



BARGE "JDRF 22"

ULLAGE TRIM TABLE
FORMERLY "DBL 34"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
2 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-1/4	01-1/4
2 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8
3 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
3 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
4 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2

(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 4 CENTER IS - 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 4 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 1/2"

LENGTH BETWEEN DRAFT MARKS: 233'-06"

December 9, 2010

PRECISION MEASUREMENT
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 P.O. Box 2092
 Pearland, Texas 77588

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BARGE "JDRF 22"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 18'-00 3/8"

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	7.00	0	406.01	0	935.49	0	1,489.05	0	2,042.44	0	2,594.02	0	3,147.60	0	3,701.19	0	4,254.77	0	4,808.36
1/4	11.32	1/4	416.20	1/4	947.02	1/4	1,500.59	1/4	2,053.93	1/4	2,605.55	1/4	3,159.14	1/4	3,712.72	1/4	4,266.31	1/4	4,819.89
1/2	15.65	1/2	426.40	1/2	958.55	1/2	1,512.12	1/2	2,065.41	1/2	2,617.09	1/2	3,170.67	1/2	3,724.25	1/2	4,277.84	1/2	4,831.42
3/4	19.97	3/4	436.60	3/4	970.09	3/4	1,523.65	3/4	2,076.90	3/4	2,628.62	3/4	3,182.20	3/4	3,735.79	3/4	4,289.37	3/4	4,842.96
1	24.30	1	446.80	1	981.62	1	1,535.18	1	2,088.39	1	2,640.15	1	3,193.74	1	3,747.32	1	4,300.90	1	4,854.49
1/4	28.34	1/4	457.17	1/4	993.15	1/4	1,546.72	1/4	2,099.88	1/4	2,651.69	1/4	3,205.27	1/4	3,758.85	1/4	4,312.44	1/4	4,866.02
1/2	32.38	1/2	467.53	1/2	1,004.68	1/2	1,558.25	1/2	2,111.36	1/2	2,663.22	1/2	3,216.80	1/2	3,770.39	1/2	4,323.97	1/2	4,877.55
3/4	36.42	3/4	477.90	3/4	1,016.22	3/4	1,569.78	3/4	2,122.85	3/4	2,674.75	3/4	3,228.34	3/4	3,781.92	3/4	4,335.50	3/4	4,889.09
2	40.46	2	488.27	2	1,027.75	2	1,581.31	2	2,134.34	2	2,686.28	2	3,239.87	2	3,793.45	2	4,347.04	2	4,900.62
1/4	47.55	1/4	498.80	1/4	1,039.28	1/4	1,592.85	1/4	2,145.83	1/4	2,697.82	1/4	3,251.40	1/4	3,804.99	1/4	4,358.57	1/4	4,912.15
1/2	54.64	1/2	509.33	1/2	1,050.82	1/2	1,604.38	1/2	2,157.31	1/2	2,709.35	1/2	3,262.93	1/2	3,816.52	1/2	4,370.10	1/2	4,923.69
3/4	61.74	3/4	519.86	3/4	1,062.35	3/4	1,615.91	3/4	2,168.80	3/4	2,720.88	3/4	3,274.47	3/4	3,828.05	3/4	4,381.64	3/4	4,935.22
3	68.83	3	530.40	3	1,073.88	3	1,627.45	3	2,180.29	3	2,732.42	3	3,286.00	3	3,839.58	3	4,393.17	3	4,946.75
1/4	77.53	1/4	541.10	1/4	1,085.41	1/4	1,638.98	1/4	2,191.78	1/4	2,743.95	1/4	3,297.53	1/4	3,851.12	1/4	4,404.70	1/4	4,958.29
1/2	86.23	1/2	551.80	1/2	1,096.95	1/2	1,650.51	1/2	2,203.26	1/2	2,755.48	1/2	3,309.07	1/2	3,862.65	1/2	4,416.23	1/2	4,969.82
3/4	94.93	3/4	562.50	3/4	1,108.48	3/4	1,662.04	3/4	2,214.75	3/4	2,767.02	3/4	3,320.60	3/4	3,874.18	3/4	4,427.77	3/4	4,981.35
4	103.63	4	573.19	4	1,120.01	4	1,673.58	4	2,226.24	4	2,778.55	4	3,332.13	4	3,885.72	4	4,439.30	4	4,992.88
1/4	112.49	1/4	584.06	1/4	1,131.54	1/4	1,685.11	1/4	2,237.73	1/4	2,790.08	1/4	3,343.67	1/4	3,897.25	1/4	4,450.83	1/4	5,004.42
1/2	121.36	1/2	594.93	1/2	1,143.08	1/2	1,696.64	1/2	2,249.21	1/2	2,801.61	1/2	3,355.20	1/2	3,908.78	1/2	4,462.37	1/2	5,015.95
3/4	130.22	3/4	605.79	3/4	1,154.61	3/4	1,708.17	3/4	2,260.70	3/4	2,813.15	3/4	3,366.73	3/4	3,920.32	3/4	4,473.90	3/4	5,027.48
5	139.09	5	616.66	5	1,166.14	5	1,719.71	5	2,272.19	5	2,824.68	5	3,378.26	5	3,931.85	5	4,485.43	5	5,039.02
1/4	148.12	1/4	627.69	1/4	1,177.67	1/4	1,731.24	1/4	2,283.68	1/4	2,836.21	1/4	3,389.80	1/4	3,943.38	1/4	4,496.97	1/4	5,050.55
1/2	157.16	1/2	638.72	1/2	1,189.21	1/2	1,742.77	1/2	2,295.16	1/2	2,847.75	1/2	3,401.33	1/2	3,954.91	1/2	4,508.50	1/2	5,062.08
3/4	166.19	3/4	649.76	3/4	1,200.74	3/4	1,754.30	3/4	2,306.65	3/4	2,859.28	3/4	3,412.86	3/4	3,966.45	3/4	4,520.03	3/4	5,073.62
6	175.22	6	660.79	6	1,212.27	6	1,765.84	6	2,318.14	6	2,870.81	6	3,424.40	6	3,977.98	6	4,531.56	6	5,085.15
1/4	184.42	1/4	671.99	1/4	1,223.80	1/4	1,777.37	1/4	2,329.63	1/4	2,882.35	1/4	3,435.93	1/4	3,989.51	1/4	4,543.10	1/4	5,096.68
1/2	193.62	1/2	683.19	1/2	1,235.34	1/2	1,788.90	1/2	2,341.11	1/2	2,893.88	1/2	3,447.46	1/2	4,001.05	1/2	4,554.63	1/2	5,108.21
3/4	202.82	3/4	694.39	3/4	1,246.87	3/4	1,800.43	3/4	2,352.60	3/4	2,905.41	3/4	3,459.00	3/4	4,012.58	3/4	4,566.16	3/4	5,119.75
7	212.02	7	705.59	7	1,258.40	7	1,811.97	7	2,364.09	7	2,916.94	7	3,470.53	7	4,024.11	7	4,577.70	7	5,131.28
1/4	221.38	1/4	716.95	1/4	1,269.93	1/4	1,823.50	1/4	2,375.58	1/4	2,928.48	1/4	3,482.06	1/4	4,035.65	1/4	4,589.23	1/4	5,142.81
1/2	230.75	1/2	728.32	1/2	1,281.47	1/2	1,835.03	1/2	2,387.06	1/2	2,940.01	1/2	3,493.59	1/2	4,047.18	1/2	4,600.76	1/2	5,154.35
3/4	240.12	3/4	739.68	3/4	1,293.00	3/4	1,846.56	3/4	2,398.55	3/4	2,951.54	3/4	3,505.13	3/4	4,058.71	3/4	4,612.30	3/4	5,165.88
8	249.48	8	751.05	8	1,304.53	8	1,858.10	8	2,410.04	8	2,963.08	8	3,516.66	8	4,070.24	8	4,623.83	8	5,177.41
1/4	259.02	1/4	762.56	1/4	1,316.07	1/4	1,869.63	1/4	2,421.53	1/4	2,974.61	1/4	3,528.19	1/4	4,081.78	1/4	4,635.36	1/4	5,188.95
1/2	268.55	1/2	774.07	1/2	1,327.60	1/2	1,881.16	1/2	2,433.01	1/2	2,986.14	1/2	3,539.73	1/2	4,093.31	1/2	4,646.89	1/2	5,200.48
3/4	278.08	3/4	785.59	3/4	1,339.13	3/4	1,892.70	3/4	2,444.50	3/4	2,997.68	3/4	3,551.26	3/4	4,104.84	3/4	4,658.43	3/4	5,212.01
9	287.61	9	797.10	9	1,350.66	9	1,904.23	9	2,455.99	9	3,009.21	9	3,562.79	9	4,116.38	9	4,669.96	9	5,223.54
1/4	297.31	1/4	808.63	1/4	1,362.20	1/4	1,915.76	1/4	2,467.48	1/4	3,020.74	1/4	3,574.33	1/4	4,127.91	1/4	4,681.49	1/4	5,235.08
1/2	307.01	1/2	820.16	1/2	1,373.73	1/2	1,927.29	1/2	2,478.96	1/2	3,032.27	1/2	3,585.86	1/2	4,139.44	1/2	4,693.03	1/2	5,246.61
3/4	316.71	3/4	831.70	3/4	1,385.26	3/4	1,938.83	3/4	2,490.45	3/4	3,043.81	3/4	3,597.39	3/4	4,150.98	3/4	4,704.56	3/4	5,258.14
10	326.41	10	843.23	10	1,396.79	10	1,950.36	10	2,501.94	10	3,055.34	10	3,608.92	10	4,162.51	10	4,716.09	10	5,269.68
1/4	336.28	1/4	854.76	1/4	1,408.33	1/4	1,961.89	1/4	2,513.43	1/4	3,066.87	1/4	3,620.46	1/4	4,174.04	1/4	4,727.63	1/4	5,281.21
1/2	346.14	1/2	866.29	1/2	1,419.86	1/2	1,973.42	1/2	2,524.91	1/2	3,078.41	1/2	3,631.99	1/2	4,185.57	1/2	4,739.16	1/2	5,292.74
3/4	356.01	3/4	877.83	3/4	1,431.39	3/4	1,984.96	3/4	2,536.40	3/4	3,089.94	3/4	3,643.52	3/4	4,197.11	3/4	4,750.69	3/4	5,304.28
11	365.87	11	889.36	11	1,442.92	11	1,996.49	11	2,547.89	11	3,101.47	11	3,655.06	11	4,208.64	11	4,762.22	11	5,315.81
1/4	375.91	1/4	900.89	1/4	1,454.46	1/4	2,007.98	1/4	2,559.42	1/4	3,113.01	1/4	3,666.59	1/4	4,220.17	1/4	4,773.76	1/4	5,327.34
1/2	385.94	1/2	912.42	1/2	1,465.99	1/2	2,019.46	1/2	2,570.95	1/2	3,124.54	1/2	3,678.12	1/2	4,231.71	1/2	4,785.29	1/2	5,338.87
3/4	395.97	3/4	923.96	3/4	1,477.52	3/4	2,030.95	3/4	2,582.49	3/4	3,136.07	3/4	3,689.66	3/4	4,243.24	3/4	4,796.82	3/4	5,350.41

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER GAUGE HATCH.
 GAUGE POINT: (10" MANUAL) LOCATED 3'-04" OFF CENTERLINE AND 37'-07 1/2" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "JDRF 22"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 18'-00 3/8"

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	5,361.94	0	5,915.53	0	6,469.21	0	7,021.12	0	7,571.28	0	8,002.95	0		0		0		0	
1/4	5,373.47	1/4	5,927.07	1/4	6,480.74	1/4	7,032.58	1/4	7,582.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,385.01	1/2	5,938.60	1/2	6,492.28	1/2	7,044.05	1/2	7,594.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,396.54	3/4	5,950.14	3/4	6,503.81	3/4	7,055.51	3/4	7,605.66	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	5,408.07	1	5,961.67	1	6,515.35	1	7,066.97	1	7,617.13	1		1	1	1	1	1	1	1	1
1/4	5,419.61	1/4	5,973.21	1/4	6,526.88	1/4	7,078.43	1/4	7,628.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,431.14	1/2	5,984.74	1/2	6,538.42	1/2	7,089.89	1/2	7,640.05	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,442.67	3/4	5,996.28	3/4	6,549.95	3/4	7,101.35	3/4	7,651.51	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	5,454.20	2	6,007.81	2	6,561.49	2	7,112.82	2	7,662.97	2		2	2	2	2	2	2	2	2
1/4	5,465.74	1/4	6,019.35	1/4	6,573.02	1/4	7,124.28	1/4	7,674.43	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,477.27	1/2	6,030.88	1/2	6,584.56	1/2	7,135.74	1/2	7,685.90	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,488.80	3/4	6,042.42	3/4	6,596.09	3/4	7,147.20	3/4	7,697.36	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	5,500.34	3	6,053.95	3	6,607.63	3	7,158.66	3	7,708.82	3		3	3	3	3	3	3	3	3
1/4	5,511.87	1/4	6,065.49	1/4	6,619.16	1/4	7,170.12	1/4	7,720.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,523.40	1/2	6,077.02	1/2	6,630.70	1/2	7,181.59	1/2	7,731.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,534.94	3/4	6,088.56	3/4	6,642.23	3/4	7,193.05	3/4	7,743.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	5,546.47	4	6,100.09	4	6,653.77	4	7,204.51	4	7,754.67	4		4	4	4	4	4	4	4	4
1/4	5,558.00	1/4	6,111.63	1/4	6,665.30	1/4	7,215.97	1/4	7,766.13	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,569.53	1/2	6,123.16	1/2	6,676.84	1/2	7,227.43	1/2	7,777.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,581.07	3/4	6,134.70	3/4	6,688.37	3/4	7,238.89	3/4	7,789.05	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5,592.60	5	6,146.23	5	6,699.91	5	7,250.36	5	7,800.51	5		5	5	5	5	5	5	5	5
1/4	5,604.13	1/4	6,157.76	1/4	6,711.44	1/4	7,261.82	1/4	7,811.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,615.67	1/2	6,169.30	1/2	6,722.98	1/2	7,273.28	1/2	7,823.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,627.20	3/4	6,180.83	3/4	6,734.51	3/4	7,284.74	3/4	7,834.90	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	5,638.73	6	6,192.37	6	6,746.04	6	7,296.20	6	7,846.36	6		6	6	6	6	6	6	6	6
1/4	5,650.27	1/4	6,203.90	1/4	6,757.51	1/4	7,307.66	1/4	7,857.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,661.80	1/2	6,215.44	1/2	6,768.97	1/2	7,319.12	1/2	7,869.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,673.33	3/4	6,226.97	3/4	6,780.43	3/4	7,330.59	3/4	7,880.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	5,684.86	7	6,238.51	7	6,791.89	7	7,342.05	7	7,892.20	7		7	7	7	7	7	7	7	7
1/4	5,696.40	1/4	6,250.04	1/4	6,803.35	1/4	7,353.51	1/4	7,901.59	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,707.93	1/2	6,261.58	1/2	6,814.81	1/2	7,364.97	1/2	7,910.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,719.46	3/4	6,273.11	3/4	6,826.28	3/4	7,376.43	3/4	7,920.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	5,731.00	8	6,284.65	8	6,837.74	8	7,387.89	8	7,929.73	8		8	8	8	8	8	8	8	8
1/4	5,742.53	1/4	6,296.18	1/4	6,849.20	1/4	7,399.36	1/4	7,937.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,754.06	1/2	6,307.72	1/2	6,860.66	1/2	7,410.82	1/2	7,944.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,765.60	3/4	6,319.25	3/4	6,872.12	3/4	7,422.28	3/4	7,952.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	5,777.13	9	6,330.79	9	6,883.58	9	7,433.74	9	7,959.57	9		9	9	9	9	9	9	9	9
1/4	5,788.66	1/4	6,342.32	1/4	6,895.05	1/4	7,445.20	1/4	7,965.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,800.19	1/2	6,353.86	1/2	6,906.51	1/2	7,456.66	1/2	7,970.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,811.73	3/4	6,365.39	3/4	6,917.97	3/4	7,468.13	3/4	7,976.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	5,823.26	10	6,376.93	10	6,929.43	10	7,479.59	10	7,981.72	10		10	10	10	10	10	10	10	10
1/4	5,834.79	1/4	6,388.46	1/4	6,940.89	1/4	7,491.05	1/4	7,985.34	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,846.33	1/2	6,400.00	1/2	6,952.35	1/2	7,502.51	1/2	7,988.95	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,857.86	3/4	6,411.53	3/4	6,963.82	3/4	7,513.97	3/4	7,992.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	5,869.39	11	6,423.07	11	6,975.28	11	7,525.43	11	7,996.18	11		11	11	11	11	11	11	11	11
1/4	5,880.93	1/4	6,434.60	1/4	6,986.74	1/4	7,536.90	1/4	7,997.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5,892.46	1/2	6,446.14	1/2	6,998.20	1/2	7,548.36	1/2	7,999.57	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	5,904.00	3/4	6,457.67	3/4	7,009.66	3/4	7,559.82	3/4	8,001.26	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2010 CL - SW
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REPRINTED: 12/09/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2010

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



BARGE "JDRF 22"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 17'-08"

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	19.10	0	284.93	0	557.59	0	830.43	0	1,103.37	0	1,376.32	0	1,649.26	0	1,922.20	0	2,195.14	0	2,468.08
1/4	23.36	1/4	290.61	1/4	563.27	1/4	836.12	1/4	1,109.06	1/4	1,382.00	1/4	1,654.94	1/4	1,927.89	1/4	2,200.83	1/4	2,473.77
1/2	27.63	1/2	296.30	1/2	568.96	1/2	841.80	1/2	1,114.75	1/2	1,387.69	1/2	1,660.63	1/2	1,933.57	1/2	2,206.52	1/2	2,479.46
3/4	31.89	3/4	301.99	3/4	574.64	3/4	847.49	3/4	1,120.43	3/4	1,393.37	3/4	1,666.32	3/4	1,939.26	3/4	2,212.20	3/4	2,485.14
1	36.16	1	307.67	1	580.33	1	853.18	1	1,126.12	1	1,399.06	1	1,672.00	1	1,944.95	1	2,217.89	1	2,490.83
1/4	41.49	1/4	313.36	1/4	586.01	1/4	858.86	1/4	1,131.80	1/4	1,404.75	1/4	1,677.69	1/4	1,950.63	1/4	2,223.57	1/4	2,496.52
1/2	46.82	1/2	319.04	1/2	591.70	1/2	864.55	1/2	1,137.49	1/2	1,410.43	1/2	1,683.38	1/2	1,956.32	1/2	2,229.26	1/2	2,502.20
3/4	52.15	3/4	324.72	3/4	597.38	3/4	870.23	3/4	1,143.18	3/4	1,416.12	3/4	1,689.06	3/4	1,962.00	3/4	2,234.95	3/4	2,507.89
2	57.48	2	330.41	2	603.06	2	875.92	2	1,148.86	2	1,421.81	2	1,694.75	2	1,967.69	2	2,240.63	2	2,513.58
1/4	63.17	1/4	336.09	1/4	608.75	1/4	881.61	1/4	1,154.55	1/4	1,427.49	1/4	1,700.43	1/4	1,973.38	1/4	2,246.32	1/4	2,519.26
1/2	68.86	1/2	341.77	1/2	614.43	1/2	887.29	1/2	1,160.24	1/2	1,433.18	1/2	1,706.12	1/2	1,979.06	1/2	2,252.01	1/2	2,524.95
3/4	74.54	3/4	347.45	3/4	620.12	3/4	892.98	3/4	1,165.92	3/4	1,438.86	3/4	1,711.81	3/4	1,984.75	3/4	2,257.69	3/4	2,530.63
3	80.23	3	353.13	3	625.80	3	898.67	3	1,171.61	3	1,444.55	3	1,717.49	3	1,990.44	3	2,263.38	3	2,536.32
1/4	85.91	1/4	358.81	1/4	631.48	1/4	904.35	1/4	1,177.29	1/4	1,450.24	1/4	1,723.18	1/4	1,996.12	1/4	2,269.06	1/4	2,542.01
1/2	91.60	1/2	364.48	1/2	637.17	1/2	910.04	1/2	1,182.98	1/2	1,455.92	1/2	1,728.87	1/2	2,001.81	1/2	2,274.75	1/2	2,547.69
3/4	97.29	3/4	370.16	3/4	642.85	3/4	915.72	3/4	1,188.67	3/4	1,461.61	3/4	1,734.55	3/4	2,007.49	3/4	2,280.44	3/4	2,553.38
4	102.97	4	375.84	4	648.54	4	921.41	4	1,194.35	4	1,467.30	4	1,740.24	4	2,013.18	4	2,286.12	4	2,559.07
1/4	108.66	1/4	381.52	1/4	654.22	1/4	927.10	1/4	1,200.04	1/4	1,472.98	1/4	1,745.92	1/4	2,018.87	1/4	2,291.81	1/4	2,564.75
1/2	114.34	1/2	387.20	1/2	659.90	1/2	932.78	1/2	1,205.73	1/2	1,478.67	1/2	1,751.61	1/2	2,024.55	1/2	2,297.50	1/2	2,570.44
3/4	120.03	3/4	392.88	3/4	665.59	3/4	938.47	3/4	1,211.41	3/4	1,484.36	3/4	1,757.30	3/4	2,030.24	3/4	2,303.18	3/4	2,576.12
5	125.72	5	398.55	5	671.27	5	944.16	5	1,217.10	5	1,490.04	5	1,762.98	5	2,035.93	5	2,308.87	5	2,581.81
1/4	131.40	1/4	404.23	1/4	676.96	1/4	949.84	1/4	1,222.79	1/4	1,495.73	1/4	1,768.67	1/4	2,041.61	1/4	2,314.55	1/4	2,587.50
1/2	137.09	1/2	409.91	1/2	682.64	1/2	955.53	1/2	1,228.47	1/2	1,501.41	1/2	1,774.36	1/2	2,047.30	1/2	2,320.24	1/2	2,593.18
3/4	142.78	3/4	415.59	3/4	688.32	3/4	961.22	3/4	1,234.16	3/4	1,507.10	3/4	1,780.04	3/4	2,052.99	3/4	2,325.93	3/4	2,598.87
6	148.46	6	421.27	6	694.01	6	966.90	6	1,239.84	6	1,512.79	6	1,785.73	6	2,058.67	6	2,331.61	6	2,604.56
1/4	154.15	1/4	426.95	1/4	699.69	1/4	972.59	1/4	1,245.53	1/4	1,518.47	1/4	1,791.42	1/4	2,064.36	1/4	2,337.30	1/4	2,610.24
1/2	159.83	1/2	432.62	1/2	705.38	1/2	978.27	1/2	1,251.22	1/2	1,524.16	1/2	1,797.10	1/2	2,070.04	1/2	2,342.99	1/2	2,615.93
3/4	165.52	3/4	438.30	3/4	711.06	3/4	983.96	3/4	1,256.90	3/4	1,529.85	3/4	1,802.79	3/4	2,075.73	3/4	2,348.67	3/4	2,621.61
7	171.21	7	443.98	7	716.75	7	989.65	7	1,262.59	7	1,535.53	7	1,808.47	7	2,081.42	7	2,354.36	7	2,627.30
1/4	176.89	1/4	449.66	1/4	722.43	1/4	995.33	1/4	1,268.28	1/4	1,541.22	1/4	1,814.16	1/4	2,087.10	1/4	2,360.05	1/4	2,632.99
1/2	182.58	1/2	455.34	1/2	728.11	1/2	1,001.02	1/2	1,273.96	1/2	1,546.90	1/2	1,819.85	1/2	2,092.79	1/2	2,365.73	1/2	2,638.67
3/4	188.26	3/4	461.02	3/4	733.80	3/4	1,006.71	3/4	1,279.65	3/4	1,552.59	3/4	1,825.53	3/4	2,098.48	3/4	2,371.42	3/4	2,644.36
8	193.95	8	466.69	8	739.48	8	1,012.39	8	1,285.33	8	1,558.28	8	1,831.22	8	2,104.16	8	2,377.10	8	2,650.05
1/4	199.64	1/4	472.37	1/4	745.17	1/4	1,018.08	1/4	1,291.02	1/4	1,563.96	1/4	1,836.91	1/4	2,109.85	1/4	2,382.79	1/4	2,655.73
1/2	205.32	1/2	478.05	1/2	750.85	1/2	1,023.76	1/2	1,296.71	1/2	1,569.65	1/2	1,842.59	1/2	2,115.53	1/2	2,388.48	1/2	2,661.42
3/4	211.01	3/4	483.73	3/4	756.53	3/4	1,029.45	3/4	1,302.39	3/4	1,575.34	3/4	1,848.28	3/4	2,121.22	3/4	2,394.16	3/4	2,667.11
9	216.69	9	489.41	9	762.22	9	1,035.14	9	1,308.08	9	1,581.02	9	1,853.96	9	2,126.91	9	2,399.85	9	2,672.79
1/4	222.38	1/4	495.09	1/4	767.90	1/4	1,040.82	1/4	1,313.77	1/4	1,586.71	1/4	1,859.65	1/4	2,132.59	1/4	2,405.54	1/4	2,678.48
1/2	228.07	1/2	500.77	1/2	773.59	1/2	1,046.51	1/2	1,319.45	1/2	1,592.39	1/2	1,865.34	1/2	2,138.28	1/2	2,411.22	1/2	2,684.16
3/4	233.75	3/4	506.44	3/4	779.27	3/4	1,052.20	3/4	1,325.14	3/4	1,598.08	3/4	1,871.02	3/4	2,143.97	3/4	2,416.91	3/4	2,689.85
10	239.44	10	512.12	10	784.95	10	1,057.88	10	1,330.82	10	1,603.77	10	1,876.71	10	2,149.65	10	2,422.59	10	2,695.54
1/4	245.13	1/4	517.81	1/4	790.64	1/4	1,063.57	1/4	1,336.51	1/4	1,609.45	1/4	1,882.40	1/4	2,155.34	1/4	2,428.28	1/4	2,701.22
1/2	250.81	1/2	523.49	1/2	796.32	1/2	1,069.26	1/2	1,342.20	1/2	1,615.14	1/2	1,888.08	1/2	2,161.02	1/2	2,433.97	1/2	2,706.91
3/4	256.50	3/4	529.17	3/4	802.01	3/4	1,074.94	3/4	1,347.88	3/4	1,620.83	3/4	1,893.77	3/4	2,166.71	3/4	2,439.65	3/4	2,712.60
11	262.18	11	534.85	11	807.69	11	1,080.63	11	1,353.57	11	1,626.51	11	1,899.45	11	2,172.40	11	2,445.34	11	2,718.28
1/4	267.87	1/4	540.54	1/4	813.38	1/4	1,086.31	1/4	1,359.26	1/4	1,632.20	1/4	1,905.14	1/4	2,178.08	1/4	2,451.03	1/4	2,723.97
1/2	273.56	1/2	546.22	1/2	819.06	1/2	1,092.00	1/2	1,364.94	1/2	1,637.89	1/2	1,910.83	1/2	2,183.77	1/2	2,456.71	1/2	2,729.65
3/4	279.24	3/4	551.91	3/4	824.75	3/4	1,097.69	3/4	1,370.63	3/4	1,643.57	3/4	1,916.51	3/4	2,189.46	3/4	2,462.40	3/4	2,735.34

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER GAUGE HATCH.

GAUGE POINT: (10" MANUAL) LOCATED 11'-03" OFF CENTERLINE AND 28'-10" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "JDRF 22"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 17'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,741.03	0	3,013.97	0	3,286.91	0	3,558.78	0	3,830.00	0		0		0		0		0	
1/4	2,746.71	1/4	3,019.66	1/4	3,292.60	1/4	3,564.43	1/4	3,835.65	1/4		1/4		1/4		1/4		1/4	
1/2	2,752.40	1/2	3,025.34	1/2	3,298.28	1/2	3,570.08	1/2	3,841.30	1/2		1/2		1/2		1/2		1/2	
3/4	2,758.09	3/4	3,031.03	3/4	3,303.97	3/4	3,575.73	3/4	3,846.95	3/4		3/4		3/4		3/4		3/4	
1	2,763.77	1	3,036.71	1	3,309.66	1	3,581.38	1	3,852.60	1		1		1		1		1	
1/4	2,769.46	1/4	3,042.40	1/4	3,315.34	1/4	3,587.03	1/4	3,858.25	1/4		1/4		1/4		1/4		1/4	
1/2	2,775.15	1/2	3,048.09	1/2	3,321.03	1/2	3,592.68	1/2	3,863.90	1/2		1/2		1/2		1/2		1/2	
3/4	2,780.83	3/4	3,053.77	3/4	3,326.72	3/4	3,598.33	3/4	3,869.55	3/4		3/4		3/4		3/4		3/4	
2	2,786.52	2	3,059.46	2	3,332.40	2	3,603.98	2	3,875.20	2		2		2		2		2	
1/4	2,792.20	1/4	3,065.15	1/4	3,338.09	1/4	3,609.63	1/4	3,880.85	1/4		1/4		1/4		1/4		1/4	
1/2	2,797.89	1/2	3,070.83	1/2	3,343.78	1/2	3,615.28	1/2	3,886.50	1/2		1/2		1/2		1/2		1/2	
3/4	2,803.58	3/4	3,076.52	3/4	3,349.46	3/4	3,620.93	3/4	3,892.15	3/4		3/4		3/4		3/4		3/4	
3	2,809.26	3	3,082.21	3	3,355.15	3	3,626.58	3	3,897.80	3		3		3		3		3	
1/4	2,814.95	1/4	3,087.89	1/4	3,360.83	1/4	3,632.23	1/4	3,903.45	1/4		1/4		1/4		1/4		1/4	
1/2	2,820.64	1/2	3,093.58	1/2	3,366.52	1/2	3,637.88	1/2	3,909.10	1/2		1/2		1/2		1/2		1/2	
3/4	2,826.32	3/4	3,099.26	3/4	3,372.21	3/4	3,643.53	3/4	3,914.75	3/4		3/4		3/4		3/4		3/4	
4	2,832.01	4	3,104.95	4	3,377.89	4	3,649.18	4	3,920.40	4		4		4		4		4	
1/4	2,837.69	1/4	3,110.64	1/4	3,383.56	1/4	3,654.83	1/4	3,926.05	1/4		1/4		1/4		1/4		1/4	
1/2	2,843.38	1/2	3,116.32	1/2	3,389.23	1/2	3,660.48	1/2	3,931.70	1/2		1/2		1/2		1/2		1/2	
3/4	2,849.07	3/4	3,122.01	3/4	3,394.90	3/4	3,666.14	3/4	3,937.35	3/4		3/4		3/4		3/4		3/4	
5	2,854.75	5	3,127.70	5	3,400.57	5	3,671.79	5	3,943.00	5		5		5		5		5	
1/4	2,860.44	1/4	3,133.38	1/4	3,406.22	1/4	3,677.44	1/4	3,948.17	1/4		1/4		1/4		1/4		1/4	
1/2	2,866.13	1/2	3,139.07	1/2	3,411.87	1/2	3,683.09	1/2	3,953.33	1/2		1/2		1/2		1/2		1/2	
3/4	2,871.81	3/4	3,144.75	3/4	3,417.52	3/4	3,688.74	3/4	3,958.50	3/4		3/4		3/4		3/4		3/4	
6	2,877.50	6	3,150.44	6	3,423.17	6	3,694.39	6	3,963.66	6		6		6		6		6	
1/4	2,883.18	1/4	3,156.13	1/4	3,428.82	1/4	3,700.04	1/4	3,967.87	1/4		1/4		1/4		1/4		1/4	
1/2	2,888.87	1/2	3,161.81	1/2	3,434.47	1/2	3,705.69	1/2	3,972.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,894.56	3/4	3,167.50	3/4	3,440.12	3/4	3,711.34	3/4	3,976.28	3/4		3/4		3/4		3/4		3/4	
7	2,900.24	7	3,173.19	7	3,445.77	7	3,716.99	7	3,980.49	7		7		7		7		7	
1/4	2,905.93	1/4	3,178.87	1/4	3,451.42	1/4	3,722.64	1/4	3,983.75	1/4		1/4		1/4		1/4		1/4	
1/2	2,911.62	1/2	3,184.56	1/2	3,457.07	1/2	3,728.29	1/2	3,987.01	1/2		1/2		1/2		1/2		1/2	
3/4	2,917.30	3/4	3,190.24	3/4	3,462.72	3/4	3,733.94	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,922.99	8	3,195.93	8	3,468.37	8	3,739.59	8		8		8		8		8		8	
1/4	2,928.68	1/4	3,201.62	1/4	3,474.02	1/4	3,745.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,934.36	1/2	3,207.30	1/2	3,479.67	1/2	3,750.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,940.05	3/4	3,212.99	3/4	3,485.32	3/4	3,756.54	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,945.73	9	3,218.68	9	3,490.97	9	3,762.19	9		9		9		9		9		9	
1/4	2,951.42	1/4	3,224.36	1/4	3,496.62	1/4	3,767.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,957.11	1/2	3,230.05	1/2	3,502.27	1/2	3,773.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,962.79	3/4	3,235.74	3/4	3,507.92	3/4	3,779.14	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,968.48	10	3,241.42	10	3,513.57	10	3,784.79	10		10		10		10		10		10	
1/4	2,974.17	1/4	3,247.11	1/4	3,519.22	1/4	3,790.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,979.85	1/2	3,252.79	1/2	3,524.88	1/2	3,796.09	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,985.54	3/4	3,258.48	3/4	3,530.53	3/4	3,801.74	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,991.22	11	3,264.17	11	3,536.18	11	3,807.40	11		11		11		11		11		11	
1/4	2,996.91	1/4	3,269.85	1/4	3,541.83	1/4	3,813.05	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,002.60	1/2	3,275.54	1/2	3,547.48	1/2	3,818.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,008.28	3/4	3,281.23	3/4	3,553.13	3/4	3,824.35	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2010 CL - SW
 RECALCULATED: 12/09/2010 CL
 REPRINTED: 12/09/2010 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2010

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



BARGE "JDRF 22"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 17'-07 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	19.79	0	295.51	0	578.60	0	860.55	0	1,132.94	0	1,416.04	0	1,699.14	0	1,982.24	0	2,265.34	0	2,548.43
1/4	24.21	1/4	301.41	1/4	584.50	1/4	866.20	1/4	1,138.84	1/4	1,421.94	1/4	1,705.04	1/4	1,988.13	1/4	2,271.23	1/4	2,554.33
1/2	28.64	1/2	307.31	1/2	590.40	1/2	871.86	1/2	1,144.73	1/2	1,427.83	1/2	1,710.93	1/2	1,994.03	1/2	2,277.13	1/2	2,560.23
3/4	33.06	3/4	313.20	3/4	596.29	3/4	877.51	3/4	1,150.63	3/4	1,433.73	3/4	1,716.83	3/4	1,999.93	3/4	2,283.03	3/4	2,566.13
1	37.48	1	319.10	1	602.19	1	883.16	1	1,156.53	1	1,439.63	1	1,722.73	1	2,005.83	1	2,288.93	1	2,572.03
1/4	43.01	1/4	325.00	1/4	608.09	1/4	888.82	1/4	1,162.43	1/4	1,445.53	1/4	1,728.63	1/4	2,011.73	1/4	2,294.83	1/4	2,577.92
1/2	48.54	1/2	330.90	1/2	613.98	1/2	894.47	1/2	1,168.33	1/2	1,451.43	1/2	1,734.52	1/2	2,017.62	1/2	2,300.72	1/2	2,583.82
3/4	54.07	3/4	336.79	3/4	619.88	3/4	900.12	3/4	1,174.22	3/4	1,457.32	3/4	1,740.42	3/4	2,023.52	3/4	2,306.62	3/4	2,589.72
2	59.60	2	342.69	2	625.77	2	905.78	2	1,180.12	2	1,463.22	2	1,746.32	2	2,029.42	2	2,312.52	2	2,595.62
1/4	65.50	1/4	348.59	1/4	631.66	1/4	911.43	1/4	1,186.02	1/4	1,469.12	1/4	1,752.22	1/4	2,035.32	1/4	2,318.42	1/4	2,601.52
1/2	71.40	1/2	354.49	1/2	637.55	1/2	917.08	1/2	1,191.92	1/2	1,475.02	1/2	1,758.12	1/2	2,041.22	1/2	2,324.31	1/2	2,607.41
3/4	77.30	3/4	360.38	3/4	643.45	3/4	922.74	3/4	1,197.82	3/4	1,480.92	3/4	1,764.01	3/4	2,047.11	3/4	2,330.21	3/4	2,613.31
3	83.19	3	366.28	3	649.34	3	928.39	3	1,203.71	3	1,486.81	3	1,769.91	3	2,053.01	3	2,336.11	3	2,619.21
1/4	89.09	1/4	372.18	1/4	655.23	1/4	934.04	1/4	1,209.61	1/4	1,492.71	1/4	1,775.81	1/4	2,058.91	1/4	2,342.01	1/4	2,625.11
1/2	94.99	1/2	378.08	1/2	661.12	1/2	939.70	1/2	1,215.51	1/2	1,498.61	1/2	1,781.71	1/2	2,064.81	1/2	2,347.91	1/2	2,631.01
3/4	100.89	3/4	383.98	3/4	667.01	3/4	945.35	3/4	1,221.41	3/4	1,504.51	3/4	1,787.61	3/4	2,070.71	3/4	2,353.80	3/4	2,636.90
4	106.78	4	389.87	4	672.91	4	951.00	4	1,227.31	4	1,510.40	4	1,793.50	4	2,076.60	4	2,359.70	4	2,642.80
1/4	112.68	1/4	395.77	1/4	678.80	1/4	956.66	1/4	1,233.20	1/4	1,516.30	1/4	1,799.40	1/4	2,082.50	1/4	2,365.60	1/4	2,648.70
1/2	118.58	1/2	401.67	1/2	684.69	1/2	962.31	1/2	1,239.10	1/2	1,522.20	1/2	1,805.30	1/2	2,088.40	1/2	2,371.50	1/2	2,654.60
3/4	124.48	3/4	407.57	3/4	690.58	3/4	967.96	3/4	1,245.00	3/4	1,528.10	3/4	1,811.20	3/4	2,094.30	3/4	2,377.40	3/4	2,660.50
5	130.37	5	413.46	5	696.48	5	973.62	5	1,250.90	5	1,534.00	5	1,817.10	5	2,100.19	5	2,383.29	5	2,666.39
1/4	136.27	1/4	419.36	1/4	702.37	1/4	979.27	1/4	1,256.79	1/4	1,539.89	1/4	1,822.99	1/4	2,106.09	1/4	2,389.19	1/4	2,672.29
1/2	142.17	1/2	425.26	1/2	708.26	1/2	984.92	1/2	1,262.69	1/2	1,545.79	1/2	1,828.89	1/2	2,111.99	1/2	2,395.09	1/2	2,678.19
3/4	148.07	3/4	431.16	3/4	714.15	3/4	990.57	3/4	1,268.59	3/4	1,551.69	3/4	1,834.79	3/4	2,117.89	3/4	2,400.99	3/4	2,684.09
6	153.97	6	437.05	6	720.04	6	996.23	6	1,274.49	6	1,557.59	6	1,840.69	6	2,123.79	6	2,406.89	6	2,689.98
1/4	159.86	1/4	442.95	1/4	725.94	1/4	1,001.88	1/4	1,280.39	1/4	1,563.49	1/4	1,846.58	1/4	2,129.68	1/4	2,412.78	1/4	2,695.88
1/2	165.76	1/2	448.85	1/2	731.83	1/2	1,007.53	1/2	1,286.28	1/2	1,569.38	1/2	1,852.48	1/2	2,135.58	1/2	2,418.68	1/2	2,701.78
3/4	171.66	3/4	454.75	3/4	737.72	3/4	1,013.19	3/4	1,292.18	3/4	1,575.28	3/4	1,858.38	3/4	2,141.48	3/4	2,424.58	3/4	2,707.68
7	177.56	7	460.65	7	743.61	7	1,018.84	7	1,298.08	7	1,581.18	7	1,864.28	7	2,147.38	7	2,430.48	7	2,713.58
1/4	183.45	1/4	466.54	1/4	749.50	1/4	1,024.50	1/4	1,303.98	1/4	1,587.08	1/4	1,870.18	1/4	2,153.28	1/4	2,436.37	1/4	2,719.47
1/2	189.35	1/2	472.44	1/2	755.40	1/2	1,030.15	1/2	1,309.88	1/2	1,592.98	1/2	1,876.07	1/2	2,159.17	1/2	2,442.27	1/2	2,725.37
3/4	195.25	3/4	478.34	3/4	761.29	3/4	1,035.80	3/4	1,315.77	3/4	1,598.87	3/4	1,881.97	3/4	2,165.07	3/4	2,448.17	3/4	2,731.27
8	201.15	8	484.24	8	767.18	8	1,041.46	8	1,321.67	8	1,604.77	8	1,887.87	8	2,170.97	8	2,454.07	8	2,737.17
1/4	207.04	1/4	490.13	1/4	773.07	1/4	1,047.12	1/4	1,327.57	1/4	1,610.67	1/4	1,893.77	1/4	2,176.87	1/4	2,459.97	1/4	2,743.07
1/2	212.94	1/2	496.03	1/2	778.96	1/2	1,052.77	1/2	1,333.47	1/2	1,616.57	1/2	1,899.67	1/2	2,182.77	1/2	2,465.86	1/2	2,748.96
3/4	218.84	3/4	501.93	3/4	784.86	3/4	1,058.43	3/4	1,339.37	3/4	1,622.46	3/4	1,905.56	3/4	2,188.66	3/4	2,471.76	3/4	2,754.86
9	224.74	9	507.83	9	790.75	9	1,064.09	9	1,345.26	9	1,628.36	9	1,911.46	9	2,194.56	9	2,477.66	9	2,760.76
1/4	230.64	1/4	513.73	1/4	796.64	1/4	1,069.74	1/4	1,351.16	1/4	1,634.26	1/4	1,917.36	1/4	2,200.46	1/4	2,483.56	1/4	2,766.66
1/2	236.53	1/2	519.62	1/2	802.54	1/2	1,075.40	1/2	1,357.06	1/2	1,640.16	1/2	1,923.26	1/2	2,206.36	1/2	2,489.46	1/2	2,772.56
3/4	242.43	3/4	525.52	3/4	808.43	3/4	1,081.06	3/4	1,362.96	3/4	1,646.06	3/4	1,929.16	3/4	2,212.25	3/4	2,495.35	3/4	2,778.45
10	248.33	10	531.42	10	814.33	10	1,086.72	10	1,368.86	10	1,651.95	10	1,935.05	10	2,218.15	10	2,501.25	10	2,784.35
1/4	254.23	1/4	537.32	1/4	820.17	1/4	1,092.43	1/4	1,374.75	1/4	1,657.85	1/4	1,940.95	1/4	2,224.05	1/4	2,507.15	1/4	2,790.25
1/2	260.12	1/2	543.21	1/2	826.00	1/2	1,098.15	1/2	1,380.65	1/2	1,663.75	1/2	1,946.85	1/2	2,229.95	1/2	2,513.05	1/2	2,796.15
3/4	266.02	3/4	549.11	3/4	831.84	3/4	1,103.87	3/4	1,386.55	3/4	1,669.65	3/4	1,952.75	3/4	2,235.85	3/4	2,518.95	3/4	2,802.04
11	271.92	11	555.01	11	837.68	11	1,109.59	11	1,392.45	11	1,675.55	11	1,958.64	11	2,241.74	11	2,524.84	11	2,807.94
1/4	277.82	1/4	560.91	1/4	843.40	1/4	1,115.43	1/4	1,398.34	1/4	1,681.44	1/4	1,964.54	1/4	2,247.64	1/4	2,530.74	1/4	2,813.84
1/2	283.71	1/2	566.80	1/2	849.11	1/2	1,121.26	1/2	1,404.24	1/2	1,687.34	1/2	1,970.44	1/2	2,253.54	1/2	2,536.64	1/2	2,819.74
3/4	289.61	3/4	572.70	3/4	854.83	3/4	1,127.10	3/4	1,410.14	3/4	1,693.24	3/4	1,976.34	3/4	2,259.44	3/4	2,542.54	3/4	2,825.64

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER GAUGE HATCH.
 GAUGE POINT: (10" MANUAL) LOCATED 12'-03" OFF CENTERLINE AND 28'-08" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "JDRF 22"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 17'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,831.53	0	3,114.63	0	3,397.73	0	3,679.72	0	3,961.03	0		0		0		0		0	
1/4	2,837.43	1/4	3,120.53	1/4	3,403.63	1/4	3,685.58	1/4	3,966.89	1/4		1/4		1/4		1/4		1/4	
1/2	2,843.33	1/2	3,126.43	1/2	3,409.53	1/2	3,691.44	1/2	3,972.75	1/2		1/2		1/2		1/2		1/2	
3/4	2,849.23	3/4	3,132.33	3/4	3,415.43	3/4	3,697.30	3/4	3,978.61	3/4		3/4		3/4		3/4		3/4	
1	2,855.13	1	3,138.22	1	3,421.32	1	3,703.17	1	3,984.47	1		1		1		1		1	
1/4	2,861.02	1/4	3,144.12	1/4	3,427.22	1/4	3,709.03	1/4	3,990.33	1/4		1/4		1/4		1/4		1/4	
1/2	2,866.92	1/2	3,150.02	1/2	3,433.12	1/2	3,714.89	1/2	3,996.20	1/2		1/2		1/2		1/2		1/2	
3/4	2,872.82	3/4	3,155.92	3/4	3,439.02	3/4	3,720.75	3/4	4,002.06	3/4		3/4		3/4		3/4		3/4	
2	2,878.72	2	3,161.82	2	3,444.92	2	3,726.61	2	4,007.92	2		2		2		2		2	
1/4	2,884.62	1/4	3,167.71	1/4	3,450.81	1/4	3,732.47	1/4	4,013.78	1/4		1/4		1/4		1/4		1/4	
1/2	2,890.51	1/2	3,173.61	1/2	3,456.71	1/2	3,738.33	1/2	4,019.64	1/2		1/2		1/2		1/2		1/2	
3/4	2,896.41	3/4	3,179.51	3/4	3,462.61	3/4	3,744.19	3/4	4,025.50	3/4		3/4		3/4		3/4		3/4	
3	2,902.31	3	3,185.41	3	3,468.51	3	3,750.05	3	4,031.36	3		3		3		3		3	
1/4	2,908.21	1/4	3,191.31	1/4	3,474.41	1/4	3,755.91	1/4	4,037.22	1/4		1/4		1/4		1/4		1/4	
1/2	2,914.10	1/2	3,197.20	1/2	3,480.30	1/2	3,761.77	1/2	4,043.08	1/2		1/2		1/2		1/2		1/2	
3/4	2,920.00	3/4	3,203.10	3/4	3,486.20	3/4	3,767.63	3/4	4,048.94	3/4		3/4		3/4		3/4		3/4	
4	2,925.90	4	3,209.00	4	3,492.10	4	3,773.49	4	4,054.80	4		4		4		4		4	
1/4	2,931.80	1/4	3,214.90	1/4	3,497.98	1/4	3,779.35	1/4	4,060.66	1/4		1/4		1/4		1/4		1/4	
1/2	2,937.70	1/2	3,220.80	1/2	3,503.86	1/2	3,785.21	1/2	4,066.52	1/2		1/2		1/2		1/2		1/2	
3/4	2,943.59	3/4	3,226.69	3/4	3,509.74	3/4	3,791.07	3/4	4,072.38	3/4		3/4		3/4		3/4		3/4	
5	2,949.49	5	3,232.59	5	3,515.63	5	3,796.93	5	4,078.24	5		5		5		5		5	
1/4	2,955.39	1/4	3,238.49	1/4	3,521.49	1/4	3,802.80	1/4	4,083.59	1/4		1/4		1/4		1/4		1/4	
1/2	2,961.29	1/2	3,244.39	1/2	3,527.35	1/2	3,808.66	1/2	4,088.94	1/2		1/2		1/2		1/2		1/2	
3/4	2,967.19	3/4	3,250.29	3/4	3,533.21	3/4	3,814.52	3/4	4,094.29	3/4		3/4		3/4		3/4		3/4	
6	2,973.08	6	3,256.18	6	3,539.07	6	3,820.38	6	4,099.63	6		6		6		6		6	
1/4	2,978.98	1/4	3,262.08	1/4	3,544.93	1/4	3,826.24	1/4	4,103.97	1/4		1/4		1/4		1/4		1/4	
1/2	2,984.88	1/2	3,267.98	1/2	3,550.79	1/2	3,832.10	1/2	4,108.32	1/2		1/2		1/2		1/2		1/2	
3/4	2,990.78	3/4	3,273.88	3/4	3,556.65	3/4	3,837.96	3/4	4,112.66	3/4		3/4		3/4		3/4		3/4	
7	2,996.68	7	3,279.77	7	3,562.51	7	3,843.82	7	4,117.00	7		7		7		7		7	
1/4	3,002.57	1/4	3,285.67	1/4	3,568.37	1/4	3,849.68	1/4	4,120.36	1/4		1/4		1/4		1/4		1/4	
1/2	3,008.47	1/2	3,291.57	1/2	3,574.23	1/2	3,855.54	1/2	4,123.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,014.37	3/4	3,297.47	3/4	3,580.09	3/4	3,861.40	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,020.27	8	3,303.37	8	3,585.95	8	3,867.26	8		8		8		8		8		8	
1/4	3,026.16	1/4	3,309.26	1/4	3,591.81	1/4	3,873.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,032.06	1/2	3,315.16	1/2	3,597.67	1/2	3,878.98	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,037.96	3/4	3,321.06	3/4	3,603.54	3/4	3,884.84	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,043.86	9	3,326.96	9	3,609.40	9	3,890.70	9		9		9		9		9		9	
1/4	3,049.76	1/4	3,332.86	1/4	3,615.26	1/4	3,896.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,055.65	1/2	3,338.75	1/2	3,621.12	1/2	3,902.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,061.55	3/4	3,344.65	3/4	3,626.98	3/4	3,908.29	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,067.45	10	3,350.55	10	3,632.84	10	3,914.15	10		10		10		10		10		10	
1/4	3,073.35	1/4	3,356.45	1/4	3,638.70	1/4	3,920.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,079.25	1/2	3,362.35	1/2	3,644.56	1/2	3,925.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,085.14	3/4	3,368.24	3/4	3,650.42	3/4	3,931.73	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,091.04	11	3,374.14	11	3,656.28	11	3,937.59	11		11		11		11		11		11	
1/4	3,096.94	1/4	3,380.04	1/4	3,662.14	1/4	3,943.45	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,102.84	1/2	3,385.94	1/2	3,668.00	1/2	3,949.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,108.74	3/4	3,391.83	3/4	3,673.86	3/4	3,955.17	3/4		3/4		3/4		3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2010

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Pearland, Texas 77588
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BARGE "JDRF 22"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 17'-08 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	19.06	0	284.40	0	556.56	0	828.90	0	1,101.34	0	1,373.78	0	1,646.23	0	1,918.67	0	2,191.11	0	2,463.56
1/4	23.32	1/4	290.08	1/4	562.23	1/4	834.57	1/4	1,107.02	1/4	1,379.46	1/4	1,651.90	1/4	1,924.35	1/4	2,196.79	1/4	2,469.23
1/2	27.58	1/2	295.75	1/2	567.91	1/2	840.25	1/2	1,112.69	1/2	1,385.14	1/2	1,657.58	1/2	1,930.02	1/2	2,202.46	1/2	2,474.91
3/4	31.84	3/4	301.43	3/4	573.58	3/4	845.92	3/4	1,118.37	3/4	1,390.81	3/4	1,663.25	3/4	1,935.70	3/4	2,208.14	3/4	2,480.58
1	36.09	1	307.10	1	579.26	1	851.60	1	1,124.04	1	1,396.49	1	1,668.93	1	1,941.37	1	2,213.82	1	2,486.26
1/4	41.41	1/4	312.78	1/4	584.93	1/4	857.28	1/4	1,129.72	1/4	1,402.16	1/4	1,674.61	1/4	1,947.05	1/4	2,219.49	1/4	2,491.94
1/2	46.74	1/2	318.45	1/2	590.60	1/2	862.95	1/2	1,135.40	1/2	1,407.84	1/2	1,680.28	1/2	1,952.73	1/2	2,225.17	1/2	2,497.61
3/4	52.06	3/4	324.12	3/4	596.28	3/4	868.63	3/4	1,141.07	3/4	1,413.51	3/4	1,685.96	3/4	1,958.40	3/4	2,230.84	3/4	2,503.29
2	57.38	2	329.80	2	601.95	2	874.30	2	1,146.75	2	1,419.19	2	1,691.63	2	1,964.08	2	2,236.52	2	2,508.96
1/4	63.05	1/4	335.47	1/4	607.62	1/4	879.98	1/4	1,152.42	1/4	1,424.87	1/4	1,697.31	1/4	1,969.75	1/4	2,242.20	1/4	2,514.64
1/2	68.73	1/2	341.14	1/2	613.30	1/2	885.66	1/2	1,158.10	1/2	1,430.54	1/2	1,702.99	1/2	1,975.43	1/2	2,247.87	1/2	2,520.32
3/4	74.40	3/4	346.81	3/4	618.97	3/4	891.33	3/4	1,163.78	3/4	1,436.22	3/4	1,708.66	3/4	1,981.10	3/4	2,253.55	3/4	2,525.99
3	80.08	3	352.48	3	624.64	3	897.01	3	1,169.45	3	1,441.89	3	1,714.34	3	1,986.78	3	2,259.22	3	2,531.67
1/4	85.76	1/4	358.14	1/4	630.32	1/4	902.68	1/4	1,175.13	1/4	1,447.57	1/4	1,720.01	1/4	1,992.46	1/4	2,264.90	1/4	2,537.34
1/2	91.43	1/2	363.81	1/2	635.99	1/2	908.36	1/2	1,180.80	1/2	1,453.25	1/2	1,725.69	1/2	1,998.13	1/2	2,270.58	1/2	2,543.02
3/4	97.11	3/4	369.48	3/4	641.67	3/4	914.04	3/4	1,186.48	3/4	1,458.92	3/4	1,731.37	3/4	2,003.81	3/4	2,276.25	3/4	2,548.69
4	102.78	4	375.15	4	647.34	4	919.71	4	1,192.15	4	1,464.60	4	1,737.04	4	2,009.48	4	2,281.93	4	2,554.37
1/4	108.46	1/4	380.82	1/4	653.01	1/4	925.39	1/4	1,197.83	1/4	1,470.27	1/4	1,742.72	1/4	2,015.16	1/4	2,287.60	1/4	2,560.05
1/2	114.13	1/2	386.48	1/2	658.69	1/2	931.06	1/2	1,203.51	1/2	1,475.95	1/2	1,748.39	1/2	2,020.84	1/2	2,293.28	1/2	2,565.72
3/4	119.81	3/4	392.15	3/4	664.36	3/4	936.74	3/4	1,209.18	3/4	1,481.63	3/4	1,754.07	3/4	2,026.51	3/4	2,298.96	3/4	2,571.40
5	125.48	5	397.82	5	670.03	5	942.42	5	1,214.86	5	1,487.30	5	1,759.74	5	2,032.19	5	2,304.63	5	2,577.07
1/4	131.16	1/4	403.49	1/4	675.71	1/4	948.09	1/4	1,220.53	1/4	1,492.98	1/4	1,765.42	1/4	2,037.86	1/4	2,310.31	1/4	2,582.75
1/2	136.84	1/2	409.15	1/2	681.38	1/2	953.77	1/2	1,226.21	1/2	1,498.65	1/2	1,771.10	1/2	2,043.54	1/2	2,315.98	1/2	2,588.43
3/4	142.51	3/4	414.82	3/4	687.05	3/4	959.44	3/4	1,231.89	3/4	1,504.33	3/4	1,776.77	3/4	2,049.22	3/4	2,321.66	3/4	2,594.10
6	148.19	6	420.49	6	692.73	6	965.12	6	1,237.56	6	1,510.01	6	1,782.45	6	2,054.89	6	2,327.33	6	2,599.78
1/4	153.86	1/4	426.16	1/4	698.40	1/4	970.79	1/4	1,243.24	1/4	1,515.68	1/4	1,788.12	1/4	2,060.57	1/4	2,333.01	1/4	2,605.45
1/2	159.54	1/2	431.83	1/2	704.07	1/2	976.47	1/2	1,248.91	1/2	1,521.36	1/2	1,793.80	1/2	2,066.24	1/2	2,338.69	1/2	2,611.13
3/4	165.21	3/4	437.49	3/4	709.75	3/4	982.15	3/4	1,254.59	3/4	1,527.03	3/4	1,799.48	3/4	2,071.92	3/4	2,344.36	3/4	2,616.81
7	170.89	7	443.16	7	715.42	7	987.82	7	1,260.27	7	1,532.71	7	1,805.15	7	2,077.60	7	2,350.04	7	2,622.48
1/4	176.57	1/4	448.83	1/4	721.10	1/4	993.50	1/4	1,265.94	1/4	1,538.38	1/4	1,810.83	1/4	2,083.27	1/4	2,355.71	1/4	2,628.16
1/2	182.24	1/2	454.50	1/2	726.77	1/2	999.17	1/2	1,271.62	1/2	1,544.06	1/2	1,816.50	1/2	2,088.95	1/2	2,361.39	1/2	2,633.83
3/4	187.92	3/4	460.16	3/4	732.44	3/4	1,004.85	3/4	1,277.29	3/4	1,549.74	3/4	1,822.18	3/4	2,094.62	3/4	2,367.07	3/4	2,639.51
8	193.59	8	465.83	8	738.12	8	1,010.53	8	1,282.97	8	1,555.41	8	1,827.86	8	2,100.30	8	2,372.74	8	2,645.19
1/4	199.27	1/4	471.50	1/4	743.79	1/4	1,016.20	1/4	1,288.65	1/4	1,561.09	1/4	1,833.53	1/4	2,105.97	1/4	2,378.42	1/4	2,650.86
1/2	204.94	1/2	477.17	1/2	749.46	1/2	1,021.88	1/2	1,294.32	1/2	1,566.76	1/2	1,839.21	1/2	2,111.65	1/2	2,384.09	1/2	2,656.54
3/4	210.62	3/4	482.84	3/4	755.14	3/4	1,027.55	3/4	1,300.00	3/4	1,572.44	3/4	1,844.88	3/4	2,117.33	3/4	2,389.77	3/4	2,662.21
9	216.29	9	488.50	9	760.81	9	1,033.23	9	1,305.67	9	1,578.12	9	1,850.56	9	2,123.00	9	2,395.45	9	2,667.89
1/4	221.97	1/4	494.17	1/4	766.48	1/4	1,038.91	1/4	1,311.35	1/4	1,583.79	1/4	1,856.24	1/4	2,128.68	1/4	2,401.12	1/4	2,673.56
1/2	227.65	1/2	499.84	1/2	772.16	1/2	1,044.58	1/2	1,317.02	1/2	1,589.47	1/2	1,861.91	1/2	2,134.35	1/2	2,406.80	1/2	2,679.24
3/4	233.32	3/4	505.51	3/4	777.83	3/4	1,050.26	3/4	1,322.70	3/4	1,595.14	3/4	1,867.59	3/4	2,140.03	3/4	2,412.47	3/4	2,684.92
10	239.00	10	511.18	10	783.51	10	1,055.93	10	1,328.38	10	1,600.82	10	1,873.26	10	2,145.71	10	2,418.15	10	2,690.59
1/4	244.67	1/4	516.85	1/4	789.18	1/4	1,061.61	1/4	1,334.05	1/4	1,606.50	1/4	1,878.94	1/4	2,151.38	1/4	2,423.83	1/4	2,696.27
1/2	250.35	1/2	522.52	1/2	794.85	1/2	1,067.29	1/2	1,339.73	1/2	1,612.17	1/2	1,884.61	1/2	2,157.06	1/2	2,429.50	1/2	2,701.94
3/4	256.02	3/4	528.19	3/4	800.53	3/4	1,072.96	3/4	1,345.40	3/4	1,617.85	3/4	1,890.29	3/4	2,162.73	3/4	2,435.18	3/4	2,707.62
11	261.70	11	533.87	11	806.20	11	1,078.64	11	1,351.08	11	1,623.52	11	1,895.97	11	2,168.41	11	2,440.85	11	2,713.30
1/4	267.37	1/4	539.54	1/4	811.87	1/4	1,084.31	1/4	1,356.76	1/4	1,629.20	1/4	1,901.64	1/4	2,174.09	1/4	2,446.53	1/4	2,718.97
1/2	273.05	1/2	545.21	1/2	817.55	1/2	1,089.99	1/2	1,362.43	1/2	1,634.87	1/2	1,907.32	1/2	2,179.76	1/2	2,452.20	1/2	2,724.65
3/4	278.73	3/4	550.89	3/4	823.22	3/4	1,095.66	3/4	1,368.11	3/4	1,640.55	3/4	1,912.99	3/4	2,185.44	3/4	2,457.88	3/4	2,730.32

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER GAUGE HATCH.
 GAUGE POINT: (10" MANUAL) LOCATED 11'-03" OFF CENTERLINE AND 29'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "JDRF 22"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 17'-08 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	2,736.00	0	3,008.44	0	3,280.89	0	3,552.20	0	3,822.92	0		0		0		0		0	
1/4	2,741.68	1/4	3,014.12	1/4	3,286.56	1/4	3,557.84	1/4	3,828.56	1/4		1/4		1/4		1/4		1/4	
1/2	2,747.35	1/2	3,019.79	1/2	3,292.24	1/2	3,563.48	1/2	3,834.20	1/2		1/2		1/2		1/2		1/2	
3/4	2,753.03	3/4	3,025.47	3/4	3,297.91	3/4	3,569.12	3/4	3,839.84	3/4		3/4		3/4		3/4		3/4	
1	2,758.70	1	3,031.15	1	3,303.59	1	3,574.76	1	3,845.48	1		1		1		1		1	
1/4	2,764.38	1/4	3,036.82	1/4	3,309.27	1/4	3,580.40	1/4	3,851.12	1/4		1/4		1/4		1/4		1/4	
1/2	2,770.06	1/2	3,042.50	1/2	3,314.94	1/2	3,586.04	1/2	3,856.76	1/2		1/2		1/2		1/2		1/2	
3/4	2,775.73	3/4	3,048.17	3/4	3,320.62	3/4	3,591.68	3/4	3,862.40	3/4		3/4		3/4		3/4		3/4	
2	2,781.41	2	3,053.85	2	3,326.29	2	3,597.32	2	3,868.04	2		2		2		2		2	
1/4	2,787.08	1/4	3,059.53	1/4	3,331.97	1/4	3,602.96	1/4	3,873.68	1/4		1/4		1/4		1/4		1/4	
1/2	2,792.76	1/2	3,065.20	1/2	3,337.65	1/2	3,608.60	1/2	3,879.32	1/2		1/2		1/2		1/2		1/2	
3/4	2,798.43	3/4	3,070.88	3/4	3,343.32	3/4	3,614.24	3/4	3,884.96	3/4		3/4		3/4		3/4		3/4	
3	2,804.11	3	3,076.55	3	3,349.00	3	3,619.88	3	3,890.60	3		3		3		3		3	
1/4	2,809.79	1/4	3,082.23	1/4	3,354.67	1/4	3,625.52	1/4	3,896.24	1/4		1/4		1/4		1/4		1/4	
1/2	2,815.46	1/2	3,087.91	1/2	3,360.35	1/2	3,631.16	1/2	3,901.88	1/2		1/2		1/2		1/2		1/2	
3/4	2,821.14	3/4	3,093.58	3/4	3,366.02	3/4	3,636.80	3/4	3,907.52	3/4		3/4		3/4		3/4		3/4	
4	2,826.81	4	3,099.26	4	3,371.70	4	3,642.44	4	3,913.16	4		4		4		4		4	
1/4	2,832.49	1/4	3,104.93	1/4	3,377.35	1/4	3,648.08	1/4	3,918.80	1/4		1/4		1/4		1/4		1/4	
1/2	2,838.17	1/2	3,110.61	1/2	3,382.99	1/2	3,653.72	1/2	3,924.44	1/2		1/2		1/2		1/2		1/2	
3/4	2,843.84	3/4	3,116.28	3/4	3,388.64	3/4	3,659.36	3/4	3,930.08	3/4		3/4		3/4		3/4		3/4	
5	2,849.52	5	3,121.96	5	3,394.29	5	3,665.00	5	3,935.72	5		5		5		5		5	
1/4	2,855.19	1/4	3,127.64	1/4	3,399.93	1/4	3,670.64	1/4	3,940.87	1/4		1/4		1/4		1/4		1/4	
1/2	2,860.87	1/2	3,133.31	1/2	3,405.57	1/2	3,676.28	1/2	3,946.03	1/2		1/2		1/2		1/2		1/2	
3/4	2,866.55	3/4	3,138.99	3/4	3,411.21	3/4	3,681.92	3/4	3,951.19	3/4		3/4		3/4		3/4		3/4	
6	2,872.22	6	3,144.66	6	3,416.85	6	3,687.56	6	3,956.34	6		6		6		6		6	
1/4	2,877.90	1/4	3,150.34	1/4	3,422.49	1/4	3,693.20	1/4	3,960.54	1/4		1/4		1/4		1/4		1/4	
1/2	2,883.57	1/2	3,156.02	1/2	3,428.13	1/2	3,698.84	1/2	3,964.74	1/2		1/2		1/2		1/2		1/2	
3/4	2,889.25	3/4	3,161.69	3/4	3,433.77	3/4	3,704.48	3/4	3,968.94	3/4		3/4		3/4		3/4		3/4	
7	2,894.92	7	3,167.37	7	3,439.41	7	3,710.12	7	3,973.14	7		7		7		7		7	
1/4	2,900.60	1/4	3,173.04	1/4	3,445.05	1/4	3,715.76	1/4	3,976.39	1/4		1/4		1/4		1/4		1/4	
1/2	2,906.28	1/2	3,178.72	1/2	3,450.69	1/2	3,721.40	1/2	3,979.65	1/2		1/2		1/2		1/2		1/2	
3/4	2,911.95	3/4	3,184.40	3/4	3,456.33	3/4	3,727.04	3/4		3/4		3/4		3/4		3/4		3/4	
8	2,917.63	8	3,190.07	8	3,461.97	8	3,732.68	8		8		8		8		8		8	
1/4	2,923.30	1/4	3,195.75	1/4	3,467.61	1/4	3,738.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,928.98	1/2	3,201.42	1/2	3,473.25	1/2	3,743.96	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,934.66	3/4	3,207.10	3/4	3,478.89	3/4	3,749.60	3/4		3/4		3/4		3/4		3/4		3/4	
9	2,940.33	9	3,212.78	9	3,484.53	9	3,755.24	9		9		9		9		9		9	
1/4	2,946.01	1/4	3,218.45	1/4	3,490.17	1/4	3,760.88	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,951.68	1/2	3,224.13	1/2	3,495.81	1/2	3,766.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,957.36	3/4	3,229.80	3/4	3,501.45	3/4	3,772.16	3/4		3/4		3/4		3/4		3/4		3/4	
10	2,963.04	10	3,235.48	10	3,507.09	10	3,777.80	10		10		10		10		10		10	
1/4	2,968.71	1/4	3,241.15	1/4	3,512.73	1/4	3,783.44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,974.39	1/2	3,246.83	1/2	3,518.37	1/2	3,789.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2,980.06	3/4	3,252.51	3/4	3,524.00	3/4	3,794.72	3/4		3/4		3/4		3/4		3/4		3/4	
11	2,985.74	11	3,258.18	11	3,529.64	11	3,800.36	11		11		11		11		11		11	
1/4	2,991.42	1/4	3,263.86	1/4	3,535.28	1/4	3,806.00	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	2,997.09	1/2	3,269.53	1/2	3,540.92	1/2	3,811.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,002.77	3/4	3,275.21	3/4	3,546.56	3/4	3,817.28	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2010 CL - SW
 RECALCULATED: 12/09/2010 CL
 REPRINTED: 12/09/2010 CL

CANCELS AND SUPERCEDES
 ALL PRIOR TO 12/2010

PRECISION MEASUREMENT
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BARGE "JDRF 22"

**3 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 17'-08 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	19.79	0	295.49	0	578.55	0	860.48	0	1,132.85	0	1,415.92	0	1,699.00	0	1,982.07	0	2,265.15	0	2,548.22
1/4	24.21	1/4	301.38	1/4	584.45	1/4	866.13	1/4	1,138.75	1/4	1,421.82	1/4	1,704.90	1/4	1,987.97	1/4	2,271.05	1/4	2,554.12
1/2	28.63	1/2	307.28	1/2	590.35	1/2	871.79	1/2	1,144.64	1/2	1,427.72	1/2	1,710.79	1/2	1,993.87	1/2	2,276.94	1/2	2,560.02
3/4	33.06	3/4	313.18	3/4	596.24	3/4	877.44	3/4	1,150.54	3/4	1,433.62	3/4	1,716.69	3/4	1,999.77	3/4	2,282.84	3/4	2,565.92
1	37.48	1	319.07	1	602.14	1	883.09	1	1,156.44	1	1,439.51	1	1,722.59	1	2,005.66	1	2,288.74	1	2,571.81
1/4	43.01	1/4	324.97	1/4	608.03	1/4	888.75	1/4	1,162.33	1/4	1,445.41	1/4	1,728.49	1/4	2,011.56	1/4	2,294.64	1/4	2,577.71
1/2	48.54	1/2	330.87	1/2	613.93	1/2	894.40	1/2	1,168.23	1/2	1,451.31	1/2	1,734.38	1/2	2,017.46	1/2	2,300.53	1/2	2,583.61
3/4	54.07	3/4	336.77	3/4	619.82	3/4	900.05	3/4	1,174.13	3/4	1,457.20	3/4	1,740.28	3/4	2,023.36	3/4	2,306.43	3/4	2,589.51
2	59.60	2	342.66	2	625.72	2	905.70	2	1,180.03	2	1,463.10	2	1,746.18	2	2,029.25	2	2,312.33	2	2,595.40
1/4	65.49	1/4	348.56	1/4	631.61	1/4	911.36	1/4	1,185.92	1/4	1,469.00	1/4	1,752.07	1/4	2,035.15	1/4	2,318.23	1/4	2,601.30
1/2	71.39	1/2	354.46	1/2	637.50	1/2	917.01	1/2	1,191.82	1/2	1,474.90	1/2	1,757.97	1/2	2,041.05	1/2	2,324.12	1/2	2,607.20
3/4	77.29	3/4	360.35	3/4	643.39	3/4	922.66	3/4	1,197.72	3/4	1,480.79	3/4	1,763.87	3/4	2,046.94	3/4	2,330.02	3/4	2,613.10
3	83.19	3	366.25	3	649.29	3	928.32	3	1,203.62	3	1,486.69	3	1,769.77	3	2,052.84	3	2,335.92	3	2,618.99
1/4	89.08	1/4	372.15	1/4	655.18	1/4	933.97	1/4	1,209.51	1/4	1,492.59	1/4	1,775.66	1/4	2,058.74	1/4	2,341.81	1/4	2,624.89
1/2	94.98	1/2	378.05	1/2	661.07	1/2	939.62	1/2	1,215.41	1/2	1,498.49	1/2	1,781.56	1/2	2,064.64	1/2	2,347.71	1/2	2,630.79
3/4	100.88	3/4	383.94	3/4	666.96	3/4	945.27	3/4	1,221.31	3/4	1,504.38	3/4	1,787.46	3/4	2,070.53	3/4	2,353.61	3/4	2,636.68
4	106.78	4	389.84	4	672.85	4	950.93	4	1,227.21	4	1,510.28	4	1,793.36	4	2,076.43	4	2,359.51	4	2,642.58
1/4	112.67	1/4	395.74	1/4	678.74	1/4	956.58	1/4	1,233.10	1/4	1,516.18	1/4	1,799.25	1/4	2,082.33	1/4	2,365.40	1/4	2,648.48
1/2	118.57	1/2	401.64	1/2	684.64	1/2	962.23	1/2	1,239.00	1/2	1,522.08	1/2	1,805.15	1/2	2,088.23	1/2	2,371.30	1/2	2,654.38
3/4	124.47	3/4	407.53	3/4	690.53	3/4	967.89	3/4	1,244.90	3/4	1,527.97	3/4	1,811.05	3/4	2,094.12	3/4	2,377.20	3/4	2,660.27
5	130.36	5	413.43	5	696.42	5	973.54	5	1,250.80	5	1,533.87	5	1,816.95	5	2,100.02	5	2,383.10	5	2,666.17
1/4	136.26	1/4	419.33	1/4	702.31	1/4	979.19	1/4	1,256.69	1/4	1,539.77	1/4	1,822.84	1/4	2,105.92	1/4	2,388.99	1/4	2,672.07
1/2	142.16	1/2	425.22	1/2	708.20	1/2	984.84	1/2	1,262.59	1/2	1,545.67	1/2	1,828.74	1/2	2,111.82	1/2	2,394.89	1/2	2,677.97
3/4	148.06	3/4	431.12	3/4	714.09	3/4	990.50	3/4	1,268.49	3/4	1,551.56	3/4	1,834.64	3/4	2,117.71	3/4	2,400.79	3/4	2,683.86
6	153.95	6	437.02	6	719.99	6	996.15	6	1,274.39	6	1,557.46	6	1,840.54	6	2,123.61	6	2,406.69	6	2,689.76
1/4	159.85	1/4	442.92	1/4	725.88	1/4	1,001.80	1/4	1,280.28	1/4	1,563.36	1/4	1,846.43	1/4	2,129.51	1/4	2,412.58	1/4	2,695.66
1/2	165.75	1/2	448.81	1/2	731.77	1/2	1,007.45	1/2	1,286.18	1/2	1,569.26	1/2	1,852.33	1/2	2,135.41	1/2	2,418.48	1/2	2,701.56
3/4	171.64	3/4	454.71	3/4	737.66	3/4	1,013.11	3/4	1,292.08	3/4	1,575.15	3/4	1,858.23	3/4	2,141.30	3/4	2,424.38	3/4	2,707.45
7	177.54	7	460.61	7	743.55	7	1,018.76	7	1,297.98	7	1,581.05	7	1,864.13	7	2,147.20	7	2,430.28	7	2,713.35
1/4	183.44	1/4	466.50	1/4	749.44	1/4	1,024.41	1/4	1,303.87	1/4	1,586.95	1/4	1,870.02	1/4	2,153.10	1/4	2,436.17	1/4	2,719.25
1/2	189.34	1/2	472.40	1/2	755.34	1/2	1,030.07	1/2	1,309.77	1/2	1,592.85	1/2	1,875.92	1/2	2,159.00	1/2	2,442.07	1/2	2,725.15
3/4	195.23	3/4	478.30	3/4	761.23	3/4	1,035.72	3/4	1,315.67	3/4	1,598.74	3/4	1,881.82	3/4	2,164.89	3/4	2,447.97	3/4	2,731.04
8	201.13	8	484.20	8	767.12	8	1,041.37	8	1,321.56	8	1,604.64	8	1,887.72	8	2,170.79	8	2,453.87	8	2,736.94
1/4	207.03	1/4	490.09	1/4	773.01	1/4	1,047.03	1/4	1,327.46	1/4	1,610.54	1/4	1,893.61	1/4	2,176.69	1/4	2,459.76	1/4	2,742.84
1/2	212.92	1/2	495.99	1/2	778.90	1/2	1,052.69	1/2	1,333.36	1/2	1,616.43	1/2	1,899.51	1/2	2,182.59	1/2	2,465.66	1/2	2,748.74
3/4	218.82	3/4	501.89	3/4	784.79	3/4	1,058.34	3/4	1,339.26	3/4	1,622.33	3/4	1,905.41	3/4	2,188.48	3/4	2,471.56	3/4	2,754.63
9	224.72	9	507.78	9	790.68	9	1,064.00	9	1,345.15	9	1,628.23	9	1,911.30	9	2,194.38	9	2,477.46	9	2,760.53
1/4	230.62	1/4	513.68	1/4	796.58	1/4	1,069.66	1/4	1,351.05	1/4	1,634.13	1/4	1,917.20	1/4	2,200.28	1/4	2,483.35	1/4	2,766.43
1/2	236.51	1/2	519.58	1/2	802.47	1/2	1,075.31	1/2	1,356.95	1/2	1,640.02	1/2	1,923.10	1/2	2,206.17	1/2	2,489.25	1/2	2,772.32
3/4	242.41	3/4	525.48	3/4	808.37	3/4	1,080.97	3/4	1,362.85	3/4	1,645.92	3/4	1,929.00	3/4	2,212.07	3/4	2,495.15	3/4	2,778.22
10	248.31	10	531.37	10	814.26	10	1,086.63	10	1,368.74	10	1,651.82	10	1,934.89	10	2,217.97	10	2,501.04	10	2,784.12
1/4	254.21	1/4	537.27	1/4	820.16	1/4	1,092.35	1/4	1,374.64	1/4	1,657.72	1/4	1,940.79	1/4	2,223.87	1/4	2,506.94	1/4	2,790.02
1/2	260.10	1/2	543.17	1/2	825.94	1/2	1,098.06	1/2	1,380.54	1/2	1,663.61	1/2	1,946.69	1/2	2,229.76	1/2	2,512.84	1/2	2,795.91
3/4	266.00	3/4	549.07	3/4	831.78	3/4	1,103.78	3/4	1,386.44	3/4	1,669.51	3/4	1,952.59	3/4	2,235.66	3/4	2,518.74	3/4	2,801.81
11	271.90	11	554.96	11	837.61	11	1,109.50	11	1,392.33	11	1,675.41	11	1,958.48	11	2,241.56	11	2,524.63	11	2,807.71
1/4	277.79	1/4	560.86	1/4	843.33	1/4	1,115.34	1/4	1,398.23	1/4	1,681.31	1/4	1,964.38	1/4	2,247.46	1/4	2,530.53	1/4	2,813.61
1/2	283.69	1/2	566.76	1/2	849.05	1/2	1,121.17	1/2	1,404.13	1/2	1,687.20	1/2	1,970.28	1/2	2,253.35	1/2	2,536.43	1/2	2,819.50
3/4	289.59	3/4	572.65	3/4	854.76	3/4	1,127.01	3/4	1,410.03	3/4	1,693.10	3/4	1,976.18	3/4	2,259.25	3/4	2,542.33	3/4	2,825.40

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER GAUGE HATCH.
 GAUGE POINT: (10" MANUAL) LOCATED 12'-03" OFF CENTERLINE AND 28'-11" FORWARD OF AFT BULKHEAD.

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



BARGE "JDRF 22"

**3 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 17'-08 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	2,831.30	0	3,114.37	0	3,397.45	0	3,679.43	0	3,960.71	0		0		0		0		0	
1/4	2,837.20	1/4	3,120.27	1/4	3,403.35	1/4	3,685.29	1/4	3,966.57	1/4		1/4		1/4		1/4		1/4	
1/2	2,843.09	1/2	3,126.17	1/2	3,409.24	1/2	3,691.15	1/2	3,972.43	1/2		1/2		1/2		1/2		1/2	
3/4	2,848.99	3/4	3,132.07	3/4	3,415.14	3/4	3,697.01	3/4	3,978.29	3/4		3/4		3/4		3/4		3/4	
1	2,854.89	1	3,137.96	1	3,421.04	1	3,702.87	1	3,984.15	1		1		1		1		1	
1/4	2,860.79	1/4	3,143.86	1/4	3,426.94	1/4	3,708.73	1/4	3,990.01	1/4		1/4		1/4		1/4		1/4	
1/2	2,866.68	1/2	3,149.76	1/2	3,432.83	1/2	3,714.59	1/2	3,995.87	1/2		1/2		1/2		1/2		1/2	
3/4	2,872.58	3/4	3,155.66	3/4	3,438.73	3/4	3,720.45	3/4	4,001.73	3/4		3/4		3/4		3/4		3/4	
2	2,878.48	2	3,161.55	2	3,444.63	2	3,726.31	2	4,007.59	2		2		2		2		2	
1/4	2,884.38	1/4	3,167.45	1/4	3,450.53	1/4	3,732.17	1/4	4,013.45	1/4		1/4		1/4		1/4		1/4	
1/2	2,890.27	1/2	3,173.35	1/2	3,456.42	1/2	3,738.03	1/2	4,019.31	1/2		1/2		1/2		1/2		1/2	
3/4	2,896.17	3/4	3,179.25	3/4	3,462.32	3/4	3,743.89	3/4	4,025.17	3/4		3/4		3/4		3/4		3/4	
3	2,902.07	3	3,185.14	3	3,468.22	3	3,749.75	3	4,031.03	3		3		3		3		3	
1/4	2,907.97	1/4	3,191.04	1/4	3,474.12	1/4	3,755.61	1/4	4,036.89	1/4		1/4		1/4		1/4		1/4	
1/2	2,913.86	1/2	3,196.94	1/2	3,480.01	1/2	3,761.47	1/2	4,042.75	1/2		1/2		1/2		1/2		1/2	
3/4	2,919.76	3/4	3,202.84	3/4	3,485.91	3/4	3,767.33	3/4	4,048.61	3/4		3/4		3/4		3/4		3/4	
4	2,925.66	4	3,208.73	4	3,491.81	4	3,773.19	4	4,054.47	4		4		4		4		4	
1/4	2,931.55	1/4	3,214.63	1/4	3,497.69	1/4	3,779.05	1/4	4,060.33	1/4		1/4		1/4		1/4		1/4	
1/2	2,937.45	1/2	3,220.53	1/2	3,503.58	1/2	3,784.91	1/2	4,066.19	1/2		1/2		1/2		1/2		1/2	
3/4	2,943.35	3/4	3,226.42	3/4	3,509.46	3/4	3,790.77	3/4	4,072.05	3/4		3/4		3/4		3/4		3/4	
5	2,949.25	5	3,232.32	5	3,515.34	5	3,796.63	5	4,077.91	5		5		5		5		5	
1/4	2,955.14	1/4	3,238.22	1/4	3,521.20	1/4	3,802.49	1/4	4,083.26	1/4		1/4		1/4		1/4		1/4	
1/2	2,961.04	1/2	3,244.12	1/2	3,527.06	1/2	3,808.35	1/2	4,088.61	1/2		1/2		1/2		1/2		1/2	
3/4	2,966.94	3/4	3,250.01	3/4	3,532.92	3/4	3,814.21	3/4	4,093.95	3/4		3/4		3/4		3/4		3/4	
6	2,972.84	6	3,255.91	6	3,538.78	6	3,820.07	6	4,099.30	6		6		6		6		6	
1/4	2,978.73	1/4	3,261.81	1/4	3,544.64	1/4	3,825.93	1/4	4,103.64	1/4		1/4		1/4		1/4		1/4	
1/2	2,984.63	1/2	3,267.71	1/2	3,550.50	1/2	3,831.79	1/2	4,107.98	1/2		1/2		1/2		1/2		1/2	
3/4	2,990.53	3/4	3,273.60	3/4	3,556.36	3/4	3,837.65	3/4	4,112.33	3/4		3/4		3/4		3/4		3/4	
7	2,996.43	7	3,279.50	7	3,562.22	7	3,843.51	7	4,116.67	7		7		7		7		7	
1/4	3,002.32	1/4	3,285.40	1/4	3,568.08	1/4	3,849.37	1/4	4,120.03	1/4		1/4		1/4		1/4		1/4	
1/2	3,008.22	1/2	3,291.30	1/2	3,573.94	1/2	3,855.23	1/2	4,123.38	1/2		1/2		1/2		1/2		1/2	
3/4	3,014.12	3/4	3,297.19	3/4	3,579.80	3/4	3,861.09	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,020.02	8	3,303.09	8	3,585.66	8	3,866.95	8		8		8		8		8		8	
1/4	3,025.91	1/4	3,308.99	1/4	3,591.52	1/4	3,872.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,031.81	1/2	3,314.89	1/2	3,597.38	1/2	3,878.67	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,037.71	3/4	3,320.78	3/4	3,603.24	3/4	3,884.53	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,043.61	9	3,326.68	9	3,609.10	9	3,890.39	9		9		9		9		9		9	
1/4	3,049.50	1/4	3,332.58	1/4	3,614.96	1/4	3,896.25	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,055.40	1/2	3,338.48	1/2	3,620.82	1/2	3,902.11	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,061.30	3/4	3,344.37	3/4	3,626.68	3/4	3,907.97	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,067.19	10	3,350.27	10	3,632.54	10	3,913.83	10		10		10		10		10		10	
1/4	3,073.09	1/4	3,356.17	1/4	3,638.40	1/4	3,919.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,078.99	1/2	3,362.06	1/2	3,644.26	1/2	3,925.55	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,084.89	3/4	3,367.96	3/4	3,650.12	3/4	3,931.41	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,090.78	11	3,373.86	11	3,655.98	11	3,937.27	11		11		11		11		11		11	
1/4	3,096.68	1/4	3,379.76	1/4	3,661.85	1/4	3,943.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,102.58	1/2	3,385.65	1/2	3,667.71	1/2	3,948.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,108.48	3/4	3,391.55	3/4	3,673.57	3/4	3,954.85	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2010 CL - SW
RECALCULATED: 12/09/2010 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2010

PRECISION MEASUREMENT
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BARGE "JDRF 22"

4 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 18'-00 1/8"

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	6.53	0	467.01	0	974.80	0	1,472.86	0	1,978.18	0	2,485.88	0	2,993.57	0	3,501.27	0	4,008.97	0	4,516.33
1/4	10.50	1/4	477.59	1/4	985.38	1/4	1,483.18	1/4	1,988.76	1/4	2,496.46	1/4	3,004.15	1/4	3,511.85	1/4	4,019.54	1/4	4,526.90
1/2	14.47	1/2	488.17	1/2	995.96	1/2	1,493.49	1/2	1,999.34	1/2	2,507.03	1/2	3,014.73	1/2	3,522.42	1/2	4,030.12	1/2	4,537.46
3/4	18.44	3/4	498.75	3/4	1,006.53	3/4	1,503.81	3/4	2,009.91	3/4	2,517.61	3/4	3,025.31	3/4	3,533.00	3/4	4,040.70	3/4	4,548.03
1	22.41	1	509.33	1	1,017.11	1	1,514.13	1	2,020.49	1	2,528.19	1	3,035.88	1	3,543.58	1	4,051.27	1	4,558.60
1/4	29.03	1/4	519.90	1/4	1,027.69	1/4	1,524.47	1/4	2,031.07	1/4	2,538.76	1/4	3,046.46	1/4	3,554.16	1/4	4,061.85	1/4	4,569.16
1/2	35.64	1/2	530.48	1/2	1,038.27	1/2	1,534.82	1/2	2,041.64	1/2	2,549.34	1/2	3,057.04	1/2	3,564.73	1/2	4,072.43	1/2	4,579.73
3/4	42.26	3/4	541.06	3/4	1,048.85	3/4	1,545.16	3/4	2,052.22	3/4	2,559.92	3/4	3,067.61	3/4	3,575.31	3/4	4,083.01	3/4	4,590.30
2	48.88	2	551.64	2	1,059.43	2	1,555.51	2	2,062.80	2	2,570.49	2	3,078.19	2	3,585.89	2	4,093.58	2	4,600.86
1/4	58.15	1/4	562.22	1/4	1,069.91	1/4	1,565.99	1/4	2,073.38	1/4	2,581.07	1/4	3,088.77	1/4	3,596.46	1/4	4,104.16	1/4	4,611.43
1/2	67.41	1/2	572.80	1/2	1,080.38	1/2	1,576.46	1/2	2,083.95	1/2	2,591.65	1/2	3,099.34	1/2	3,607.04	1/2	4,114.73	1/2	4,622.00
3/4	76.68	3/4	583.38	3/4	1,090.86	3/4	1,586.94	3/4	2,094.53	3/4	2,602.23	3/4	3,109.92	3/4	3,617.62	3/4	4,125.30	3/4	4,632.57
3	85.95	3	593.96	3	1,101.34	3	1,597.41	3	2,105.11	3	2,612.80	3	3,120.50	3	3,628.19	3	4,135.87	3	4,643.13
1/4	96.54	1/4	604.54	1/4	1,111.68	1/4	1,607.99	1/4	2,115.68	1/4	2,623.38	1/4	3,131.08	1/4	3,638.77	1/4	4,146.45	1/4	4,653.70
1/2	107.13	1/2	615.12	1/2	1,122.03	1/2	1,618.56	1/2	2,126.26	1/2	2,633.96	1/2	3,141.65	1/2	3,649.35	1/2	4,157.02	1/2	4,664.27
3/4	117.72	3/4	625.69	3/4	1,132.37	3/4	1,629.14	3/4	2,136.84	3/4	2,644.53	3/4	3,152.23	3/4	3,659.93	3/4	4,167.59	3/4	4,674.83
4	128.32	4	636.27	4	1,142.72	4	1,639.72	4	2,147.41	4	2,655.11	4	3,162.81	4	3,670.50	4	4,178.16	4	4,685.40
1/4	138.91	1/4	646.85	1/4	1,153.04	1/4	1,650.30	1/4	2,157.99	1/4	2,665.69	1/4	3,173.38	1/4	3,681.08	1/4	4,188.74	1/4	4,695.97
1/2	149.50	1/2	657.43	1/2	1,163.35	1/2	1,660.87	1/2	2,168.57	1/2	2,676.26	1/2	3,183.96	1/2	3,691.66	1/2	4,199.31	1/2	4,706.53
3/4	160.09	3/4	668.01	3/4	1,173.67	3/4	1,671.45	3/4	2,179.15	3/4	2,686.84	3/4	3,194.54	3/4	3,702.23	3/4	4,209.88	3/4	4,717.10
5	170.68	5	678.59	5	1,183.99	5	1,682.03	5	2,189.72	5	2,697.42	5	3,205.11	5	3,712.81	5	4,220.46	5	4,727.67
1/4	181.27	1/4	689.17	1/4	1,194.30	1/4	1,692.60	1/4	2,200.30	1/4	2,708.00	1/4	3,215.69	1/4	3,723.39	1/4	4,231.02	1/4	4,738.23
1/2	191.87	1/2	699.75	1/2	1,204.62	1/2	1,703.18	1/2	2,210.88	1/2	2,718.57	1/2	3,226.27	1/2	3,733.96	1/2	4,241.59	1/2	4,748.80
3/4	202.46	3/4	710.33	3/4	1,214.94	3/4	1,713.76	3/4	2,221.45	3/4	2,729.15	3/4	3,236.85	3/4	3,744.54	3/4	4,252.16	3/4	4,759.37
6	213.05	6	720.90	6	1,225.26	6	1,724.33	6	2,232.03	6	2,739.73	6	3,247.42	6	3,755.12	6	4,262.72	6	4,769.93
1/4	223.64	1/4	731.48	1/4	1,235.57	1/4	1,734.91	1/4	2,242.61	1/4	2,750.30	1/4	3,258.00	1/4	3,765.70	1/4	4,273.29	1/4	4,780.50
1/2	234.23	1/2	742.06	1/2	1,245.89	1/2	1,745.49	1/2	2,253.18	1/2	2,760.88	1/2	3,268.58	1/2	3,776.27	1/2	4,283.86	1/2	4,791.07
3/4	244.83	3/4	752.64	3/4	1,256.21	3/4	1,756.07	3/4	2,263.76	3/4	2,771.46	3/4	3,279.15	3/4	3,786.85	3/4	4,294.42	3/4	4,801.64
7	255.42	7	763.22	7	1,266.52	7	1,766.64	7	2,274.34	7	2,782.03	7	3,289.73	7	3,797.43	7	4,304.99	7	4,812.20
1/4	266.00	1/4	773.80	1/4	1,276.84	1/4	1,777.22	1/4	2,284.92	1/4	2,792.61	1/4	3,300.31	1/4	3,808.00	1/4	4,315.56	1/4	4,822.77
1/2	276.58	1/2	784.38	1/2	1,287.16	1/2	1,787.80	1/2	2,295.49	1/2	2,803.19	1/2	3,310.88	1/2	3,818.58	1/2	4,326.13	1/2	4,833.34
3/4	287.16	3/4	794.96	3/4	1,297.47	3/4	1,798.37	3/4	2,306.07	3/4	2,813.77	3/4	3,321.46	3/4	3,829.16	3/4	4,336.69	3/4	4,843.90
8	297.74	8	805.54	8	1,307.79	8	1,808.95	8	2,316.65	8	2,824.34	8	3,332.04	8	3,839.73	8	4,347.26	8	4,854.47
1/4	308.32	1/4	816.11	1/4	1,318.11	1/4	1,819.53	1/4	2,327.22	1/4	2,834.92	1/4	3,342.62	1/4	3,850.31	1/4	4,357.83	1/4	4,865.04
1/2	318.90	1/2	826.69	1/2	1,328.42	1/2	1,830.10	1/2	2,337.80	1/2	2,845.50	1/2	3,353.19	1/2	3,860.89	1/2	4,368.39	1/2	4,875.60
3/4	329.48	3/4	837.27	3/4	1,338.74	3/4	1,840.68	3/4	2,348.38	3/4	2,856.07	3/4	3,363.77	3/4	3,871.47	3/4	4,378.96	3/4	4,886.17
9	340.06	9	847.85	9	1,349.06	9	1,851.26	9	2,358.95	9	2,866.65	9	3,374.35	9	3,882.04	9	4,389.53	9	4,896.74
1/4	350.64	1/4	858.43	1/4	1,359.37	1/4	1,861.84	1/4	2,369.53	1/4	2,877.23	1/4	3,384.92	1/4	3,892.62	1/4	4,400.09	1/4	4,907.30
1/2	361.22	1/2	869.01	1/2	1,369.69	1/2	1,872.41	1/2	2,380.11	1/2	2,887.80	1/2	3,395.50	1/2	3,903.20	1/2	4,410.66	1/2	4,917.87
3/4	371.80	3/4	879.59	3/4	1,380.01	3/4	1,882.99	3/4	2,390.69	3/4	2,898.38	3/4	3,406.08	3/4	3,913.77	3/4	4,421.23	3/4	4,928.44
10	382.38	10	890.17	10	1,390.33	10	1,893.57	10	2,401.26	10	2,908.96	10	3,416.65	10	3,924.35	10	4,431.79	10	4,939.01
1/4	392.96	1/4	900.75	1/4	1,400.64	1/4	1,904.14	1/4	2,411.84	1/4	2,919.54	1/4	3,427.23	1/4	3,934.93	1/4	4,442.36	1/4	4,949.57
1/2	403.54	1/2	911.32	1/2	1,410.96	1/2	1,914.72	1/2	2,422.42	1/2	2,930.11	1/2	3,437.81	1/2	3,945.50	1/2	4,452.93	1/2	4,960.14
3/4	414.12	3/4	921.90	3/4	1,421.28	3/4	1,925.30	3/4	2,432.99	3/4	2,940.69	3/4	3,448.39	3/4	3,956.08	3/4	4,463.49	3/4	4,970.71
11	424.69	11	932.48	11	1,431.59	11	1,935.87	11	2,443.57	11	2,951.27	11	3,458.96	11	3,966.66	11	4,474.06	11	4,981.27
1/4	435.27	1/4	943.06	1/4	1,441.91	1/4	1,946.45	1/4	2,454.15	1/4	2,961.84	1/4	3,469.54	1/4	3,977.24	1/4	4,484.63	1/4	4,991.84
1/2	445.85	1/2	953.64	1/2	1,452.23	1/2	1,957.03	1/2	2,464.72	1/2	2,972.42	1/2	3,480.12	1/2	3,987.81	1/2	4,495.20	1/2	5,002.41
3/4	456.43	3/4	964.22	3/4	1,462.54	3/4	1,967.61	3/4	2,475.30	3/4	2,983.00	3/4	3,490.69	3/4	3,998.39	3/4	4,505.76	3/4	5,012.97

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT 10" DIAMETER GAUGE HATCH.
 GAUGE POINT: (10" MANUAL) LOCATED 3'-04" OFF CENTERLINE AND 35'-00 1/2" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





BARGE "JDRF 22"

4 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 34"

GAUGE HEIGHT 18'-00 1/8"

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	5,023.54	0	5,529.98	0	5,911.87	0	6,267.16	0	6,621.32	0	6,877.86	0		0		0		0	
1/4	5,034.11	1/4	5,540.57	1/4	5,919.30	1/4	6,274.54	1/4	6,628.70	1/4		1/4		1/4		1/4		1/4	
1/2	5,044.67	1/2	5,551.16	1/2	5,926.73	1/2	6,281.92	1/2	6,636.07	1/2		1/2		1/2		1/2		1/2	
3/4	5,055.24	3/4	5,561.76	3/4	5,934.15	3/4	6,289.29	3/4	6,643.45	3/4		3/4		3/4		3/4		3/4	
1	5,065.81	1	5,572.35	1	5,941.58	1	6,296.67	1	6,650.83	1		1		1		1		1	
1/4	5,076.37	1/4	5,582.94	1/4	5,949.01	1/4	6,304.05	1/4	6,658.21	1/4		1/4		1/4		1/4		1/4	
1/2	5,086.94	1/2	5,593.53	1/2	5,956.44	1/2	6,311.43	1/2	6,665.59	1/2		1/2		1/2		1/2		1/2	
3/4	5,097.51	3/4	5,604.12	3/4	5,963.87	3/4	6,318.81	3/4	6,672.97	3/4		3/4		3/4		3/4		3/4	
2	5,108.08	2	5,614.72	2	5,971.30	2	6,326.19	2	6,680.34	2		2		2		2		2	
1/4	5,118.64	1/4	5,622.14	1/4	5,978.73	1/4	6,333.56	1/4	6,687.72	1/4		1/4		1/4		1/4		1/4	
1/2	5,129.21	1/2	5,629.57	1/2	5,986.16	1/2	6,340.94	1/2	6,695.10	1/2		1/2		1/2		1/2		1/2	
3/4	5,139.78	3/4	5,637.00	3/4	5,993.58	3/4	6,348.32	3/4	6,702.48	3/4		3/4		3/4		3/4		3/4	
3	5,150.34	3	5,644.43	3	6,001.01	3	6,355.70	3	6,709.86	3		3		3		3		3	
1/4	5,160.91	1/4	5,651.86	1/4	6,008.44	1/4	6,363.08	1/4	6,717.24	1/4		1/4		1/4		1/4		1/4	
1/2	5,171.48	1/2	5,659.29	1/2	6,015.86	1/2	6,370.46	1/2	6,724.61	1/2		1/2		1/2		1/2		1/2	
3/4	5,182.04	3/4	5,666.72	3/4	6,023.28	3/4	6,377.83	3/4	6,731.99	3/4		3/4		3/4		3/4		3/4	
4	5,192.61	4	5,674.15	4	6,030.70	4	6,385.21	4	6,739.37	4		4		4		4		4	
1/4	5,203.18	1/4	5,681.57	1/4	6,038.12	1/4	6,392.59	1/4	6,746.75	1/4		1/4		1/4		1/4		1/4	
1/2	5,213.74	1/2	5,689.00	1/2	6,045.55	1/2	6,399.97	1/2	6,754.13	1/2		1/2		1/2		1/2		1/2	
3/4	5,224.31	3/4	5,696.43	3/4	6,052.97	3/4	6,407.35	3/4	6,761.50	3/4		3/4		3/4		3/4		3/4	
5	5,234.88	5	5,703.86	5	6,060.39	5	6,414.72	5	6,768.88	5		5		5		5		5	
1/4	5,245.45	1/4	5,711.29	1/4	6,067.81	1/4	6,422.10	1/4	6,776.26	1/4		1/4		1/4		1/4		1/4	
1/2	5,256.01	1/2	5,718.72	1/2	6,075.24	1/2	6,429.48	1/2	6,783.64	1/2		1/2		1/2		1/2		1/2	
3/4	5,266.58	3/4	5,726.15	3/4	6,082.66	3/4	6,436.86	3/4	6,791.02	3/4		3/4		3/4		3/4		3/4	
6	5,277.15	6	5,733.58	6	6,090.08	6	6,444.24	6	6,798.40	6		6		6		6		6	
1/4	5,287.67	1/4	5,741.01	1/4	6,097.46	1/4	6,451.62	1/4	6,805.77	1/4		1/4		1/4		1/4		1/4	
1/2	5,298.19	1/2	5,748.43	1/2	6,104.84	1/2	6,458.99	1/2	6,813.15	1/2		1/2		1/2		1/2		1/2	
3/4	5,308.72	3/4	5,755.86	3/4	6,112.21	3/4	6,466.37	3/4	6,820.53	3/4		3/4		3/4		3/4		3/4	
7	5,319.24	7	5,763.29	7	6,119.59	7	6,473.75	7	6,827.91	7		7		7		7		7	
1/4	5,329.76	1/4	5,770.72	1/4	6,126.97	1/4	6,481.13	1/4	6,833.42	1/4		1/4		1/4		1/4		1/4	
1/2	5,340.29	1/2	5,778.15	1/2	6,134.35	1/2	6,488.51	1/2	6,838.93	1/2		1/2		1/2		1/2		1/2	
3/4	5,350.81	3/4	5,785.58	3/4	6,141.73	3/4	6,495.89	3/4	6,844.44	3/4		3/4		3/4		3/4		3/4	
8	5,361.33	8	5,793.01	8	6,149.11	8	6,503.26	8	6,849.96	8		8		8		8		8	
1/4	5,371.86	1/4	5,800.44	1/4	6,156.48	1/4	6,510.64	1/4	6,853.70	1/4		1/4		1/4		1/4		1/4	
1/2	5,382.38	1/2	5,807.86	1/2	6,163.86	1/2	6,518.02	1/2	6,857.45	1/2		1/2		1/2		1/2		1/2	
3/4	5,392.90	3/4	5,815.29	3/4	6,171.24	3/4	6,525.40	3/4	6,861.20	3/4		3/4		3/4		3/4		3/4	
9	5,403.43	9	5,822.72	9	6,178.62	9	6,532.78	9	6,864.94	9		9		9		9		9	
1/4	5,413.95	1/4	5,830.15	1/4	6,186.00	1/4	6,540.16	1/4	6,866.92	1/4		1/4		1/4		1/4		1/4	
1/2	5,424.47	1/2	5,837.58	1/2	6,193.38	1/2	6,547.53	1/2	6,868.90	1/2		1/2		1/2		1/2		1/2	
3/4	5,435.00	3/4	5,845.01	3/4	6,200.75	3/4	6,554.91	3/4	6,870.88	3/4		3/4		3/4		3/4		3/4	
10	5,445.52	10	5,852.44	10	6,208.13	10	6,562.29	10	6,872.87	10		10		10		10		10	
1/4	5,456.04	1/4	5,859.87	1/4	6,215.51	1/4	6,569.67	1/4	6,873.62	1/4		1/4		1/4		1/4		1/4	
1/2	5,466.57	1/2	5,867.29	1/2	6,222.89	1/2	6,577.05	1/2	6,874.36	1/2		1/2		1/2		1/2		1/2	
3/4	5,477.09	3/4	5,874.72	3/4	6,230.27	3/4	6,584.43	3/4	6,875.11	3/4		3/4		3/4		3/4		3/4	
11	5,487.61	11	5,882.15	11	6,237.65	11	6,591.80	11	6,875.86	11		11		11		11		11	
1/4	5,498.21	1/4	5,889.58	1/4	6,245.02	1/4	6,599.18	1/4	6,876.36	1/4		1/4		1/4		1/4		1/4	
1/2	5,508.80	1/2	5,897.01	1/2	6,252.40	1/2	6,606.56	1/2	6,876.86	1/2		1/2		1/2		1/2		1/2	
3/4	5,519.39	3/4	5,904.44	3/4	6,259.78	3/4	6,613.94	3/4	6,877.36	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 07/01/2010 CL - SW
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REPRINTED: 12/09/2010 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2010

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