	1/2	2,769.94	1/2	3,136.28	1/2	3,502.62
3/4	225.80	3/4	579.56	3/4	945.89	3/4	1,312.23	3/4	1,678.57	3/4	2,044.90	3/4	2,411.24	3/4	2,777.57	3/4	3,143.91	3/4	3,510.25
8	232.78	8	587.19	8	953.52	8	1,319.86	8	1,686.20	8	2,052.53	8	2,418.87	8	2,785.20	8	3,151.54	8	3,517.88
1/4	239.85	1/4	594.82	1/4	961.15	1/4	1,327.49	1/4	1,693.83	1/4	2,060.16	1/4	2,426.50	1/4	2,792.83	1/4	3,159.17	1/4	3,525.51
1/2	246.93	1/2	602.46	1/2	968.79	1/2	1,335.13	1/2	1,701.46	1/2	2,067.80	1/2	2,434.14	1/2	2,800.47	1/2	3,166.81	1/2	3,533.14
3/4	254.00	3/4	610.09	3/4	976.42	3/4	1,342.76	3/4	1,709.09	3/4	2,075.43	3/4	2,441.77	3/4	2,808.10	3/4	3,174.44	3/4	3,540.77
9	261.07	9	617.72	9	984.05	9	1,350.39	9	1,716.72	9	2,083.06	9	2,449.40	9	2,815.73	9	3,182.07	9	3,548.40
1/4	268.17	1/4	625.35	1/4	991.68	1/4	1,358.02	1/4	1,724.35	1/4	2,090.69	1/4	2,457.03	1/4	2,823.36	1/4	3,189.70	1/4	3,556.03
1/2	275.28	1/2	632.98	1/2	999.32	1/2	1,365.66	1/2	1,731.99	1/2	2,098.33	1/2	2,464.66	1/2	2,831.00	1/2	3,197.34	1/2	3,563.67
3/4	282.38	3/4	640.61	3/4	1,006.95	3/4	1,373.29	3/4	1,739.62	3/4	2,105.96	3/4	2,472.29	3/4	2,838.63	3/4	3,204.97	3/4	3,571.30
10	289.48	10	648.24	10	1,014.58	10	1,380.92	10	1,747.25	10	2,113.59	10	2,479.92	10	2,846.26	10	3,212.60	10	3,578.93
1/4	296.68	1/4	655.87	1/4	1,022.21	1/4	1,388.55	1/4	1,754.88	1/4	2,121.22	1/4	2,487.55	1/4	2,853.89	1/4	3,220.23	1/4	3,586.56
1/2	303.87	1/2	663.51	1/2	1,029.85	1/2	1,396.18	1/2	1,762.52	1/2	2,128.86	1/2	2,495.19	1/2	2,861.53	1/2	3,227.86	1/2	3,594.20
3/4	311.07	3/4	671.14	3/4	1,037.48	3/4	1,403.81	3/4	1,770.15	3/4	2,136.49	3/4	2,502.82	3/4	2,869.16	3/4	3,235.49	3/4	3,601.83
11	318.26	11	678.77	11	1,045.11	11	1,411.44	11	1,777.78	11	2,144.12	11	2,510.45	11	2,876.79	11	3,243.12	11	3,609.46
1/4	325.49	1/4	686.40	1/4	1,052.74	1/4	1,419.07	1/4	1,785.41	1/4	2,151.75	1/4	2,518.08	1/4	2,884.42	1/4	3,250.75	1/4	3,617.09
1/2	332.72	1/2	694.04	1/2	1,060.38	1/2	1,426.71	1/2	1,793.05	1/2	2,159.38	1/2	2,525.72	1/2	2,892.06	1/2	3,258.39	1/2	3,624.73
3/4	339.94	3/4	701.67	3/4	1,068.01	3/4	1,434.34	3/4	1,800.68	3/4	2,167.01	3/4	2,533.35	3/4	2,899.69	3/4	3,266.02	3/4	3,632.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3012"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03 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	3,639.99	0	4,006.32	0	4,372.66	0	4,739.00	0	5,104.77	0		0		0		0		0	
1/4	3,647.62	1/4	4,013.95	1/4	4,380.29	1/4	4,746.63	1/4	5,111.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,655.26	1/2	4,021.59	1/2	4,387.93	1/2	4,754.26	1/2	5,118.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,662.89	3/4	4,029.22	3/4	4,395.56	3/4	4,761.89	3/4	5,125.12	3/4		3/4		3/4		3/4		3/4	
1	3,670.52	1	4,036.85	1	4,403.19	1	4,769.52	1	5,131.90	1		1		1		1		1	
1/4	3,678.15	1/4	4,044.48	1/4	4,410.82	1/4	4,777.15	1/4	5,137.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,685.78	1/2	4,052.12	1/2	4,418.46	1/2	4,784.79	1/2	5,143.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,693.41	3/4	4,059.75	3/4	4,426.09	3/4	4,792.42	3/4	5,148.86	3/4		3/4		3/4		3/4		3/4	
2	3,701.04	2	4,067.38	2	4,433.72	2	4,800.05	2	5,154.51	2		2		2		2		2	
1/4	3,708.67	1/4	4,075.01	1/4	4,441.35	1/4	4,807.68	1/4	5,159.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,716.31	1/2	4,082.65	1/2	4,448.98	1/2	4,815.32	1/2	5,163.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,723.94	3/4	4,090.28	3/4	4,456.61	3/4	4,822.95	3/4	5,168.08	3/4		3/4		3/4		3/4		3/4	
3	3,731.57	3	4,097.91	3	4,464.24	3	4,830.58	3	5,172.60	3		3		3		3		3	
1/4	3,739.20	1/4	4,105.54	1/4	4,471.87	1/4	4,838.21	1/4	5,175.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,746.84	1/2	4,113.18	1/2	4,479.51	1/2	4,845.85	1/2	5,179.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,754.47	3/4	4,120.81	3/4	4,487.14	3/4	4,853.48	3/4	5,182.76	3/4		3/4		3/4		3/4		3/4	
4	3,762.10	4	4,128.44	4	4,494.77	4	4,861.11	4	5,186.15	4		4		4		4		4	
1/4	3,769.73	1/4	4,136.07	1/4	4,502.40	1/4	4,868.74	1/4	5,188.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,777.37	1/2	4,143.70	1/2	4,510.04	1/2	4,876.38	1/2	5,190.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,785.00	3/4	4,151.33	3/4	4,517.67	3/4	4,884.01	3/4	5,192.93	3/4		3/4		3/4		3/4		3/4	
5	3,792.63	5	4,158.96	5	4,525.30	5	4,891.64	5	5,195.19	5		5		5		5		5	
1/4	3,800.26	1/4	4,166.59	1/4	4,532.93	1/4	4,899.27	1/4	5,196.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,807.90	1/2	4,174.23	1/2	4,540.57	1/2	4,906.90	1/2	5,197.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,815.53	3/4	4,181.86	3/4	4,548.20	3/4	4,914.53	3/4	5,198.68	3/4		3/4		3/4		3/4		3/4	
6	3,823.16	6	4,189.49	6	4,555.83	6	4,922.16	6	5,199.84	6		6		6		6		6	
1/4	3,830.79	1/4	4,197.12	1/4	4,563.46	1/4	4,929.79	1/4	5,200.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,838.42	1/2	4,204.76	1/2	4,571.10	1/2	4,937.43	1/2	5,200.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,846.05	3/4	4,212.39	3/4	4,578.73	3/4	4,945.06	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,853.68	7	4,220.02	7	4,586.36	7	4,952.69	7		7		7		7		7		7	
1/4	3,861.31	1/4	4,227.65	1/4	4,593.99	1/4	4,960.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,868.95	1/2	4,235.29	1/2	4,601.62	1/2	4,967.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,876.58	3/4	4,242.92	3/4	4,609.25	3/4	4,975.59	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,884.21	8	4,250.55	8	4,616.88	8	4,983.22	8		8		8		8		8		8	
1/4	3,891.84	1/4	4,258.18	1/4	4,624.51	1/4	4,990.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,899.48	1/2	4,265.82	1/2	4,632.15	1/2	4,998.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,907.11	3/4	4,273.45	3/4	4,639.78	3/4	5,006.12	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,914.74	9	4,281.08	9	4,647.41	9	5,013.75	9		9		9		9		9		9	
1/4	3,922.37	1/4	4,288.71	1/4	4,655.04	1/4	5,021.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.01	1/2	4,296.34	1/2	4,662.68	1/2	5,029.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,937.64	3/4	4,303.97	3/4	4,670.31	3/4	5,036.65	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,945.27	10	4,311.60	10	4,677.94	10	5,044.28	10		10		10		10		10		10	
1/4	3,952.90	1/4	4,319.23	1/4	4,685.57	1/4	5,051.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,960.54	1/2	4,326.87	1/2	4,693.21	1/2	5,059.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,968.17	3/4	4,334.50	3/4	4,700.84	3/4	5,067.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,975.80	11	4,342.13	11	4,708.47	11	5,074.80	11		11		11		11		11		11	
1/4	3,983.43	1/4	4,349.76	1/4	4,716.10	1/4	5,082.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,991.06	1/2	4,357.40	1/2	4,723.74	1/2	5,089.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,998.69	3/4	4,365.03	3/4	4,731.37	3/4	5,097.28	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/15/1999  
DECK MEASUREMENTS: 05/11/2016 SW  
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3012"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-04 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	21.97	0	347.17	0	709.30	0	1,075.64	0	1,441.97	0	1,808.31	0	2,174.64	0	2,540.98	0	2,907.32	0	3,273.65
1/4	27.15	1/4	354.49	1/4	716.93	1/4	1,083.27	1/4	1,449.60	1/4	1,815.94	1/4	2,182.27	1/4	2,548.61	1/4	2,914.95	1/4	3,281.28
1/2	32.32	1/2	361.81	1/2	724.57	1/2	1,090.90	1/2	1,457.24	1/2	1,823.58	1/2	2,189.91	1/2	2,556.25	1/2	2,922.58	1/2	3,288.92
3/4	37.50	3/4	369.13	3/4	732.20	3/4	1,098.53	3/4	1,464.87	3/4	1,831.21	3/4	2,197.54	3/4	2,563.88	3/4	2,930.21	3/4	3,296.55
1	42.67	1	376.45	1	739.83	1	1,106.16	1	1,472.50	1	1,838.84	1	2,205.17	1	2,571.51	1	2,937.84	1	3,304.18
1/4	49.17	1/4	383.80	1/4	747.46	1/4	1,113.79	1/4	1,480.13	1/4	1,846.47	1/4	2,212.80	1/4	2,579.14	1/4	2,945.47	1/4	3,311.81
1/2	55.66	1/2	391.16	1/2	755.10	1/2	1,121.43	1/2	1,487.77	1/2	1,854.10	1/2	2,220.44	1/2	2,586.78	1/2	2,953.11	1/2	3,319.45
3/4	62.16	3/4	398.51	3/4	762.73	3/4	1,129.06	3/4	1,495.40	3/4	1,861.73	3/4	2,228.07	3/4	2,594.41	3/4	2,960.74	3/4	3,327.08
2	68.65	2	405.86	2	770.36	2	1,136.69	2	1,503.03	2	1,869.36	2	2,235.70	2	2,602.04	2	2,968.37	2	3,334.71
1/4	75.35	1/4	413.30	1/4	777.99	1/4	1,144.32	1/4	1,510.66	1/4	1,876.99	1/4	2,243.33	1/4	2,609.67	1/4	2,976.00	1/4	3,342.34
1/2	82.05	1/2	420.75	1/2	785.61	1/2	1,151.96	1/2	1,518.30	1/2	1,884.63	1/2	2,250.97	1/2	2,617.30	1/2	2,983.64	1/2	3,349.98
3/4	88.75	3/4	428.19	3/4	793.24	3/4	1,159.59	3/4	1,525.93	3/4	1,892.26	3/4	2,258.60	3/4	2,624.93	3/4	2,991.27	3/4	3,357.61
3	95.45	3	435.63	3	800.86	3	1,167.22	3	1,533.56	3	1,899.89	3	2,266.23	3	2,632.56	3	2,998.90	3	3,365.24
1/4	102.18	1/4	443.10	1/4	808.50	1/4	1,174.85	1/4	1,541.19	1/4	1,907.52	1/4	2,273.86	1/4	2,640.19	1/4	3,006.53	1/4	3,372.87
1/2	108.91	1/2	450.58	1/2	816.14	1/2	1,182.49	1/2	1,548.82	1/2	1,915.16	1/2	2,281.50	1/2	2,647.83	1/2	3,014.17	1/2	3,380.50
3/4	115.63	3/4	458.05	3/4	823.77	3/4	1,190.12	3/4	1,556.45	3/4	1,922.79	3/4	2,289.13	3/4	2,655.46	3/4	3,021.80	3/4	3,388.13
4	122.36	4	465.52	4	831.41	4	1,197.75	4	1,564.08	4	1,930.42	4	2,296.76	4	2,663.09	4	3,029.43	4	3,395.76
1/4	129.19	1/4	473.09	1/4	839.04	1/4	1,205.38	1/4	1,571.71	1/4	1,938.05	1/4	2,304.39	1/4	2,670.72	1/4	3,037.06	1/4	3,403.39
1/2	136.01	1/2	480.66	1/2	846.68	1/2	1,213.02	1/2	1,579.35	1/2	1,945.69	1/2	2,312.02	1/2	2,678.36	1/2	3,044.70	1/2	3,411.03
3/4	142.84	3/4	488.23	3/4	854.31	3/4	1,220.65	3/4	1,586.98	3/4	1,953.32	3/4	2,319.65	3/4	2,685.99	3/4	3,052.33	3/4	3,418.66
5	149.66	5	495.80	5	861.94	5	1,228.28	5	1,594.61	5	1,960.95	5	2,327.28	5	2,693.62	5	3,059.96	5	3,426.29
1/4	156.51	1/4	503.38	1/4	869.57	1/4	1,235.91	1/4	1,602.24	1/4	1,968.58	1/4	2,334.91	1/4	2,701.25	1/4	3,067.59	1/4	3,433.92
1/2	163.37	1/2	510.97	1/2	877.21	1/2	1,243.54	1/2	1,609.88	1/2	1,976.22	1/2	2,342.55	1/2	2,708.89	1/2	3,075.22	1/2	3,441.56
3/4	170.22	3/4	518.55	3/4	884.84	3/4	1,251.17	3/4	1,617.51	3/4	1,983.85	3/4	2,350.18	3/4	2,716.52	3/4	3,082.85	3/4	3,449.19
6	177.07	6	526.13	6	892.47	6	1,258.80	6	1,625.14	6	1,991.48	6	2,357.81	6	2,724.15	6	3,090.48	6	3,456.82
1/4	184.02	1/4	533.76	1/4	900.10	1/4	1,266.43	1/4	1,632.77	1/4	1,999.11	1/4	2,365.44	1/4	2,731.78	1/4	3,098.11	1/4	3,464.45
1/2	190.97	1/2	541.40	1/2	907.74	1/2	1,274.07	1/2	1,640.41	1/2	2,006.74	1/2	2,373.08	1/2	2,739.42	1/2	3,105.75	1/2	3,472.09
3/4	197.91	3/4	549.03	3/4	915.37	3/4	1,281.70	3/4	1,648.04	3/4	2,014.37	3/4	2,380.71	3/4	2,747.05	3/4	3,113.38	3/4	3,479.72
7	204.86	7	556.66	7	923.00	7	1,289.33	7	1,655.67	7	2,022.00	7	2,388.34	7	2,754.68	7	3,121.01	7	3,487.35
1/4	211.84	1/4	564.29	1/4	930.63	1/4	1,296.96	1/4	1,663.30	1/4	2,029.63	1/4	2,395.97	1/4	2,762.31	1/4	3,128.64	1/4	3,494.98
1/2	218.82	1/2	571.93	1/2	938.26	1/2	1,304.60	1/2	1,670.94	1/2	2,037.27	1/2	2,403.61	1/2	2,769.94	1/2	3,136.28	1/2	3,502.62
3/4	225.80	3/4	579.56	3/4	945.89	3/4	1,312.23	3/4	1,678.57	3/4	2,044.90	3/4	2,411.24	3/4	2,777.57	3/4	3,143.91	3/4	3,510.25
8	232.78	8	587.19	8	953.52	8	1,319.86	8	1,686.20	8	2,052.53	8	2,418.87	8	2,785.20	8	3,151.54	8	3,517.88
1/4	239.85	1/4	594.82	1/4	961.15	1/4	1,327.49	1/4	1,693.83	1/4	2,060.16	1/4	2,426.50	1/4	2,792.83	1/4	3,159.17	1/4	3,525.51
1/2	246.93	1/2	602.46	1/2	968.79	1/2	1,335.13	1/2	1,701.46	1/2	2,067.80	1/2	2,434.14	1/2	2,800.47	1/2	3,166.81	1/2	3,533.14
3/4	254.00	3/4	610.09	3/4	976.42	3/4	1,342.76	3/4	1,709.09	3/4	2,075.43	3/4	2,441.77	3/4	2,808.10	3/4	3,174.44	3/4	3,540.77
9	261.07	9	617.72	9	984.05	9	1,350.39	9	1,716.72	9	2,083.06	9	2,449.40	9	2,815.73	9	3,182.07	9	3,548.40
1/4	268.17	1/4	625.35	1/4	991.68	1/4	1,358.02	1/4	1,724.35	1/4	2,090.69	1/4	2,457.03	1/4	2,823.36	1/4	3,189.70	1/4	3,556.03
1/2	275.28	1/2	632.98	1/2	999.32	1/2	1,365.66	1/2	1,731.99	1/2	2,098.33	1/2	2,464.66	1/2	2,831.00	1/2	3,197.34	1/2	3,563.67
3/4	282.38	3/4	640.61	3/4	1,006.95	3/4	1,373.29	3/4	1,739.62	3/4	2,105.96	3/4	2,472.29	3/4	2,838.63	3/4	3,204.97	3/4	3,571.30
10	289.48	10	648.24	10	1,014.58	10	1,380.92	10	1,747.25	10	2,113.59	10	2,479.92	10	2,846.26	10	3,212.60	10	3,578.93
1/4	296.68	1/4	655.87	1/4	1,022.21	1/4	1,388.55	1/4	1,754.88	1/4	2,121.22	1/4	2,487.55	1/4	2,853.89	1/4	3,220.23	1/4	3,586.56
1/2	303.87	1/2	663.51	1/2	1,029.85	1/2	1,396.18	1/2	1,762.52	1/2	2,128.86	1/2	2,495.19	1/2	2,861.53	1/2	3,227.86	1/2	3,594.20
3/4	311.07	3/4	671.14	3/4	1,037.48	3/4	1,403.81	3/4	1,770.15	3/4	2,136.49	3/4	2,502.82	3/4	2,869.16	3/4	3,235.49	3/4	3,601.83
11	318.26	11	678.77	11	1,045.11	11	1,411.44	11	1,777.78	11	2,144.12	11	2,510.45	11	2,876.79	11	3,243.12	11	3,609.46
1/4	325.49	1/4	686.40	1/4	1,052.74	1/4	1,419.07	1/4	1,785.41	1/4	2,151.75	1/4	2,518.08	1/4	2,884.42	1/4	3,250.75	1/4	3,617.09
1/2	332.72	1/2	694.04	1/2	1,060.38	1/2	1,426.71	1/2	1,793.05	1/2	2,159.38	1/2	2,525.72	1/2	2,892.06	1/2	3,258.39	1/2	3,624.73
3/4	339.94	3/4	701.67	3/4	1,068.01	3/4	1,434.34	3/4	1,800.68	3/4	2,167.01	3/4	2,533.35	3/4	2,899.69	3/4	3,266.02	3/4	3,632.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3012"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-04 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	3,639.99	0	4,006.32	0	4,372.66	0	4,739.00	0	5,104.77	0		0		0		0		0	
1/4	3,647.62	1/4	4,013.95	1/4	4,380.29	1/4	4,746.63	1/4	5,111.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,655.26	1/2	4,021.59	1/2	4,387.93	1/2	4,754.26	1/2	5,118.34	1/2		1/2		1/2		1/2		1/2	
3/4	3,662.89	3/4	4,029.22	3/4	4,395.56	3/4	4,761.89	3/4	5,125.12	3/4		3/4		3/4		3/4		3/4	
1	3,670.52	1	4,036.85	1	4,403.19	1	4,769.52	1	5,131.90	1		1		1		1		1	
1/4	3,678.15	1/4	4,044.48	1/4	4,410.82	1/4	4,777.15	1/4	5,137.55	1/4		1/4		1/4		1/4		1/4	
1/2	3,685.78	1/2	4,052.12	1/2	4,418.46	1/2	4,784.79	1/2	5,143.21	1/2		1/2		1/2		1/2		1/2	
3/4	3,693.41	3/4	4,059.75	3/4	4,426.09	3/4	4,792.42	3/4	5,148.86	3/4		3/4		3/4		3/4		3/4	
2	3,701.04	2	4,067.38	2	4,433.72	2	4,800.05	2	5,154.51	2		2		2		2		2	
1/4	3,708.67	1/4	4,075.01	1/4	4,441.35	1/4	4,807.68	1/4	5,159.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,716.31	1/2	4,082.65	1/2	4,448.98	1/2	4,815.32	1/2	5,163.56	1/2		1/2		1/2		1/2		1/2	
3/4	3,723.94	3/4	4,090.28	3/4	4,456.61	3/4	4,822.95	3/4	5,168.08	3/4		3/4		3/4		3/4		3/4	
3	3,731.57	3	4,097.91	3	4,464.24	3	4,830.58	3	5,172.60	3		3		3		3		3	
1/4	3,739.20	1/4	4,105.54	1/4	4,471.87	1/4	4,838.21	1/4	5,175.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,746.84	1/2	4,113.18	1/2	4,479.51	1/2	4,845.85	1/2	5,179.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,754.47	3/4	4,120.81	3/4	4,487.14	3/4	4,853.48	3/4	5,182.76	3/4		3/4		3/4		3/4		3/4	
4	3,762.10	4	4,128.44	4	4,494.77	4	4,861.11	4	5,186.15	4		4		4		4		4	
1/4	3,769.73	1/4	4,136.07	1/4	4,502.40	1/4	4,868.74	1/4	5,188.41	1/4		1/4		1/4		1/4		1/4	
1/2	3,777.37	1/2	4,143.70	1/2	4,510.04	1/2	4,876.38	1/2	5,190.67	1/2		1/2		1/2		1/2		1/2	
3/4	3,785.00	3/4	4,151.33	3/4	4,517.67	3/4	4,884.01	3/4	5,192.93	3/4		3/4		3/4		3/4		3/4	
5	3,792.63	5	4,158.96	5	4,525.30	5	4,891.64	5	5,195.19	5		5		5		5		5	
1/4	3,800.26	1/4	4,166.59	1/4	4,532.93	1/4	4,899.27	1/4	5,196.35	1/4		1/4		1/4		1/4		1/4	
1/2	3,807.90	1/2	4,174.23	1/2	4,540.57	1/2	4,906.90	1/2	5,197.52	1/2		1/2		1/2		1/2		1/2	
3/4	3,815.53	3/4	4,181.86	3/4	4,548.20	3/4	4,914.53	3/4	5,198.68	3/4		3/4		3/4		3/4		3/4	
6	3,823.16	6	4,189.49	6	4,555.83	6	4,922.16	6	5,199.84	6		6		6		6		6	
1/4	3,830.79	1/4	4,197.12	1/4	4,563.46	1/4	4,929.79	1/4	5,200.26	1/4		1/4		1/4		1/4		1/4	
1/2	3,838.42	1/2	4,204.76	1/2	4,571.10	1/2	4,937.43	1/2	5,200.68	1/2		1/2		1/2		1/2		1/2	
3/4	3,846.05	3/4	4,212.39	3/4	4,578.73	3/4	4,945.06	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,853.68	7	4,220.02	7	4,586.36	7	4,952.69	7		7		7		7		7		7	
1/4	3,861.31	1/4	4,227.65	1/4	4,593.99	1/4	4,960.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,868.95	1/2	4,235.29	1/2	4,601.62	1/2	4,967.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,876.58	3/4	4,242.92	3/4	4,609.25	3/4	4,975.59	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,884.21	8	4,250.55	8	4,616.88	8	4,983.22	8		8		8		8		8		8	
1/4	3,891.84	1/4	4,258.18	1/4	4,624.51	1/4	4,990.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,899.48	1/2	4,265.82	1/2	4,632.15	1/2	4,998.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,907.11	3/4	4,273.45	3/4	4,639.78	3/4	5,006.12	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,914.74	9	4,281.08	9	4,647.41	9	5,013.75	9		9		9		9		9		9	
1/4	3,922.37	1/4	4,288.71	1/4	4,655.04	1/4	5,021.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,930.01	1/2	4,296.34	1/2	4,662.68	1/2	5,029.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,937.64	3/4	4,303.97	3/4	4,670.31	3/4	5,036.65	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,945.27	10	4,311.60	10	4,677.94	10	5,044.28	10		10		10		10		10		10	
1/4	3,952.90	1/4	4,319.23	1/4	4,685.57	1/4	5,051.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,960.54	1/2	4,326.87	1/2	4,693.21	1/2	5,059.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,968.17	3/4	4,334.50	3/4	4,700.84	3/4	5,067.17	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,975.80	11	4,342.13	11	4,708.47	11	5,074.80	11		11		11		11		11		11	
1/4	3,983.43	1/4	4,349.76	1/4	4,716.10	1/4	5,082.29	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,991.06	1/2	4,357.40	1/2	4,723.74	1/2	5,089.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,998.69	3/4	4,365.03	3/4	4,731.37	3/4	5,097.28	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/15/1999  
DECK MEASUREMENTS: 05/11/2016 SW  
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3012"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-04 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	16.35	0	360.86	0	694.59	0	1,038.32	0	1,382.04	0	1,725.99	0	2,069.50	0	2,413.23	0	2,756.96	0	3,100.68
1/4	21.46	1/4	365.52	1/4	701.75	1/4	1,045.48	1/4	1,389.20	1/4	1,733.10	1/4	2,076.66	1/4	2,420.39	1/4	2,764.12	1/4	3,107.84
1/2	26.58	1/2	370.18	1/2	708.91	1/2	1,052.64	1/2	1,396.37	1/2	1,740.21	1/2	2,083.82	1/2	2,427.55	1/2	2,771.28	1/2	3,115.00
3/4	31.69	3/4	374.84	3/4	716.07	3/4	1,059.80	3/4	1,403.53	3/4	1,747.31	3/4	2,090.98	3/4	2,434.71	3/4	2,778.44	3/4	3,122.17
1	36.80	1	379.50	1	723.23	1	1,066.96	1	1,410.69	1	1,754.42	1	2,098.14	1	2,441.87	1	2,785.60	1	3,129.33
1/4	43.71	1/4	386.66	1/4	730.39	1/4	1,074.12	1/4	1,417.85	1/4	1,761.58	1/4	2,105.30	1/4	2,449.03	1/4	2,792.76	1/4	3,136.49
1/2	50.61	1/2	393.83	1/2	737.56	1/2	1,081.28	1/2	1,425.01	1/2	1,768.74	1/2	2,112.47	1/2	2,456.19	1/2	2,799.92	1/2	3,143.65
3/4	57.52	3/4	400.99	3/4	744.72	3/4	1,088.44	3/4	1,432.17	3/4	1,775.90	3/4	2,119.63	3/4	2,463.36	3/4	2,807.08	3/4	3,150.81
2	64.42	2	408.15	2	751.88	2	1,095.60	2	1,439.33	2	1,783.06	2	2,126.79	2	2,470.52	2	2,814.24	2	3,157.97
1/4	71.58	1/4	415.31	1/4	759.04	1/4	1,102.76	1/4	1,446.49	1/4	1,790.22	1/4	2,133.95	1/4	2,477.68	1/4	2,821.40	1/4	3,165.13
1/2	78.74	1/2	422.47	1/2	766.20	1/2	1,109.93	1/2	1,453.66	1/2	1,797.38	1/2	2,141.11	1/2	2,484.84	1/2	2,828.56	1/2	3,172.29
3/4	85.90	3/4	429.63	3/4	773.36	3/4	1,117.09	3/4	1,460.82	3/4	1,804.54	3/4	2,148.27	3/4	2,492.00	3/4	2,835.73	3/4	3,179.46
3	93.06	3	436.79	3	780.52	3	1,124.25	3	1,467.98	3	1,811.70	3	2,155.43	3	2,499.16	3	2,842.89	3	3,186.62
1/4	100.22	1/4	443.95	1/4	787.68	1/4	1,131.41	1/4	1,475.14	1/4	1,818.86	1/4	2,162.59	1/4	2,506.32	1/4	2,850.05	1/4	3,193.78
1/2	107.39	1/2	451.12	1/2	794.84	1/2	1,138.57	1/2	1,482.30	1/2	1,826.03	1/2	2,169.76	1/2	2,513.48	1/2	2,857.21	1/2	3,200.94
3/4	114.55	3/4	458.28	3/4	802.00	3/4	1,145.73	3/4	1,489.46	3/4	1,833.19	3/4	2,176.92	3/4	2,520.64	3/4	2,864.37	3/4	3,208.10
4	121.71	4	465.44	4	809.16	4	1,152.89	4	1,496.62	4	1,840.35	4	2,184.08	4	2,527.80	4	2,871.53	4	3,215.26
1/4	128.87	1/4	472.60	1/4	816.32	1/4	1,160.05	1/4	1,503.78	1/4	1,847.51	1/4	2,191.24	1/4	2,534.96	1/4	2,878.69	1/4	3,222.42
1/2	136.03	1/2	479.76	1/2	823.49	1/2	1,167.22	1/2	1,510.94	1/2	1,854.67	1/2	2,198.40	1/2	2,542.12	1/2	2,885.85	1/2	3,229.58
3/4	143.19	3/4	486.92	3/4	830.65	3/4	1,174.38	3/4	1,518.10	3/4	1,861.83	3/4	2,205.56	3/4	2,549.29	3/4	2,893.02	3/4	3,236.74
5	150.35	5	494.08	5	837.81	5	1,181.54	5	1,525.26	5	1,868.99	5	2,212.72	5	2,556.45	5	2,900.18	5	3,243.90
1/4	157.51	1/4	501.24	1/4	844.97	1/4	1,188.70	1/4	1,532.42	1/4	1,876.15	1/4	2,219.88	1/4	2,563.61	1/4	2,907.34	1/4	3,251.06
1/2	164.68	1/2	508.40	1/2	852.13	1/2	1,195.86	1/2	1,539.59	1/2	1,883.32	1/2	2,227.04	1/2	2,570.77	1/2	2,914.50	1/2	3,258.22
3/4	171.84	3/4	515.56	3/4	859.29	3/4	1,203.02	3/4	1,546.75	3/4	1,890.48	3/4	2,234.20	3/4	2,577.93	3/4	2,921.66	3/4	3,265.39
6	179.00	6	522.72	6	866.45	6	1,210.18	6	1,553.91	6	1,897.64	6	2,241.36	6	2,585.09	6	2,928.82	6	3,272.55
1/4	186.16	1/4	529.88	1/4	873.61	1/4	1,217.34	1/4	1,561.07	1/4	1,904.80	1/4	2,248.52	1/4	2,592.25	1/4	2,935.98	1/4	3,279.71
1/2	193.32	1/2	537.05	1/2	880.78	1/2	1,224.50	1/2	1,568.23	1/2	1,911.96	1/2	2,255.69	1/2	2,599.41	1/2	2,943.14	1/2	3,286.87
3/4	200.48	3/4	544.21	3/4	887.94	3/4	1,231.66	3/4	1,575.39	3/4	1,919.12	3/4	2,262.85	3/4	2,606.58	3/4	2,950.30	3/4	3,294.03
7	207.64	7	551.37	7	895.10	7	1,238.82	7	1,582.55	7	1,926.28	7	2,270.01	7	2,613.74	7	2,957.46	7	3,301.19
1/4	214.80	1/4	558.53	1/4	902.26	1/4	1,245.98	1/4	1,589.71	1/4	1,933.44	1/4	2,277.17	1/4	2,620.90	1/4	2,964.62	1/4	3,308.35
1/2	221.96	1/2	565.69	1/2	909.42	1/2	1,253.15	1/2	1,596.88	1/2	1,940.60	1/2	2,284.33	1/2	2,628.06	1/2	2,971.78	1/2	3,315.51
3/4	229.12	3/4	572.85	3/4	916.58	3/4	1,260.31	3/4	1,604.04	3/4	1,947.76	3/4	2,291.49	3/4	2,635.22	3/4	2,978.95	3/4	3,322.68
8	236.28	8	580.01	8	923.74	8	1,267.47	8	1,611.20	8	1,954.92	8	2,298.65	8	2,642.38	8	2,986.11	8	3,329.84
1/4	243.44	1/4	587.17	1/4	930.90	1/4	1,274.63	1/4	1,618.36	1/4	1,962.08	1/4	2,305.81	1/4	2,649.54	1/4	2,993.27	1/4	3,337.00
1/2	250.61	1/2	594.34	1/2	938.06	1/2	1,281.79	1/2	1,625.52	1/2	1,969.25	1/2	2,312.98	1/2	2,656.70	1/2	2,999.43	1/2	3,344.16
3/4	257.77	3/4	601.50	3/4	945.22	3/4	1,288.95	3/4	1,632.68	3/4	1,976.41	3/4	2,320.14	3/4	2,663.86	3/4	3,007.59	3/4	3,351.32
9	264.93	9	608.66	9	952.38	9	1,296.11	9	1,639.84	9	1,983.57	9	2,327.30	9	2,671.02	9	3,014.75	9	3,358.48
1/4	272.09	1/4	615.82	1/4	959.54	1/4	1,303.27	1/4	1,647.00	1/4	1,990.73	1/4	2,334.46	1/4	2,678.18	1/4	3,021.91	1/4	3,365.64
1/2	279.25	1/2	622.98	1/2	966.71	1/2	1,310.44	1/2	1,654.16	1/2	1,997.89	1/2	2,341.62	1/2	2,685.34	1/2	3,029.07	1/2	3,372.80
3/4	286.41	3/4	630.14	3/4	973.87	3/4	1,317.60	3/4	1,661.32	3/4	2,005.05	3/4	2,348.78	3/4	2,692.51	3/4	3,036.24	3/4	3,379.96
10	293.57	10	637.30	10	981.03	10	1,324.76	10	1,668.48	10	2,012.21	10	2,355.94	10	2,699.67	10	3,043.40	10	3,387.12
1/4	300.73	1/4	644.46	1/4	988.19	1/4	1,331.92	1/4	1,675.64	1/4	2,019.37	1/4	2,363.10	1/4	2,706.83	1/4	3,050.56	1/4	3,394.28
1/2	307.90	1/2	651.62	1/2	995.35	1/2	1,339.08	1/2	1,682.81	1/2	2,026.54	1/2	2,370.26	1/2	2,713.99	1/2	3,057.72	1/2	3,401.44
3/4	315.06	3/4	658.78	3/4	1,002.51	3/4	1,346.24	3/4	1,689.97	3/4	2,033.70	3/4	2,377.42	3/4	2,721.15	3/4	3,064.88	3/4	3,408.61
11	322.22	11	665.94	11	1,009.67	11	1,353.40	11	1,697.13	11	2,040.86	11	2,384.58	11	2,728.31	11	3,072.04	11	3,415.77
1/4	331.88	1/4	673.10	1/4	1,016.83	1/4	1,360.56	1/4	1,704.35	1/4	2,048.02	1/4	2,391.74	1/4	2,735.47	1/4	3,079.20	1/4	3,422.93
1/2	341.54	1/2	680.27	1/2	1,024.00	1/2	1,367.72	1/2	1,711.56	1/2	2,055.18	1/2	2,398.91	1/2	2,742.63	1/2	3,086.36	1/2	3,430.09
3/4	351.20	3/4	687.43	3/4	1,031.16	3/4	1,374.88	3/4	1,718.78	3/4	2,062.34	3/4	2,406.07	3/4	2,749.80	3/4	3,093.52	3/4	3,437.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3012"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-04 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	3,444.41	0	3,788.14	0	4,131.87	0	4,475.60	0	4,817.02	0		0		0		0		0	
1/4	3,451.57	1/4	3,795.30	1/4	4,139.03	1/4	4,482.73	1/4	4,823.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,458.73	1/2	3,802.46	1/2	4,146.19	1/2	4,489.87	1/2	4,830.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,465.90	3/4	3,809.62	3/4	4,153.35	3/4	4,497.00	3/4	4,836.76	3/4		3/4		3/4		3/4		3/4	
1	3,473.06	1	3,816.78	1	4,160.51	1	4,504.14	1	4,843.34	1		1		1		1		1	
1/4	3,480.22	1/4	3,823.94	1/4	4,167.67	1/4	4,511.25	1/4	4,848.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,487.38	1/2	3,831.10	1/2	4,174.83	1/2	4,518.36	1/2	4,854.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,494.54	3/4	3,838.27	3/4	4,182.00	3/4	4,525.47	3/4	4,860.05	3/4		3/4		3/4		3/4		3/4	
2	3,501.70	2	3,845.43	2	4,189.16	2	4,532.58	2	4,865.62	2		2		2		2		2	
1/4	3,508.86	1/4	3,852.59	1/4	4,196.32	1/4	4,539.69	1/4	4,870.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,516.02	1/2	3,859.75	1/2	4,203.48	1/2	4,546.80	1/2	4,874.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,523.18	3/4	3,866.91	3/4	4,210.64	3/4	4,553.92	3/4	4,879.13	3/4		3/4		3/4		3/4		3/4	
3	3,530.34	3	3,874.07	3	4,217.80	3	4,561.03	3	4,883.64	3		3		3		3		3	
1/4	3,537.50	1/4	3,881.23	1/4	4,224.96	1/4	4,568.14	1/4	4,887.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,544.66	1/2	3,888.39	1/2	4,232.12	1/2	4,575.25	1/2	4,890.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.83	3/4	3,895.56	3/4	4,239.28	3/4	4,582.36	3/4	4,893.97	3/4		3/4		3/4		3/4		3/4	
4	3,558.99	4	3,902.72	4	4,246.44	4	4,589.47	4	4,897.42	4		4		4		4		4	
1/4	3,566.15	1/4	3,909.88	1/4	4,253.60	1/4	4,596.58	1/4	4,899.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.31	1/2	3,917.04	1/2	4,260.76	1/2	4,603.69	1/2	4,902.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.47	3/4	3,924.20	3/4	4,267.93	3/4	4,610.81	3/4	4,904.57	3/4		3/4		3/4		3/4		3/4	
5	3,587.63	5	3,931.36	5	4,275.09	5	4,617.92	5	4,906.96	5		5		5		5		5	
1/4	3,594.79	1/4	3,938.52	1/4	4,282.25	1/4	4,625.03	1/4	4,908.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,601.95	1/2	3,945.68	1/2	4,289.41	1/2	4,632.14	1/2	4,909.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,609.12	3/4	3,952.84	3/4	4,296.57	3/4	4,639.25	3/4	4,910.93	3/4		3/4		3/4		3/4		3/4	
6	3,616.28	6	3,960.00	6	4,303.73	6	4,646.36	6	4,912.25	6		6		6		6		6	
1/4	3,623.44	1/4	3,967.16	1/4	4,310.89	1/4	4,653.47	1/4	4,912.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.60	1/2	3,974.32	1/2	4,318.05	1/2	4,660.58	1/2	4,913.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,637.76	3/4	3,981.49	3/4	4,325.22	3/4	4,667.69	3/4	4,913.43	3/4		3/4		3/4		3/4		3/4	
7	3,644.92	7	3,988.65	7	4,332.38	7	4,674.80	7		7		7		7		7		7	
1/4	3,652.08	1/4	3,995.81	1/4	4,339.54	1/4	4,681.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,659.24	1/2	4,002.97	1/2	4,346.70	1/2	4,689.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,666.40	3/4	4,010.13	3/4	4,353.86	3/4	4,696.14	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,673.56	8	4,017.29	8	4,361.02	8	4,703.25	8		8		8		8		8		8	
1/4	3,680.72	1/4	4,024.45	1/4	4,368.18	1/4	4,710.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,687.88	1/2	4,031.61	1/2	4,375.34	1/2	4,717.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.05	3/4	4,038.78	3/4	4,382.50	3/4	4,724.58	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,702.21	9	4,045.94	9	4,389.66	9	4,731.69	9		9		9		9		9		9	
1/4	3,709.37	1/4	4,053.10	1/4	4,396.82	1/4	4,738.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,716.53	1/2	4,060.26	1/2	4,403.98	1/2	4,745.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.69	3/4	4,067.42	3/4	4,411.15	3/4	4,753.03	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,730.85	10	4,074.58	10	4,418.31	10	4,760.14	10		10		10		10		10		10	
1/4	3,738.01	1/4	4,081.74	1/4	4,425.47	1/4	4,767.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.17	1/2	4,088.90	1/2	4,432.63	1/2	4,774.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.34	3/4	4,096.06	3/4	4,439.79	3/4	4,781.47	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,759.50	11	4,103.22	11	4,446.95	11	4,788.58	11		11		11		11		11		11	
1/4	3,766.66	1/4	4,110.38	1/4	4,454.11	1/4	4,795.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,773.82	1/2	4,117.54	1/2	4,461.27	1/2	4,802.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.98	3/4	4,124.71	3/4	4,468.44	3/4	4,809.91	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/15/1999  
DECK MEASUREMENTS: 05/11/2016 SW  
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3012"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

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	16.35	0	360.86	0	694.59	0	1,038.32	0	1,382.04	0	1,725.99	0	2,069.50	0	2,413.23	0	2,756.96	0	3,100.68
1/4	21.46	1/4	365.52	1/4	701.75	1/4	1,045.48	1/4	1,389.20	1/4	1,733.10	1/4	2,076.66	1/4	2,420.39	1/4	2,764.12	1/4	3,107.84
1/2	26.58	1/2	370.18	1/2	708.91	1/2	1,052.64	1/2	1,396.37	1/2	1,740.21	1/2	2,083.82	1/2	2,427.55	1/2	2,771.28	1/2	3,115.00
3/4	31.69	3/4	374.84	3/4	716.07	3/4	1,059.80	3/4	1,403.53	3/4	1,747.31	3/4	2,090.98	3/4	2,434.71	3/4	2,778.44	3/4	3,122.17
1	36.80	1	379.50	1	723.23	1	1,066.96	1	1,410.69	1	1,754.42	1	2,098.14	1	2,441.87	1	2,785.60	1	3,129.33
1/4	43.71	1/4	386.66	1/4	730.39	1/4	1,074.12	1/4	1,417.85	1/4	1,761.58	1/4	2,105.30	1/4	2,449.03	1/4	2,792.76	1/4	3,136.49
1/2	50.61	1/2	393.83	1/2	737.56	1/2	1,081.28	1/2	1,425.01	1/2	1,768.74	1/2	2,112.47	1/2	2,456.19	1/2	2,799.92	1/2	3,143.65
3/4	57.52	3/4	400.99	3/4	744.72	3/4	1,088.44	3/4	1,432.17	3/4	1,775.90	3/4	2,119.63	3/4	2,463.36	3/4	2,807.08	3/4	3,150.81
2	64.42	2	408.15	2	751.88	2	1,095.60	2	1,439.33	2	1,783.06	2	2,126.79	2	2,470.52	2	2,814.24	2	3,157.97
1/4	71.58	1/4	415.31	1/4	759.04	1/4	1,102.76	1/4	1,446.49	1/4	1,790.22	1/4	2,133.95	1/4	2,477.68	1/4	2,821.40	1/4	3,165.13
1/2	78.74	1/2	422.47	1/2	766.20	1/2	1,109.93	1/2	1,453.66	1/2	1,797.38	1/2	2,141.11	1/2	2,484.84	1/2	2,828.56	1/2	3,172.29
3/4	85.90	3/4	429.63	3/4	773.36	3/4	1,117.09	3/4	1,460.82	3/4	1,804.54	3/4	2,148.27	3/4	2,492.00	3/4	2,835.73	3/4	3,179.46
3	93.06	3	436.79	3	780.52	3	1,124.25	3	1,467.98	3	1,811.70	3	2,155.43	3	2,499.16	3	2,842.89	3	3,186.62
1/4	100.22	1/4	443.95	1/4	787.68	1/4	1,131.41	1/4	1,475.14	1/4	1,818.86	1/4	2,162.59	1/4	2,506.32	1/4	2,850.05	1/4	3,193.78
1/2	107.39	1/2	451.12	1/2	794.84	1/2	1,138.57	1/2	1,482.30	1/2	1,826.03	1/2	2,169.76	1/2	2,513.48	1/2	2,857.21	1/2	3,200.94
3/4	114.55	3/4	458.28	3/4	802.00	3/4	1,145.73	3/4	1,489.46	3/4	1,833.19	3/4	2,176.92	3/4	2,520.64	3/4	2,864.37	3/4	3,208.10
4	121.71	4	465.44	4	809.16	4	1,152.89	4	1,496.62	4	1,840.35	4	2,184.08	4	2,527.80	4	2,871.53	4	3,215.26
1/4	128.87	1/4	472.60	1/4	816.32	1/4	1,160.05	1/4	1,503.78	1/4	1,847.51	1/4	2,191.24	1/4	2,534.96	1/4	2,878.69	1/4	3,222.42
1/2	136.03	1/2	479.76	1/2	823.49	1/2	1,167.22	1/2	1,510.94	1/2	1,854.67	1/2	2,198.40	1/2	2,542.12	1/2	2,885.85	1/2	3,229.58
3/4	143.19	3/4	486.92	3/4	830.65	3/4	1,174.38	3/4	1,518.10	3/4	1,861.83	3/4	2,205.56	3/4	2,549.29	3/4	2,893.02	3/4	3,236.74
5	150.35	5	494.08	5	837.81	5	1,181.54	5	1,525.26	5	1,868.99	5	2,212.72	5	2,556.45	5	2,900.18	5	3,243.90
1/4	157.51	1/4	501.24	1/4	844.97	1/4	1,188.70	1/4	1,532.42	1/4	1,876.15	1/4	2,219.88	1/4	2,563.61	1/4	2,907.34	1/4	3,251.06
1/2	164.68	1/2	508.40	1/2	852.13	1/2	1,195.86	1/2	1,539.59	1/2	1,883.32	1/2	2,227.04	1/2	2,570.77	1/2	2,914.50	1/2	3,258.22
3/4	171.84	3/4	515.56	3/4	859.29	3/4	1,203.02	3/4	1,546.75	3/4	1,890.48	3/4	2,234.20	3/4	2,577.93	3/4	2,921.66	3/4	3,265.39
6	179.00	6	522.72	6	866.45	6	1,210.18	6	1,553.91	6	1,897.64	6	2,241.36	6	2,585.09	6	2,928.82	6	3,272.55
1/4	186.16	1/4	529.88	1/4	873.61	1/4	1,217.34	1/4	1,561.07	1/4	1,904.80	1/4	2,248.52	1/4	2,592.25	1/4	2,935.98	1/4	3,279.71
1/2	193.32	1/2	537.05	1/2	880.78	1/2	1,224.50	1/2	1,568.23	1/2	1,911.96	1/2	2,255.69	1/2	2,599.41	1/2	2,943.14	1/2	3,286.87
3/4	200.48	3/4	544.21	3/4	887.94	3/4	1,231.66	3/4	1,575.39	3/4	1,919.12	3/4	2,262.85	3/4	2,606.58	3/4	2,950.30	3/4	3,294.03
7	207.64	7	551.37	7	895.10	7	1,238.82	7	1,582.55	7	1,926.28	7	2,270.01	7	2,613.74	7	2,957.46	7	3,301.19
1/4	214.80	1/4	558.53	1/4	902.26	1/4	1,245.98	1/4	1,589.71	1/4	1,933.44	1/4	2,277.17	1/4	2,620.90	1/4	2,964.62	1/4	3,308.35
1/2	221.96	1/2	565.69	1/2	909.42	1/2	1,253.15	1/2	1,596.88	1/2	1,940.60	1/2	2,284.33	1/2	2,628.06	1/2	2,971.78	1/2	3,315.51
3/4	229.12	3/4	572.85	3/4	916.58	3/4	1,260.31	3/4	1,604.04	3/4	1,947.76	3/4	2,291.49	3/4	2,635.22	3/4	2,978.95	3/4	3,322.68
8	236.28	8	580.01	8	923.74	8	1,267.47	8	1,611.20	8	1,954.92	8	2,298.65	8	2,642.38	8	2,986.11	8	3,329.84
1/4	243.44	1/4	587.17	1/4	930.90	1/4	1,274.63	1/4	1,618.36	1/4	1,962.08	1/4	2,305.81	1/4	2,649.54	1/4	2,993.27	1/4	3,337.00
1/2	250.61	1/2	594.34	1/2	938.06	1/2	1,281.79	1/2	1,625.52	1/2	1,969.25	1/2	2,312.98	1/2	2,656.70	1/2	3,000.43	1/2	3,344.16
3/4	257.77	3/4	601.50	3/4	945.22	3/4	1,288.95	3/4	1,632.68	3/4	1,976.41	3/4	2,320.14	3/4	2,663.86	3/4	3,007.59	3/4	3,351.32
9	264.93	9	608.66	9	952.38	9	1,296.11	9	1,639.84	9	1,983.57	9	2,327.30	9	2,671.02	9	3,014.75	9	3,358.48
1/4	272.09	1/4	615.82	1/4	959.54	1/4	1,303.27	1/4	1,647.00	1/4	1,990.73	1/4	2,334.46	1/4	2,678.18	1/4	3,021.91	1/4	3,365.64
1/2	279.25	1/2	622.98	1/2	966.71	1/2	1,310.44	1/2	1,654.16	1/2	1,997.89	1/2	2,341.62	1/2	2,685.34	1/2	3,029.07	1/2	3,372.80
3/4	286.41	3/4	630.14	3/4	973.87	3/4	1,317.60	3/4	1,661.32	3/4	2,005.05	3/4	2,348.78	3/4	2,692.51	3/4	3,036.24	3/4	3,379.96
10	293.57	10	637.30	10	981.03	10	1,324.76	10	1,668.48	10	2,012.21	10	2,355.94	10	2,699.67	10	3,043.40	10	3,387.12
1/4	300.73	1/4	644.46	1/4	988.19	1/4	1,331.92	1/4	1,675.64	1/4	2,019.37	1/4	2,363.10	1/4	2,706.83	1/4	3,050.56	1/4	3,394.28
1/2	307.90	1/2	651.62	1/2	995.35	1/2	1,339.08	1/2	1,682.81	1/2	2,026.54	1/2	2,370.26	1/2	2,713.99	1/2	3,057.72	1/2	3,401.44
3/4	315.06	3/4	658.78	3/4	1,002.51	3/4	1,346.24	3/4	1,689.97	3/4	2,033.70	3/4	2,377.42	3/4	2,721.15	3/4	3,064.88	3/4	3,408.61
11	322.22	11	665.94	11	1,009.67	11	1,353.40	11	1,697.13	11	2,040.86	11	2,384.58	11	2,728.31	11	3,072.04	11	3,415.77
1/4	331.88	1/4	673.10	1/4	1,016.83	1/4	1,360.56	1/4	1,704.35	1/4	2,048.02	1/4	2,391.74	1/4	2,735.47	1/4	3,079.20	1/4	3,422.93
1/2	341.54	1/2	680.27	1/2	1,024.00	1/2	1,367.72	1/2	1,711.56	1/2	2,055.18	1/2	2,398.91	1/2	2,742.63	1/2	3,086.36	1/2	3,430.09
3/4	351.20	3/4	687.43	3/4	1,031.16	3/4	1,374.88	3/4	1,718.78	3/4	2,062.34	3/4	2,406.07	3/4	2,749.80	3/4	3,093.52	3/4	3,437.25

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3012"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05"

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	3,444.41	0	3,788.14	0	4,131.87	0	4,475.60	0	4,817.02	0		0		0		0		0	
1/4	3,451.57	1/4	3,795.30	1/4	4,139.03	1/4	4,482.73	1/4	4,823.60	1/4		1/4		1/4		1/4		1/4	
1/2	3,458.73	1/2	3,802.46	1/2	4,146.19	1/2	4,489.87	1/2	4,830.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,465.90	3/4	3,809.62	3/4	4,153.35	3/4	4,497.00	3/4	4,836.76	3/4		3/4		3/4		3/4		3/4	
1	3,473.06	1	3,816.78	1	4,160.51	1	4,504.14	1	4,843.34	1		1		1		1		1	
1/4	3,480.22	1/4	3,823.94	1/4	4,167.67	1/4	4,511.25	1/4	4,848.91	1/4		1/4		1/4		1/4		1/4	
1/2	3,487.38	1/2	3,831.10	1/2	4,174.83	1/2	4,518.36	1/2	4,854.48	1/2		1/2		1/2		1/2		1/2	
3/4	3,494.54	3/4	3,838.27	3/4	4,182.00	3/4	4,525.47	3/4	4,860.05	3/4		3/4		3/4		3/4		3/4	
2	3,501.70	2	3,845.43	2	4,189.16	2	4,532.58	2	4,865.62	2		2		2		2		2	
1/4	3,508.86	1/4	3,852.59	1/4	4,196.32	1/4	4,539.69	1/4	4,870.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,516.02	1/2	3,859.75	1/2	4,203.48	1/2	4,546.80	1/2	4,874.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,523.18	3/4	3,866.91	3/4	4,210.64	3/4	4,553.92	3/4	4,879.13	3/4		3/4		3/4		3/4		3/4	
3	3,530.34	3	3,874.07	3	4,217.80	3	4,561.03	3	4,883.64	3		3		3		3		3	
1/4	3,537.50	1/4	3,881.23	1/4	4,224.96	1/4	4,568.14	1/4	4,887.08	1/4		1/4		1/4		1/4		1/4	
1/2	3,544.66	1/2	3,888.39	1/2	4,232.12	1/2	4,575.25	1/2	4,890.53	1/2		1/2		1/2		1/2		1/2	
3/4	3,551.83	3/4	3,895.56	3/4	4,239.28	3/4	4,582.36	3/4	4,893.97	3/4		3/4		3/4		3/4		3/4	
4	3,558.99	4	3,902.72	4	4,246.44	4	4,589.47	4	4,897.42	4		4		4		4		4	
1/4	3,566.15	1/4	3,909.88	1/4	4,253.60	1/4	4,596.58	1/4	4,899.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,573.31	1/2	3,917.04	1/2	4,260.76	1/2	4,603.69	1/2	4,902.19	1/2		1/2		1/2		1/2		1/2	
3/4	3,580.47	3/4	3,924.20	3/4	4,267.93	3/4	4,610.81	3/4	4,904.57	3/4		3/4		3/4		3/4		3/4	
5	3,587.63	5	3,931.36	5	4,275.09	5	4,617.92	5	4,906.96	5		5		5		5		5	
1/4	3,594.79	1/4	3,938.52	1/4	4,282.25	1/4	4,625.03	1/4	4,908.28	1/4		1/4		1/4		1/4		1/4	
1/2	3,601.95	1/2	3,945.68	1/2	4,289.41	1/2	4,632.14	1/2	4,909.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,609.12	3/4	3,952.84	3/4	4,296.57	3/4	4,639.25	3/4	4,910.93	3/4		3/4		3/4		3/4		3/4	
6	3,616.28	6	3,960.00	6	4,303.73	6	4,646.36	6	4,912.25	6		6		6		6		6	
1/4	3,623.44	1/4	3,967.16	1/4	4,310.89	1/4	4,653.47	1/4	4,912.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,630.60	1/2	3,974.32	1/2	4,318.05	1/2	4,660.58	1/2	4,913.04	1/2		1/2		1/2		1/2		1/2	
3/4	3,637.76	3/4	3,981.49	3/4	4,325.22	3/4	4,667.69	3/4	4,913.43	3/4		3/4		3/4		3/4		3/4	
7	3,644.92	7	3,988.65	7	4,332.38	7	4,674.80	7		7		7		7		7		7	
1/4	3,652.08	1/4	3,995.81	1/4	4,339.54	1/4	4,681.91	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,659.24	1/2	4,002.97	1/2	4,346.70	1/2	4,689.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,666.40	3/4	4,010.13	3/4	4,353.86	3/4	4,696.14	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,673.56	8	4,017.29	8	4,361.02	8	4,703.25	8		8		8		8		8		8	
1/4	3,680.72	1/4	4,024.45	1/4	4,368.18	1/4	4,710.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,687.88	1/2	4,031.61	1/2	4,375.34	1/2	4,717.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,695.05	3/4	4,038.78	3/4	4,382.50	3/4	4,724.58	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,702.21	9	4,045.94	9	4,389.66	9	4,731.69	9		9		9		9		9		9	
1/4	3,709.37	1/4	4,053.10	1/4	4,396.82	1/4	4,738.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,716.53	1/2	4,060.26	1/2	4,403.98	1/2	4,745.91	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,723.69	3/4	4,067.42	3/4	4,411.15	3/4	4,753.03	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,730.85	10	4,074.58	10	4,418.31	10	4,760.14	10		10		10		10		10		10	
1/4	3,738.01	1/4	4,081.74	1/4	4,425.47	1/4	4,767.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,745.17	1/2	4,088.90	1/2	4,432.63	1/2	4,774.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,752.34	3/4	4,096.06	3/4	4,439.79	3/4	4,781.47	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,759.50	11	4,103.22	11	4,446.95	11	4,788.58	11		11		11		11		11		11	
1/4	3,766.66	1/4	4,110.38	1/4	4,454.11	1/4	4,795.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,773.82	1/2	4,117.54	1/2	4,461.27	1/2	4,802.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,780.98	3/4	4,124.71	3/4	4,468.44	3/4	4,809.91	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/15/1999  
DECK MEASUREMENTS: 05/11/2016 SW  
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3012"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-04 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	14.03	0	363.96	0	727.78	0	1,090.62	0	1,454.89	0	1,819.16	0	2,183.43	0	2,547.71	0	2,911.98	0	3,276.25
1/4	18.90	1/4	371.55	1/4	735.34	1/4	1,098.21	1/4	1,462.48	1/4	1,826.75	1/4	2,191.02	1/4	2,555.30	1/4	2,919.57	1/4	3,283.84
1/2	23.78	1/2	379.13	1/2	742.89	1/2	1,105.80	1/2	1,470.07	1/2	1,834.34	1/2	2,198.61	1/2	2,562.89	1/2	2,927.16	1/2	3,291.43
3/4	28.65	3/4	386.72	3/4	750.45	3/4	1,113.39	3/4	1,477.66	3/4	1,841.93	3/4	2,206.20	3/4	2,570.47	3/4	2,934.74	3/4	3,299.02
1	33.52	1	394.30	1	758.00	1	1,120.98	1	1,485.25	1	1,849.52	1	2,213.79	1	2,578.06	1	2,942.33	1	3,306.61
1/4	40.29	1/4	401.88	1/4	765.55	1/4	1,128.57	1/4	1,492.84	1/4	1,857.11	1/4	2,221.38	1/4	2,585.65	1/4	2,949.92	1/4	3,314.20
1/2	47.06	1/2	409.47	1/2	773.11	1/2	1,136.16	1/2	1,500.43	1/2	1,864.70	1/2	2,228.97	1/2	2,593.24	1/2	2,957.51	1/2	3,321.79
3/4	53.83	3/4	417.05	3/4	780.66	3/4	1,143.74	3/4	1,508.01	3/4	1,872.28	3/4	2,236.56	3/4	2,600.83	3/4	2,965.10	3/4	3,329.37
2	60.60	2	424.63	2	788.21	2	1,151.33	2	1,515.60	2	1,879.87	2	2,244.15	2	2,608.42	2	2,972.69	2	3,336.96
1/4	68.19	1/4	432.22	1/4	795.77	1/4	1,158.92	1/4	1,523.19	1/4	1,887.46	1/4	2,251.74	1/4	2,616.01	1/4	2,980.28	1/4	3,344.55
1/2	75.77	1/2	439.80	1/2	803.32	1/2	1,166.51	1/2	1,530.78	1/2	1,895.05	1/2	2,259.33	1/2	2,623.60	1/2	2,987.87	1/2	3,352.14
3/4	83.36	3/4	447.39	3/4	810.87	3/4	1,174.10	3/4	1,538.37	3/4	1,902.64	3/4	2,266.91	3/4	2,631.18	3/4	2,995.46	3/4	3,359.73
3	90.94	3	454.97	3	818.43	3	1,181.69	3	1,545.96	3	1,910.23	3	2,274.50	3	2,638.77	3	3,003.05	3	3,367.32
1/4	98.52	1/4	462.55	1/4	825.98	1/4	1,189.28	1/4	1,553.55	1/4	1,917.82	1/4	2,281.97	1/4	2,646.36	1/4	3,010.64	1/4	3,374.91
1/2	106.11	1/2	470.14	1/2	833.54	1/2	1,196.87	1/2	1,561.14	1/2	1,925.41	1/2	2,289.43	1/2	2,653.95	1/2	3,018.23	1/2	3,382.50
3/4	113.69	3/4	477.72	3/4	841.09	3/4	1,204.45	3/4	1,568.72	3/4	1,933.00	3/4	2,296.90	3/4	2,661.54	3/4	3,025.81	3/4	3,390.08
4	121.27	4	485.30	4	848.65	4	1,212.04	4	1,576.31	4	1,940.59	4	2,304.36	4	2,669.13	4	3,033.40	4	3,397.67
1/4	128.86	1/4	492.88	1/4	856.20	1/4	1,219.63	1/4	1,583.90	1/4	1,948.18	1/4	2,312.07	1/4	2,676.72	1/4	3,040.99	1/4	3,405.26
1/2	136.44	1/2	500.47	1/2	863.75	1/2	1,227.22	1/2	1,591.49	1/2	1,955.77	1/2	2,319.79	1/2	2,684.31	1/2	3,048.58	1/2	3,412.85
3/4	144.03	3/4	508.05	3/4	871.31	3/4	1,234.81	3/4	1,599.08	3/4	1,963.35	3/4	2,327.50	3/4	2,691.90	3/4	3,056.17	3/4	3,420.44
5	151.61	5	515.64	5	878.86	5	1,242.40	5	1,606.67	5	1,970.94	5	2,335.21	5	2,699.49	5	3,063.76	5	3,428.03
1/4	159.19	1/4	523.22	1/4	886.41	1/4	1,249.99	1/4	1,614.26	1/4	1,978.53	1/4	2,342.80	1/4	2,707.08	1/4	3,071.35	1/4	3,435.62
1/2	166.78	1/2	530.81	1/2	893.97	1/2	1,257.58	1/2	1,621.85	1/2	1,986.12	1/2	2,350.39	1/2	2,714.67	1/2	3,078.94	1/2	3,443.21
3/4	174.36	3/4	538.40	3/4	901.52	3/4	1,265.17	3/4	1,629.44	3/4	1,993.71	3/4	2,357.98	3/4	2,722.25	3/4	3,086.52	3/4	3,450.80
6	181.94	6	545.98	6	909.08	6	1,272.76	6	1,637.03	6	2,001.30	6	2,365.57	6	2,729.84	6	3,094.11	6	3,458.39
1/4	189.53	1/4	553.56	1/4	916.63	1/4	1,280.35	1/4	1,644.62	1/4	2,008.89	1/4	2,373.16	1/4	2,737.43	1/4	3,101.70	1/4	3,465.81
1/2	197.11	1/2	561.15	1/2	924.18	1/2	1,287.94	1/2	1,652.21	1/2	2,016.48	1/2	2,380.75	1/2	2,745.02	1/2	3,109.29	1/2	3,473.23
3/4	204.70	3/4	568.73	3/4	931.74	3/4	1,295.52	3/4	1,659.79	3/4	2,024.06	3/4	2,388.34	3/4	2,752.61	3/4	3,116.88	3/4	3,480.65
7	212.28	7	576.31	7	939.29	7	1,303.11	7	1,667.38	7	2,031.65	7	2,395.93	7	2,760.20	7	3,124.47	7	3,488.07
1/4	219.87	1/4	583.90	1/4	946.84	1/4	1,310.70	1/4	1,674.97	1/4	2,039.24	1/4	2,403.52	1/4	2,767.79	1/4	3,132.06	1/4	3,495.15
1/2	227.45	1/2	591.48	1/2	954.40	1/2	1,318.29	1/2	1,682.56	1/2	2,046.83	1/2	2,411.11	1/2	2,775.38	1/2	3,139.65	1/2	3,502.23
3/4	235.04	3/4	599.07	3/4	961.95	3/4	1,325.88	3/4	1,690.15	3/4	2,054.42	3/4	2,418.69	3/4	2,782.96	3/4	3,147.24	3/4	3,509.30
8	242.62	8	606.65	8	969.51	8	1,333.47	8	1,697.74	8	2,062.01	8	2,426.28	8	2,790.55	8	3,154.83	8	3,516.38
1/4	250.20	1/4	614.23	1/4	977.06	1/4	1,341.06	1/4	1,705.33	1/4	2,069.60	1/4	2,433.87	1/4	2,798.14	1/4	3,162.42	1/4	3,523.11
1/2	257.79	1/2	621.82	1/2	984.62	1/2	1,348.65	1/2	1,712.92	1/2	2,077.19	1/2	2,441.46	1/2	2,805.73	1/2	3,170.01	1/2	3,529.85
3/4	265.37	3/4	629.40	3/4	992.17	3/4	1,356.23	3/4	1,720.50	3/4	2,084.78	3/4	2,449.05	3/4	2,813.32	3/4	3,177.59	3/4	3,536.58
9	272.95	9	636.98	9	999.73	9	1,363.82	9	1,728.09	9	2,092.37	9	2,456.64	9	2,820.91	9	3,185.18	9	3,543.31
1/4	280.54	1/4	644.57	1/4	1,007.28	1/4	1,371.41	1/4	1,735.68	1/4	2,099.96	1/4	2,464.23	1/4	2,828.50	1/4	3,192.77	1/4	3,549.70
1/2	288.12	1/2	652.15	1/2	1,014.84	1/2	1,379.00	1/2	1,743.27	1/2	2,107.55	1/2	2,471.82	1/2	2,836.09	1/2	3,200.36	1/2	3,556.08
3/4	295.71	3/4	659.74	3/4	1,022.39	3/4	1,386.59	3/4	1,750.86	3/4	2,115.13	3/4	2,479.40	3/4	2,843.68	3/4	3,207.95	3/4	3,562.47
10	303.29	10	667.32	10	1,029.94	10	1,394.18	10	1,758.45	10	2,122.72	10	2,486.99	10	2,851.27	10	3,215.54	10	3,568.85
1/4	310.87	1/4	674.88	1/4	1,037.52	1/4	1,401.77	1/4	1,766.04	1/4	2,130.31	1/4	2,494.58	1/4	2,858.86	1/4	3,223.13	1/4	3,574.89
1/2	318.46	1/2	682.45	1/2	1,045.10	1/2	1,409.36	1/2	1,773.63	1/2	2,137.90	1/2	2,502.17	1/2	2,866.45	1/2	3,230.72	1/2	3,580.94
3/4	326.04	3/4	690.01	3/4	1,052.68	3/4	1,416.94	3/4	1,781.22	3/4	2,145.49	3/4	2,509.76	3/4	2,874.03	3/4	3,238.30	3/4	3,586.98
11	333.62	11	697.57	11	1,060.26	11	1,424.53	11	1,788.81	11	2,153.08	11	2,517.35	11	2,881.62	11	3,245.89	11	3,593.02
1/4	341.21	1/4	705.12	1/4	1,067.85	1/4	1,432.12	1/4	1,796.40	1/4	2,160.67	1/4	2,524.94	1/4	2,889.21	1/4	3,253.48	1/4	3,598.72
1/2	348.79	1/2	712.68	1/2	1,075.44	1/2	1,439.71	1/2	1,803.99	1/2	2,168.26	1/2	2,532.53	1/2	2,896.80	1/2	3,261.07	1/2	3,604.41
3/4	356.38	3/4	720.23	3/4	1,083.03	3/4	1,447.30	3/4	1,811.57	3/4	2,175.84	3/4	2,540.12	3/4	2,904.39	3/4	3,268.66	3/4	3,610.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3012"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,615.80	0	3,868.91	0	4,121.63	0	4,374.35	0	4,627.07	0		0		0		0		0	
1/4	3,621.16	1/4	3,874.18	1/4	4,126.90	1/4	4,379.62	1/4	4,632.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.53	1/2	3,879.44	1/2	4,132.16	1/2	4,384.88	1/2	4,637.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.89	3/4	3,884.71	3/4	4,137.43	3/4	4,390.15	3/4	4,641.99	3/4		3/4		3/4		3/4		3/4	
1	3,637.25	1	3,889.97	1	4,142.69	1	4,395.41	1	4,646.96	1		1		1		1		1	
1/4	3,642.52	1/4	3,895.24	1/4	4,147.96	1/4	4,400.68	1/4	4,651.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,647.78	1/2	3,900.50	1/2	4,153.22	1/2	4,405.94	1/2	4,655.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.05	3/4	3,905.77	3/4	4,158.49	3/4	4,411.21	3/4	4,659.83	3/4		3/4		3/4		3/4		3/4	
2	3,658.31	2	3,911.03	2	4,163.75	2	4,416.47	2	4,664.12	2		2		2		2		2	
1/4	3,663.58	1/4	3,916.30	1/4	4,169.02	1/4	4,421.74	1/4	4,667.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.84	1/2	3,921.56	1/2	4,174.28	1/2	4,427.00	1/2	4,671.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.11	3/4	3,926.83	3/4	4,179.55	3/4	4,432.27	3/4	4,674.64	3/4		3/4		3/4		3/4		3/4	
3	3,679.37	3	3,932.09	3	4,184.81	3	4,437.53	3	4,678.15	3		3		3		3		3	
1/4	3,684.64	1/4	3,937.36	1/4	4,190.08	1/4	4,442.80	1/4	4,680.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.90	1/2	3,942.62	1/2	4,195.34	1/2	4,448.06	1/2	4,683.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,695.17	3/4	3,947.89	3/4	4,200.61	3/4	4,453.33	3/4	4,686.33	3/4		3/4		3/4		3/4		3/4	
4	3,700.43	4	3,953.15	4	4,205.87	4	4,458.59	4	4,689.05	4		4		4		4		4	
1/4	3,705.70	1/4	3,958.42	1/4	4,211.14	1/4	4,463.86	1/4	4,691.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,710.96	1/2	3,963.68	1/2	4,216.40	1/2	4,469.12	1/2	4,692.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,716.23	3/4	3,968.95	3/4	4,221.67	3/4	4,474.39	3/4	4,694.90	3/4		3/4		3/4		3/4		3/4	
5	3,721.49	5	3,974.21	5	4,226.93	5	4,479.65	5	4,696.85	5		5		5		5		5	
1/4	3,726.76	1/4	3,979.48	1/4	4,232.20	1/4	4,484.92	1/4	4,698.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,732.02	1/2	3,984.74	1/2	4,237.46	1/2	4,490.18	1/2	4,699.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,737.29	3/4	3,990.01	3/4	4,242.73	3/4	4,495.45	3/4	4,700.35	3/4		3/4		3/4		3/4		3/4	
6	3,742.55	6	3,995.27	6	4,247.99	6	4,500.71	6	4,701.51	6		6		6		6		6	
1/4	3,747.82	1/4	4,000.54	1/4	4,253.26	1/4	4,505.98	1/4	4,701.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,753.08	1/2	4,005.80	1/2	4,258.52	1/2	4,511.24	1/2	4,702.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,758.35	3/4	4,011.07	3/4	4,263.79	3/4	4,516.51	3/4	4,702.89	3/4		3/4		3/4		3/4		3/4	
7	3,763.61	7	4,016.33	7	4,269.05	7	4,521.77	7	4,703.35	7		7		7		7		7	
1/4	3,768.88	1/4	4,021.60	1/4	4,274.32	1/4	4,527.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,774.14	1/2	4,026.86	1/2	4,279.58	1/2	4,532.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.41	3/4	4,032.13	3/4	4,284.85	3/4	4,537.57	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,784.67	8	4,037.39	8	4,290.11	8	4,542.83	8		8		8		8		8		8	
1/4	3,789.94	1/4	4,042.66	1/4	4,295.38	1/4	4,548.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,795.20	1/2	4,047.92	1/2	4,300.64	1/2	4,553.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,800.47	3/4	4,053.19	3/4	4,305.91	3/4	4,558.63	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,805.73	9	4,058.45	9	4,311.17	9	4,563.89	9		9		9		9		9		9	
1/4	3,811.00	1/4	4,063.72	1/4	4,316.44	1/4	4,569.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,816.26	1/2	4,068.98	1/2	4,321.70	1/2	4,574.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,821.53	3/4	4,074.25	3/4	4,326.97	3/4	4,579.69	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,826.79	10	4,079.51	10	4,332.23	10	4,584.95	10		10		10		10		10		10	
1/4	3,832.06	1/4	4,084.78	1/4	4,337.50	1/4	4,590.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.32	1/2	4,090.04	1/2	4,342.76	1/2	4,595.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.59	3/4	4,095.31	3/4	4,348.03	3/4	4,600.75	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,847.85	11	4,100.57	11	4,353.29	11	4,606.01	11		11		11		11		11		11	
1/4	3,853.12	1/4	4,105.84	1/4	4,358.56	1/4	4,611.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,858.38	1/2	4,111.10	1/2	4,363.82	1/2	4,616.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,863.65	3/4	4,116.37	3/4	4,369.09	3/4	4,621.81	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/15/1999  
DECK MEASUREMENTS: 05/11/2016 SW  
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 05/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "NGL 3012"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-04 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	14.03	0	363.96	0	727.78	0	1,090.62	0	1,454.89	0	1,819.16	0	2,183.43	0	2,547.71	0	2,911.98	0	3,276.25
1/4	18.90	1/4	371.55	1/4	735.34	1/4	1,098.21	1/4	1,462.48	1/4	1,826.75	1/4	2,191.02	1/4	2,555.30	1/4	2,919.57	1/4	3,283.84
1/2	23.78	1/2	379.13	1/2	742.89	1/2	1,105.80	1/2	1,470.07	1/2	1,834.34	1/2	2,198.61	1/2	2,562.89	1/2	2,927.16	1/2	3,291.43
3/4	28.65	3/4	386.72	3/4	750.45	3/4	1,113.39	3/4	1,477.66	3/4	1,841.93	3/4	2,206.20	3/4	2,570.47	3/4	2,934.74	3/4	3,299.02
1	33.52	1	394.30	1	758.00	1	1,120.98	1	1,485.25	1	1,849.52	1	2,213.79	1	2,578.06	1	2,942.33	1	3,306.61
1/4	40.29	1/4	401.88	1/4	765.55	1/4	1,128.57	1/4	1,492.84	1/4	1,857.11	1/4	2,221.38	1/4	2,585.65	1/4	2,949.92	1/4	3,314.20
1/2	47.06	1/2	409.47	1/2	773.11	1/2	1,136.16	1/2	1,500.43	1/2	1,864.70	1/2	2,228.97	1/2	2,593.24	1/2	2,957.51	1/2	3,321.79
3/4	53.83	3/4	417.05	3/4	780.66	3/4	1,143.74	3/4	1,508.01	3/4	1,872.28	3/4	2,236.56	3/4	2,600.83	3/4	2,965.10	3/4	3,329.37
2	60.60	2	424.63	2	788.21	2	1,151.33	2	1,515.60	2	1,879.87	2	2,244.15	2	2,608.42	2	2,972.69	2	3,336.96
1/4	68.19	1/4	432.22	1/4	795.77	1/4	1,158.92	1/4	1,523.19	1/4	1,887.46	1/4	2,251.74	1/4	2,616.01	1/4	2,980.28	1/4	3,344.55
1/2	75.77	1/2	439.80	1/2	803.32	1/2	1,166.51	1/2	1,530.78	1/2	1,895.05	1/2	2,259.33	1/2	2,623.60	1/2	2,987.87	1/2	3,352.14
3/4	83.36	3/4	447.39	3/4	810.87	3/4	1,174.10	3/4	1,538.37	3/4	1,902.64	3/4	2,266.91	3/4	2,631.18	3/4	2,995.46	3/4	3,359.73
3	90.94	3	454.97	3	818.43	3	1,181.69	3	1,545.96	3	1,910.23	3	2,274.50	3	2,638.77	3	3,003.05	3	3,367.32
1/4	98.52	1/4	462.55	1/4	825.98	1/4	1,189.28	1/4	1,553.55	1/4	1,917.82	1/4	2,281.97	1/4	2,646.36	1/4	3,010.64	1/4	3,374.91
1/2	106.11	1/2	470.14	1/2	833.54	1/2	1,196.87	1/2	1,561.14	1/2	1,925.41	1/2	2,289.43	1/2	2,653.95	1/2	3,018.23	1/2	3,382.50
3/4	113.69	3/4	477.72	3/4	841.09	3/4	1,204.45	3/4	1,568.72	3/4	1,933.00	3/4	2,296.90	3/4	2,661.54	3/4	3,025.81	3/4	3,390.08
4	121.27	4	485.30	4	848.65	4	1,212.04	4	1,576.31	4	1,940.59	4	2,304.36	4	2,669.13	4	3,033.40	4	3,397.67
1/4	128.86	1/4	492.88	1/4	856.20	1/4	1,219.63	1/4	1,583.90	1/4	1,948.18	1/4	2,312.07	1/4	2,676.72	1/4	3,040.99	1/4	3,405.26
1/2	136.44	1/2	500.47	1/2	863.75	1/2	1,227.22	1/2	1,591.49	1/2	1,955.77	1/2	2,319.79	1/2	2,684.31	1/2	3,048.58	1/2	3,412.85
3/4	144.03	3/4	508.05	3/4	871.31	3/4	1,234.81	3/4	1,599.08	3/4	1,963.35	3/4	2,327.50	3/4	2,691.90	3/4	3,056.17	3/4	3,420.44
5	151.61	5	515.64	5	878.86	5	1,242.40	5	1,606.67	5	1,970.94	5	2,335.21	5	2,699.49	5	3,063.76	5	3,428.03
1/4	159.19	1/4	523.22	1/4	886.41	1/4	1,249.99	1/4	1,614.26	1/4	1,978.53	1/4	2,342.80	1/4	2,707.08	1/4	3,071.35	1/4	3,435.62
1/2	166.78	1/2	530.81	1/2	893.97	1/2	1,257.58	1/2	1,621.85	1/2	1,986.12	1/2	2,350.39	1/2	2,714.67	1/2	3,078.94	1/2	3,443.21
3/4	174.36	3/4	538.40	3/4	901.52	3/4	1,265.17	3/4	1,629.44	3/4	1,993.71	3/4	2,357.98	3/4	2,722.25	3/4	3,086.52	3/4	3,450.80
6	181.94	6	545.98	6	909.08	6	1,272.76	6	1,637.03	6	2,001.30	6	2,365.57	6	2,729.84	6	3,094.11	6	3,458.39
1/4	189.53	1/4	553.56	1/4	916.63	1/4	1,280.35	1/4	1,644.62	1/4	2,008.89	1/4	2,373.16	1/4	2,737.43	1/4	3,101.70	1/4	3,465.81
1/2	197.11	1/2	561.15	1/2	924.18	1/2	1,287.94	1/2	1,652.21	1/2	2,016.48	1/2	2,380.75	1/2	2,745.02	1/2	3,109.29	1/2	3,473.23
3/4	204.70	3/4	568.73	3/4	931.74	3/4	1,295.52	3/4	1,659.79	3/4	2,024.06	3/4	2,388.34	3/4	2,752.61	3/4	3,116.88	3/4	3,480.65
7	212.28	7	576.31	7	939.29	7	1,303.11	7	1,667.38	7	2,031.65	7	2,395.93	7	2,760.20	7	3,124.47	7	3,488.07
1/4	219.87	1/4	583.90	1/4	946.84	1/4	1,310.70	1/4	1,674.97	1/4	2,039.24	1/4	2,403.52	1/4	2,767.79	1/4	3,132.06	1/4	3,495.15
1/2	227.45	1/2	591.48	1/2	954.40	1/2	1,318.29	1/2	1,682.56	1/2	2,046.83	1/2	2,411.11	1/2	2,775.38	1/2	3,139.65	1/2	3,502.23
3/4	235.04	3/4	599.07	3/4	961.95	3/4	1,325.88	3/4	1,690.15	3/4	2,054.42	3/4	2,418.69	3/4	2,782.96	3/4	3,147.24	3/4	3,509.30
8	242.62	8	606.65	8	969.51	8	1,333.47	8	1,697.74	8	2,062.01	8	2,426.28	8	2,790.55	8	3,154.83	8	3,516.38
1/4	250.20	1/4	614.23	1/4	977.06	1/4	1,341.06	1/4	1,705.33	1/4	2,069.60	1/4	2,433.87	1/4	2,798.14	1/4	3,162.42	1/4	3,523.11
1/2	257.79	1/2	621.82	1/2	984.62	1/2	1,348.65	1/2	1,712.92	1/2	2,077.19	1/2	2,441.46	1/2	2,805.73	1/2	3,170.01	1/2	3,529.85
3/4	265.37	3/4	629.40	3/4	992.17	3/4	1,356.23	3/4	1,720.50	3/4	2,084.78	3/4	2,449.05	3/4	2,813.32	3/4	3,177.59	3/4	3,536.58
9	272.95	9	636.98	9	999.73	9	1,363.82	9	1,728.09	9	2,092.37	9	2,456.64	9	2,820.91	9	3,185.18	9	3,543.31
1/4	280.54	1/4	644.57	1/4	1,007.28	1/4	1,371.41	1/4	1,735.68	1/4	2,099.96	1/4	2,464.23	1/4	2,828.50	1/4	3,192.77	1/4	3,549.70
1/2	288.12	1/2	652.15	1/2	1,014.84	1/2	1,379.00	1/2	1,743.27	1/2	2,107.55	1/2	2,471.82	1/2	2,836.09	1/2	3,200.36	1/2	3,556.08
3/4	295.71	3/4	659.74	3/4	1,022.39	3/4	1,386.59	3/4	1,750.86	3/4	2,115.13	3/4	2,479.40	3/4	2,843.68	3/4	3,207.95	3/4	3,562.47
10	303.29	10	667.32	10	1,029.94	10	1,394.18	10	1,758.45	10	2,122.72	10	2,486.99	10	2,851.27	10	3,215.54	10	3,568.85
1/4	310.87	1/4	674.88	1/4	1,037.52	1/4	1,401.77	1/4	1,766.04	1/4	2,130.31	1/4	2,494.58	1/4	2,858.86	1/4	3,223.13	1/4	3,574.89
1/2	318.46	1/2	682.45	1/2	1,045.10	1/2	1,409.36	1/2	1,773.63	1/2	2,137.90	1/2	2,502.17	1/2	2,866.45	1/2	3,230.72	1/2	3,580.94
3/4	326.04	3/4	690.01	3/4	1,052.68	3/4	1,416.94	3/4	1,781.22	3/4	2,145.49	3/4	2,509.76	3/4	2,874.03	3/4	3,238.30	3/4	3,586.98
11	333.62	11	697.57	11	1,060.26	11	1,424.53	11	1,788.81	11	2,153.08	11	2,517.35	11	2,881.62	11	3,245.89	11	3,593.02
1/4	341.21	1/4	705.12	1/4	1,067.85	1/4	1,432.12	1/4	1,796.40	1/4	2,160.67	1/4	2,524.94	1/4	2,889.21	1/4	3,253.48	1/4	3,598.72
1/2	348.79	1/2	712.68	1/2	1,075.44	1/2	1,439.71	1/2	1,803.99	1/2	2,168.26	1/2	2,532.53	1/2	2,896.80	1/2	3,261.07	1/2	3,604.41
3/4	356.38	3/4	720.23	3/4	1,083.03	3/4	1,447.30	3/4	1,811.57	3/4	2,175.84	3/4	2,540.12	3/4	2,904.39	3/4	3,268.66	3/4	3,610.11

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 TO TOP LIP OF 2" HERMETIC VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "NGL 3012"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-04 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	3,615.80	0	3,868.91	0	4,121.63	0	4,374.35	0	4,627.07	0		0		0		0		0	
1/4	3,621.16	1/4	3,874.18	1/4	4,126.90	1/4	4,379.62	1/4	4,632.04	1/4		1/4		1/4		1/4		1/4	
1/2	3,626.53	1/2	3,879.44	1/2	4,132.16	1/2	4,384.88	1/2	4,637.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,631.89	3/4	3,884.71	3/4	4,137.43	3/4	4,390.15	3/4	4,641.99	3/4		3/4		3/4		3/4		3/4	
1	3,637.25	1	3,889.97	1	4,142.69	1	4,395.41	1	4,646.96	1		1		1		1		1	
1/4	3,642.52	1/4	3,895.24	1/4	4,147.96	1/4	4,400.68	1/4	4,651.25	1/4		1/4		1/4		1/4		1/4	
1/2	3,647.78	1/2	3,900.50	1/2	4,153.22	1/2	4,405.94	1/2	4,655.54	1/2		1/2		1/2		1/2		1/2	
3/4	3,653.05	3/4	3,905.77	3/4	4,158.49	3/4	4,411.21	3/4	4,659.83	3/4		3/4		3/4		3/4		3/4	
2	3,658.31	2	3,911.03	2	4,163.75	2	4,416.47	2	4,664.12	2		2		2		2		2	
1/4	3,663.58	1/4	3,916.30	1/4	4,169.02	1/4	4,421.74	1/4	4,667.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,668.84	1/2	3,921.56	1/2	4,174.28	1/2	4,427.00	1/2	4,671.14	1/2		1/2		1/2		1/2		1/2	
3/4	3,674.11	3/4	3,926.83	3/4	4,179.55	3/4	4,432.27	3/4	4,674.64	3/4		3/4		3/4		3/4		3/4	
3	3,679.37	3	3,932.09	3	4,184.81	3	4,437.53	3	4,678.15	3		3		3		3		3	
1/4	3,684.64	1/4	3,937.36	1/4	4,190.08	1/4	4,442.80	1/4	4,680.88	1/4		1/4		1/4		1/4		1/4	
1/2	3,689.90	1/2	3,942.62	1/2	4,195.34	1/2	4,448.06	1/2	4,683.60	1/2		1/2		1/2		1/2		1/2	
3/4	3,695.17	3/4	3,947.89	3/4	4,200.61	3/4	4,453.33	3/4	4,686.33	3/4		3/4		3/4		3/4		3/4	
4	3,700.43	4	3,953.15	4	4,205.87	4	4,458.59	4	4,689.05	4		4		4		4		4	
1/4	3,705.70	1/4	3,958.42	1/4	4,211.14	1/4	4,463.86	1/4	4,691.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,710.96	1/2	3,963.68	1/2	4,216.40	1/2	4,469.12	1/2	4,692.95	1/2		1/2		1/2		1/2		1/2	
3/4	3,716.23	3/4	3,968.95	3/4	4,221.67	3/4	4,474.39	3/4	4,694.90	3/4		3/4		3/4		3/4		3/4	
5	3,721.49	5	3,974.21	5	4,226.93	5	4,479.65	5	4,696.85	5		5		5		5		5	
1/4	3,726.76	1/4	3,979.48	1/4	4,232.20	1/4	4,484.92	1/4	4,698.02	1/4		1/4		1/4		1/4		1/4	
1/2	3,732.02	1/2	3,984.74	1/2	4,237.46	1/2	4,490.18	1/2	4,699.18	1/2		1/2		1/2		1/2		1/2	
3/4	3,737.29	3/4	3,990.01	3/4	4,242.73	3/4	4,495.45	3/4	4,700.35	3/4		3/4		3/4		3/4		3/4	
6	3,742.55	6	3,995.27	6	4,247.99	6	4,500.71	6	4,701.51	6		6		6		6		6	
1/4	3,747.82	1/4	4,000.54	1/4	4,253.26	1/4	4,505.98	1/4	4,701.97	1/4		1/4		1/4		1/4		1/4	
1/2	3,753.08	1/2	4,005.80	1/2	4,258.52	1/2	4,511.24	1/2	4,702.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,758.35	3/4	4,011.07	3/4	4,263.79	3/4	4,516.51	3/4	4,702.89	3/4		3/4		3/4		3/4		3/4	
7	3,763.61	7	4,016.33	7	4,269.05	7	4,521.77	7	4,703.35	7		7		7		7		7	
1/4	3,768.88	1/4	4,021.60	1/4	4,274.32	1/4	4,527.04	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,774.14	1/2	4,026.86	1/2	4,279.58	1/2	4,532.30	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,779.41	3/4	4,032.13	3/4	4,284.85	3/4	4,537.57	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,784.67	8	4,037.39	8	4,290.11	8	4,542.83	8		8		8		8		8		8	
1/4	3,789.94	1/4	4,042.66	1/4	4,295.38	1/4	4,548.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,795.20	1/2	4,047.92	1/2	4,300.64	1/2	4,553.36	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,800.47	3/4	4,053.19	3/4	4,305.91	3/4	4,558.63	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,805.73	9	4,058.45	9	4,311.17	9	4,563.89	9		9		9		9		9		9	
1/4	3,811.00	1/4	4,063.72	1/4	4,316.44	1/4	4,569.16	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,816.26	1/2	4,068.98	1/2	4,321.70	1/2	4,574.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,821.53	3/4	4,074.25	3/4	4,326.97	3/4	4,579.69	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,826.79	10	4,079.51	10	4,332.23	10	4,584.95	10		10		10		10		10		10	
1/4	3,832.06	1/4	4,084.78	1/4	4,337.50	1/4	4,590.22	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,837.32	1/2	4,090.04	1/2	4,342.76	1/2	4,595.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,842.59	3/4	4,095.31	3/4	4,348.03	3/4	4,600.75	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,847.85	11	4,100.57	11	4,353.29	11	4,606.01	11		11		11		11		11		11	
1/4	3,853.12	1/4	4,105.84	1/4	4,358.56	1/4	4,611.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,858.38	1/2	4,111.10	1/2	4,363.82	1/2	4,616.54	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,863.65	3/4	4,116.37	3/4	4,369.09	3/4	4,621.81	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 07/15/1999  
DECK MEASUREMENTS: 05/11/2016 SW  
PRINTED: 05/11/2016 JS

CANCELS AND SUPERCEDES  
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