



INSPECTORATE

ISO 9002 ACCREDITED

BARGE "MOC II"

MAROLL, INC.

TANK NUMBER:
5 PORT

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	FEET
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	720.61	659.11	597.04	534.93	472.82	410.71	348.60	286.48	224.37	162.26	100.15	40.12	
1/2	719.43	657.82	595.75	533.64	471.53	409.41	347.30	285.18	223.08	160.97	98.94	39.04	
3/4	718.25	656.54	594.46	532.34	470.23	408.12	346.01	283.94	221.78	159.67	97.63	37.95	
1	717.07	655.25	593.18	531.05	468.94	406.83	344.71	282.69	220.49	158.38	96.33	36.87	
1 1/4	715.73	653.96	591.87	529.76	467.64	405.53	343.42	281.31	219.24	157.08	95.04	35.78	
1 1/2	714.45	652.67	590.57	528.48	466.35	404.24	342.13	280.01	217.94	155.79	93.74	34.70	
1 3/4	713.16	651.39	589.28	527.17	465.06	402.94	340.83	278.72	216.63	154.50	92.45	33.61	
2	711.87	650.10	587.99	525.87	463.76	401.65	339.54	277.43	215.33	153.21	91.23	32.53	
2 1/4	710.59	648.80	586.69	524.58	462.47	400.36	338.24	276.13	214.07	151.91	89.92	31.45	
2 1/2	709.30	647.51	585.40	523.29	461.17	399.06	336.95	274.84	212.73	150.61	88.64	30.36	
2 3/4	708.01	646.22	584.10	522.00	459.88	397.77	335.66	273.54	211.43	149.32	87.34	29.28	
3	706.72	644.92	582.81	520.70	458.59	396.47	334.36	272.25	210.14	148.03	86.05	28.19	
3 1/4	705.43	643.63	581.52	519.40	457.29	395.18	333.07	270.96	208.84	146.73	84.75	27.11	
3 1/2	704.15	642.33	580.22	518.11	456.00	393.89	331.77	269.66	207.54	145.44	83.44	26.02	
3 3/4	702.86	641.04	578.93	516.82	454.70	392.59	330.48	268.37	206.26	144.14	82.14	24.94	
4	701.58	639.75	577.63	515.52	453.41	391.30	329.19	267.07	204.96	142.84	80.84	23.86	
4 1/4	700.29	638.45	576.34	514.23	452.12	390.00	327.89	265.78	203.67	141.54	79.54	22.77	
4 1/2	699.00	637.16	575.05	512.94	450.82	388.71	326.60	264.49	202.37	140.24	78.24	21.68	
4 3/4	697.72	635.86	573.75	511.64	449.53	387.42	325.30	263.19	201.08	138.94	76.94	20.59	
5	696.43	634.57	572.46	510.35	448.23	386.12	324.01	261.90	199.79	137.64	75.64	19.50	
5 1/4	695.14	633.28	571.16	509.05	446.94	384.83	322.72	260.60	198.49	136.34	74.34	18.41	
5 1/2	693.86	631.98	569.87	507.76	445.65	383.53	321.42	259.31	197.20	135.04	73.04	17.32	
5 3/4	692.57	630.68	568.58	506.46	444.35	382.24	320.13	258.02	195.90	133.74	71.74	16.23	
6	691.28	629.39	567.28	505.16	443.06	380.94	318.83	256.72	194.61	132.44	70.44	15.14	
6 1/4	690.00	628.10	565.99	503.86	441.76	379.65	317.54	255.43	193.31	131.14	69.14	14.05	
6 1/2	688.71	626.81	564.69	502.56	440.47	378.36	316.25	254.14	192.02	129.84	67.84	12.96	
6 3/4	687.42	625.51	563.40	501.25	439.18	377.06	314.95	252.84	190.73	128.54	66.54	11.87	
7	686.13	624.22	562.11	499.95	437.88	375.77	313.66	251.55	189.43	127.24	65.24	10.78	
7 1/4	684.85	622.92	560.81	498.70	436.59	374.48	312.36	250.25	188.14	125.94	63.94	9.69	
7 1/2	733.99	687.42	625.51	563.40	497.41	373.18	311.07	248.96	186.84	124.74	62.64	8.60	
7 3/4	732.74	686.13	624.22	562.11	496.11	371.89	309.78	247.66	185.54	123.44	61.34	7.51	
8	731.49	684.84	622.92	560.81	494.82	370.59	308.48	246.37	184.24	122.14	60.04	6.42	
8 1/4	730.24	683.55	621.63	559.52	493.52	369.30	307.19	245.08	182.94	120.84	58.74	5.33	
8 1/2	728.99	682.27	620.33	558.22	492.23	368.01	305.89	243.78	181.64	119.54	57.44	4.24	
8 3/4	727.74	680.98	619.04	556.93	490.94	366.71	304.60	242.49	180.34	118.24	56.14	3.15	
9	726.49	679.70	617.75	555.63	489.64	365.42	303.31	241.19	179.04	116.94	54.84	2.06	
9 1/4	725.24	678.41	616.45	554.34	488.34	364.12	302.01	239.89	177.74	115.64	53.54	0.97	
9 1/2	723.99	677.13	615.15	553.05	487.05	362.83	300.72	238.59	176.44	114.34	52.24	0.08	
9 3/4	722.74	675.84	613.87	551.75	485.76	361.54	300.42	237.29	175.14	113.04	50.94	0.00	
10	721.49	674.55	612.57	550.46	484.47	360.24	299.12	236.00	173.84	111.74	49.64	0.00	
10 1/4	720.24	673.27	611.28	549.17	483.17	358.94	297.82	234.70	172.54	110.44	48.34	0.00	
10 1/2	718.99	671.98	610.00	547.87	481.88	357.65	296.53	233.41	171.24	109.14	47.04	0.00	
10 3/4	717.74	670.69	608.65	546.58	480.58	356.36	295.24	232.11	170.04	107.84	45.74	0.00	
11	728.10	668.12	606.10	543.95	478.05	355.07	293.95	230.82	168.74	106.54	44.44	0.00	
11 1/4	726.60	666.83	604.81	542.70	476.76	353.78	292.66	229.53	167.44	105.24	43.14	0.00	
11 1/2	725.10	665.54	603.51	541.40	475.47	352.49	291.37	228.24	166.14	104.04	41.84	0.00	
11 3/4	723.55	664.26	602.22	540.11	474.18	351.19	290.07	226.95	164.84	102.74	40.54	0.00	
12	722.86	662.97	600.93	538.81	472.89	349.89	288.78	225.66	163.54	101.44	39.24	0.00	
12 1/4	721.29	661.68	599.63	537.52	471.60	348.60	287.48	224.37	162.24	100.14	37.94	0.00	

REFERENCE GAUGE HEIGHT: 14'-11 7/8" (TO RIM OF HATCH OPPOSITE HINGE, BETWEEN FILE MARKS)

CAPACITY IN: 42-GALLON BARRELS

STRAPPED: 1/9/64
REISSUED IN OUTAGE: 1/13/95

*VOLUME BELOW STRIKE POINT.
BARRELS PER INCH OF EXPANSION HATCH = .13

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.



INSPECTORATE

ISO 9002 ACCREDITED

BARGE "MOC II"

MAROLL, INC.

TANK NUMBER: 5 STAR.

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	15 FEET
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	720.97	659.54	597.49	535.39	473.30	411.20	349.10	287.00	224.91	162.81	100.75	40.66	0
1/2	719.79	658.25	596.20	534.10	472.00	409.91	347.81	285.71	223.61	161.52	99.46	39.58	0
3/4	718.62	656.97	594.90	532.81	470.71	408.61	346.51	284.42	222.32	160.22	98.17	38.49	0
1	717.44	655.68	593.61	531.51	469.42	407.32	345.22	283.12	221.03	158.93	96.88	37.41	0
1 1/4	716.15	654.39	592.32	530.22	468.12	406.02	344.93	281.83	219.73	157.63	95.61	36.33	0
1 1/2	714.86	653.11	591.02	528.93	466.83	404.73	343.63	280.54	218.44	156.34	94.33	35.24	0
1 3/4	713.58	651.82	589.73	527.63	465.53	403.44	342.34	279.24	217.14	155.05	93.05	34.16	0
2	712.29	650.53	588.44	526.34	464.24	402.14	341.05	277.95	215.85	153.75	91.77	33.07	0
2 1/4	711.00	649.24	587.14	525.05	462.95	400.85	339.75	276.65	214.56	152.46	90.49	31.99	0
2 1/2	709.72	647.95	585.85	523.75	461.65	399.56	337.46	275.36	213.26	151.17	89.22	30.90	0
2 3/4	708.43	646.65	584.56	522.46	460.36	398.26	336.16	274.07	211.97	149.87	87.94	29.82	0
3	707.14	645.36	583.26	521.16	459.07	396.97	334.87	272.77	210.68	148.58	86.66	28.74	0
3 1/4	705.86	644.07	581.97	519.87	457.77	395.68	333.58	271.48	209.38	147.28	85.38	27.65	0
3 1/2	704.57	642.77	580.67	518.58	456.48	394.38	332.28	270.19	208.09	145.99	84.11	26.57	0
3 3/4	703.28	641.48	579.38	517.28	455.19	393.09	330.99	268.89	206.79	144.70	82.83	25.48	0
4	702.00	640.18	578.09	515.99	453.89	391.79	329.70	267.60	205.50	143.40	81.56	24.40	0
4 1/4	700.71	638.89	576.79	514.70	452.60	390.49	328.40	266.31	204.21	142.11	80.28	23.31	0
4 1/2	699.42	637.60	575.50	513.40	451.30	389.21	327.11	265.01	202.91	140.82	79.01	22.23	0
4 3/4	698.14	636.30	574.21	512.11	450.01	387.91	325.82	263.72	201.62	139.52	77.73	21.15	0
5	696.85	635.01	572.91	510.81	448.72	386.62	324.52	262.42	200.33	138.23	76.46	20.06	0
5 1/4	695.57	633.72	571.62	509.52	447.42	385.33	323.23	261.13	199.03	136.94	75.18	19.01	0
5 1/2	694.28	632.42	570.32	508.23	446.14	384.04	321.93	259.84	197.74	135.64	73.91	17.95	0
5 3/4	692.99	631.13	569.03	506.93	444.84	382.74	320.64	258.54	196.44	134.35	72.63	16.90	0
6	691.71	629.83	567.74	505.64	443.54	381.44	319.35	257.25	195.15	133.05	71.36	15.84	0
6 1/4	690.42	628.54	566.44	504.35	442.25	380.15	318.05	255.96	193.86	131.76	70.08	14.86	0
6 1/2	689.13	627.25	565.15	503.05	440.95	378.86	316.76	254.66	192.56	130.47	68.80	13.88	0
6 3/4	687.85	625.95	563.86	501.76	439.66	377.56	315.47	253.37	191.27	129.17	67.53	12.91	0
7	686.56	624.66	562.56	500.46	438.37	376.27	314.17	252.07	189.98	127.88	66.25	11.94	0
7 1/4	685.27	623.37	561.27	499.17	437.07	374.98	312.88	250.78	188.68	126.59	64.99	11.06	0
7 1/2	683.99	622.07	559.98	497.88	435.78	373.68	311.58	249.49	187.39	125.29	63.73	10.19	0
7 3/4	682.70	620.78	558.68	496.58	434.49	372.39	310.29	248.19	186.10	124.00	62.47	9.31	0
8	681.41	619.49	557.39	495.29	433.19	371.09	309.00	246.90	184.80	122.70	61.21	8.44	0
8 1/4	680.13	618.19	556.09	494.00	431.90	369.80	307.70	245.60	183.51	121.41	59.95	7.69	0
8 1/2	678.84	616.90	554.80	492.70	430.61	368.51	306.41	244.31	182.21	120.12	58.69	6.94	0
8 3/4	677.55	615.60	553.51	491.41	429.31	367.21	305.12	243.02	180.92	118.82	57.43	6.20	0
9	676.27	614.31	552.21	490.12	428.02	365.92	303.82	241.72	179.63	117.53	56.17	5.45	0
9 1/4	674.98	613.02	550.92	488.82	426.72	364.63	302.53	240.43	178.33	116.24	54.91	4.85	0
9 1/2	673.69	611.72	549.63	487.53	425.43	363.33	301.24	239.14	177.04	114.94	53.65	4.24	0
9 3/4	672.41	610.43	548.33	486.23	424.14	362.04	300.94	237.84	175.75	113.65	52.39	3.64	0
10	671.12	609.14	547.04	484.94	422.84	360.75	299.65	236.55	174.45	112.35	51.13	3.04	0
10 1/4	669.83	607.84	545.74	483.65	421.55	359.45	297.35	235.26	173.16	111.06	49.87	2.62	0
10 1/2	668.55	606.55	544.45	482.35	420.26	358.16	296.06	233.96	171.87	109.77	48.61	2.20	0
10 3/4	667.26	605.26	543.16	481.06	418.96	356.86	294.77	232.67	170.57	108.47	47.34	1.78	0
11	665.97	603.96	541.86	479.77	417.67	355.57	293.47	231.38	169.28	107.18	46.08	1.36	0
11 1/4	664.69	602.67	540.57	478.47	416.37	354.28	292.18	230.08	167.98	105.89	44.80	1.10	0
11 1/2	663.40	601.37	539.28	477.18	415.08	352.99	290.89	228.79	166.69	104.61	43.52	0.84	0
11 3/4	662.11	600.08	537.98	475.88	413.79	351.69	289.59	227.49	165.40	103.32	42.23	0.57	0
12	660.83	598.79	536.69	474.59	412.49	350.40	288.30	226.20	164.10	102.03	41.75	0.31	0

REFERENCE GAUGE HEIGHT: 15'-0" (TO RIM OF HATCH OPPOSITE HINGE, BETWEEN FILE MARKS)

VOLUME BELOW STRIKE POINT: BARRELS PER INCH OF EXPANSION HATCH = .13

CAPACITY IN: 42-GALLON BARRELS

STRAPPED: 1/9/64 REISSUED IN OUTAGE: 1/13/95

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.