

Tank Strapping Detail Report

Tank ID **012-050** Tank Type **F** Roof Weight **2,059** API **35.00** Gravity Correction **.04**  
 Strapped By: **HMT** 10/15/2010 Floating Height **3-00-00**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
0-00-00	29.26	<b>3-06-00</b>	910.51 F	7-00-00	1,794.36 F	10-06-00	2,677.21 F
0-01-00	47.46	3-07-00	931.55 F	7-01-00	1,815.40 F	10-07-00	2,698.23 F
0-02-00	67.73	3-08-00	952.60 F	7-02-00	1,836.44 F	10-08-00	2,719.24 F
0-03-00	88.78	3-09-00	973.64 F	7-03-00	1,857.49 F	10-09-00	2,740.26 F
0-04-00	109.82	3-10-00	994.68 F	7-04-00	1,878.53 F	10-10-00	2,761.27 F
0-05-00	130.87	3-11-00	1,015.73 F	7-05-00	1,899.58 F	10-11-00	2,782.29 F
0-06-00	151.91	4-00-00	1,036.77 F	7-06-00	1,920.62 F	11-00-00	2,803.31 F
0-07-00	172.96	4-01-00	1,057.82 F	7-07-00	1,941.65 F	11-01-00	2,824.32 F
0-08-00	194.00	4-02-00	1,078.86 F	7-08-00	1,962.67 F	11-02-00	2,845.34 F
0-09-00	215.04	4-03-00	1,099.90 F	7-09-00	1,983.68 F	11-03-00	2,866.35 F
0-10-00	236.09	4-04-00	1,120.95 F	7-10-00	2,004.70 F	11-04-00	2,887.37 F
0-11-00	258.08	4-05-00	1,141.99 F	7-11-00	2,025.71 F	11-05-00	2,908.39 F
1-00-00	280.08	4-06-00	1,163.04 F	8-00-00	2,046.73 F	11-06-00	2,929.40 F
1-01-00	302.08	4-07-00	1,184.08 F	8-01-00	2,067.75 F	11-07-00	2,950.42 F
1-02-00	324.08	4-08-00	1,205.12 F	8-02-00	2,088.76 F	11-08-00	2,971.43 F
1-03-00	346.09	4-09-00	1,226.17 F	8-03-00	2,109.78 F	11-09-00	2,992.45 F
1-04-00	368.10	4-10-00	1,247.21 F	8-04-00	2,130.79 F	11-10-00	3,013.47 F
1-05-00	390.11	4-11-00	1,268.26 F	8-05-00	2,151.81 F	11-11-00	3,034.48 F
1-06-00	412.12	5-00-00	1,289.30 F	8-06-00	2,172.83 F	12-00-00	3,055.50 F
1-07-00	433.18	5-01-00	1,310.34 F	8-07-00	2,193.84 F	12-01-00	3,076.51 F
1-08-00	454.23	5-02-00	1,331.39 F	8-08-00	2,214.86 F	12-02-00	3,097.53 F
1-09-00	475.29	5-03-00	1,352.43 F	8-09-00	2,235.87 F	12-03-00	3,118.55 F
1-10-00	496.35	5-04-00	1,373.48 F	8-10-00	2,256.89 F	12-04-00	3,139.56 F
1-11-00	517.41	5-05-00	1,394.52 F	8-11-00	2,277.91 F	12-05-00	3,160.58 F
2-00-00	538.46	5-06-00	1,415.56 F	9-00-00	2,298.92 F	12-06-00	3,181.59 F
2-01-00	559.52	5-07-00	1,436.61 F	9-01-00	2,319.94 F	12-07-00	3,202.61 F
2-02-00	580.58	5-08-00	1,457.65 F	9-02-00	2,340.95 F	12-08-00	3,223.63 F
2-03-00	601.64	5-09-00	1,478.70 F	9-03-00	2,361.97 F	12-09-00	3,244.64 F
2-04-00	622.69	5-10-00	1,499.74 F	9-04-00	2,382.99 F	12-10-00	3,265.66 F
2-05-00	643.75	5-11-00	1,520.78 F	9-05-00	2,404.00 F	12-11-00	3,286.67 F
2-06-00	664.81	6-00-00	1,541.83 F	9-06-00	2,425.02 F	13-00-00	3,307.69 F
2-07-00	685.87	6-01-00	1,562.87 F	9-07-00	2,446.03 F	13-01-00	3,328.71 F
2-08-00	706.92	6-02-00	1,583.92 F	9-08-00	2,467.05 F	13-02-00	3,349.72 F
2-09-00	727.98	6-03-00	1,604.96 F	9-09-00	2,488.07 F	13-03-00	3,370.74 F
2-10-00	749.04	6-04-00	1,626.00 F	9-10-00	2,509.08 F	13-04-00	3,391.75 F
2-11-00	770.10	6-05-00	1,647.05 F	9-11-00	2,530.10 F	13-05-00	3,412.77 F
<b>3-00-00</b>	791.15 F	6-06-00	1,668.09 F	10-00-00	2,551.11 F	13-06-00	3,433.79 F
<b>3-01-00</b>	812.03 F	6-07-00	1,689.14 F	10-01-00	2,572.13 F	13-07-00	3,454.80 F
<b>3-02-00</b>	832.23 F	6-08-00	1,710.18 F	10-02-00	2,593.15 F	13-08-00	3,475.82 F
<b>3-03-00</b>	851.96 F	6-09-00	1,731.22 F	10-03-00	2,614.16 F	13-09-00	3,496.83 F
<b>3-04-00</b>	871.44 F	6-10-00	1,752.27 F	10-04-00	2,635.18 F	13-10-00	3,517.85 F
<b>3-05-00</b>	890.78 F	6-11-00	1,773.31 F	10-05-00	2,656.19 F	13-11-00	3,538.87 F

All fractional values are to be calculated between the one inch values at the point of strapping

**BOLD DENOTES ROOF CRITICAL ZONE**

Tank ID **012-050** Tank Type **F** Roof Weight **2,059** API **35.00** Gravity Correction **.04**  
 Strapped By: HMT 10/15/2010 Floating Height **3-00-00**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
14-00-00	3,559.88 F	17-06-00	4,443.02 F	21-00-00	5,326.54 F	24-06-00	6,209.81 F
14-01-00	3,580.90 F	17-07-00	4,464.06 F	21-01-00	5,347.57 F	24-07-00	6,230.82 F
14-02-00	3,601.91 F	17-08-00	4,485.10 F	21-02-00	5,368.61 F	24-08-00	6,251.84 F
14-03-00	3,622.93 F	17-09-00	4,506.13 F	21-03-00	5,389.64 F	24-09-00	6,272.85 F
14-04-00	3,643.95 F	17-10-00	4,527.17 F	21-04-00	5,410.68 F	24-10-00	6,293.87 F
14-05-00	3,664.96 F	17-11-00	4,548.20 F	21-05-00	5,431.72 F	24-11-00	6,314.89 F
14-06-00	3,685.98 F	18-00-00	4,569.24 F	21-06-00	5,452.75 F	25-00-00	6,335.90 F
14-07-00	3,706.99 F	18-01-00	4,590.28 F	21-07-00	5,473.79 F	25-01-00	6,356.92 F
14-08-00	3,728.01 F	18-02-00	4,611.31 F	21-08-00	5,494.82 F	25-02-00	6,377.93 F
14-09-00	3,749.03 F	18-03-00	4,632.35 F	21-09-00	5,515.86 F	25-03-00	6,398.95 F
14-10-00	3,770.04 F	18-04-00	4,653.38 F	21-10-00	5,536.90 F	25-04-00	6,419.96 F
14-11-00	3,791.06 F	18-05-00	4,674.42 F	21-11-00	5,557.93 F	25-05-00	6,440.98 F
15-00-00	3,812.07 F	18-06-00	4,695.46 F	22-00-00	5,578.97 F	25-06-00	6,461.99 F
15-01-00	3,833.09 F	18-07-00	4,716.49 F	22-01-00	5,600.00 F	25-07-00	6,483.01 F
15-02-00	3,854.11 F	18-08-00	4,737.53 F	22-02-00	5,621.04 F	25-08-00	6,504.02 F
15-03-00	3,875.12 F	18-09-00	4,758.56 F	22-03-00	5,642.08 F	25-09-00	6,525.04 F
15-04-00	3,896.14 F	18-10-00	4,779.60 F	22-04-00	5,663.11 F	25-10-00	6,546.05 F
15-05-00	3,917.15 F	18-11-00	4,800.64 F	22-05-00	5,684.15 F	25-11-00	6,567.07 F
15-06-00	3,938.17 F	19-00-00	4,821.67 F	22-06-00	5,705.18 F	26-00-00	6,588.08 F
15-07-00	3,959.20 F	19-01-00	4,842.71 F	22-07-00	5,726.22 F	26-01-00	6,609.10 F
15-08-00	3,980.23 F	19-02-00	4,863.74 F	22-08-00	5,747.26 F	26-02-00	6,630.11 F
15-09-00	4,001.27 F	19-03-00	4,884.78 F	22-09-00	5,768.29 F	26-03-00	6,651.13 F
15-10-00	4,022.30 F	19-04-00	4,905.82 F	22-10-00	5,789.33 F	26-04-00	6,672.14 F
15-11-00	4,043.34 F	19-05-00	4,926.85 F	22-11-00	5,810.36 F	26-05-00	6,693.16 F
16-00-00	4,064.38 F	19-06-00	4,947.89 F	23-00-00	5,831.40 F	26-06-00	6,714.17 F
16-01-00	4,085.41 F	19-07-00	4,968.92 F	23-01-00	5,852.44 F	26-07-00	6,735.19 F
16-02-00	4,106.45 F	19-08-00	4,989.96 F	23-02-00	5,873.47 F	26-08-00	6,756.20 F
16-03-00	4,127.48 F	19-09-00	5,011.00 F	23-03-00	5,894.51 F	26-09-00	6,777.22 F
16-04-00	4,148.52 F	19-10-00	5,032.03 F	23-04-00	5,915.54 F	26-10-00	6,798.23 F
16-05-00	4,169.56 F	19-11-00	5,053.07 F	23-05-00	5,936.58 F	26-11-00	6,819.25 F
16-06-00	4,190.59 F	20-00-00	5,074.10 F	23-06-00	5,957.62 F	27-00-00	6,840.27 F
16-07-00	4,211.63 F	20-01-00	5,095.14 F	23-07-00	5,978.64 F	27-01-00	6,861.28 F
16-08-00	4,232.66 F	20-02-00	5,116.18 F	23-08-00	5,999.66 F	27-02-00	6,882.30 F
16-09-00	4,253.70 F	20-03-00	5,137.21 F	23-09-00	6,020.67 F	27-03-00	6,903.31 F
16-10-00	4,274.74 F	20-04-00	5,158.25 F	23-10-00	6,041.69 F	27-04-00	6,924.33 F
16-11-00	4,295.77 F	20-05-00	5,179.28 F	23-11-00	6,062.70 F	27-05-00	6,945.34 F
17-00-00	4,316.81 F	20-06-00	5,200.32 F	24-00-00	6,083.72 F	27-06-00	6,966.36 F
17-01-00	4,337.84 F	20-07-00	5,221.36 F	24-01-00	6,104.73 F	27-07-00	6,987.37 F
17-02-00	4,358.88 F	20-08-00	5,242.39 F	24-02-00	6,125.75 F	27-08-00	7,008.39 F
17-03-00	4,379.92 F	20-09-00	5,263.43 F	24-03-00	6,146.76 F	27-09-00	7,029.40 F
17-04-00	4,400.95 F	20-10-00	5,284.46 F	24-04-00	6,167.78 F	27-10-00	7,050.42 F
17-05-00	4,421.99 F	20-11-00	5,305.50 F	24-05-00	6,188.79 F	27-11-00	7,071.43 F

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**BOLD DENOTES ROOF CRITICAL ZONE**

Tank ID **012-050** Tank Type **F** Roof Weight **2,059** API **35.00** Gravity Correction **.04**  
 Strapped By: **HMT** 10/15/2010 Floating Height **3-00-00**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
28-00-00	7,092.45 F	31-06-00	7,975.09 F	35-00-00	8,857.29 F	38-06-00	9,739.49 F
28-01-00	7,113.46 F	31-07-00	7,996.10 F	35-01-00	8,878.30 F	38-07-00	9,760.50 F
28-02-00	7,134.48 F	31-08-00	8,017.10 F	35-02-00	8,899.30 F	38-08-00	9,781.50 F
28-03-00	7,155.49 F	31-09-00	8,038.11 F	35-03-00	8,920.31 F	38-09-00	9,802.51 F
28-04-00	7,176.51 F	31-10-00	8,059.11 F	35-04-00	8,941.31 F	38-10-00	9,823.51 F
28-05-00	7,197.52 F	31-11-00	8,080.12 F	35-05-00	8,962.32 F	38-11-00	9,844.52 F
28-06-00	7,218.54 F	32-00-00	8,101.12 F	35-06-00	8,983.32 F	39-00-00	9,865.52 F
28-07-00	7,239.55 F	32-01-00	8,122.12 F	35-07-00	9,004.33 F	39-01-00	9,886.53 F
28-08-00	7,260.57 F	32-02-00	8,143.13 F	35-08-00	9,025.33 F	39-02-00	9,907.53 F
28-09-00	7,281.58 F	32-03-00	8,164.13 F	35-09-00	9,046.34 F	39-03-00	9,928.54 F
28-10-00	7,302.60 F	32-04-00	8,185.14 F	35-10-00	9,067.34 F	39-04-00	9,949.54 F
28-11-00	7,323.61 F	32-05-00	8,206.14 F	35-11-00	9,088.35 F	39-05-00	9,970.55 F
29-00-00	7,344.63 F	32-06-00	8,227.15 F	36-00-00	9,109.35 F	39-06-00	9,991.55 F
29-01-00	7,365.65 F	32-07-00	8,248.15 F	36-01-00	9,130.36 F	39-07-00	10,012.55 F
29-02-00	7,386.66 F	32-08-00	8,269.16 F	36-02-00	9,151.36 F	39-08-00	10,033.55 F
29-03-00	7,407.68 F	32-09-00	8,290.16 F	36-03-00	9,172.36 F	39-09-00	10,054.54 F
29-04-00	7,428.69 F	32-10-00	8,311.17 F	36-04-00	9,193.37 F	39-10-00	10,075.54 F
29-05-00	7,449.71 F	32-11-00	8,332.17 F	36-05-00	9,214.37 F	39-11-00	10,096.54 F
29-06-00	7,470.72 F	33-00-00	8,353.18 F	36-06-00	9,235.38 F	40-00-00	10,117.53 F
29-07-00	7,491.74 F	33-01-00	8,374.18 F	36-07-00	9,256.38 F	40-01-00	10,138.53 F
29-08-00	7,512.75 F	33-02-00	8,395.19 F	36-08-00	9,277.39 F	40-02-00	10,159.52 F
29-09-00	7,533.77 F	33-03-00	8,416.19 F	36-09-00	9,298.39 F	40-03-00	10,180.52 F
29-10-00	7,554.78 F	33-04-00	8,437.20 F	36-10-00	9,319.40 F	40-04-00	10,201.52 F
29-11-00	7,575.80 F	33-05-00	8,458.20 F	36-11-00	9,340.40 F	40-05-00	10,222.51 F
30-00-00	7,596.81 F	33-06-00	8,479.21 F	37-00-00	9,361.41 F	40-06-00	10,243.51 F
30-01-00	7,617.83 F	33-07-00	8,500.21 F	37-01-00	9,382.41 F	40-07-00	10,264.50 F
30-02-00	7,638.84 F	33-08-00	8,521.22 F	37-02-00	9,403.42 F	40-08-00	10,285.50 F
30-03-00	7,659.86 F	33-09-00	8,542.22 F	37-03-00	9,424.42 F	40-09-00	10,306.50 F
30-04-00	7,680.87 F	33-10-00	8,563.23 F	37-04-00	9,445.43 F	40-10-00	10,327.49 F
30-05-00	7,701.89 F	33-11-00	8,584.23 F	37-05-00	9,466.43 F	40-11-00	10,348.49 F
30-06-00	7,722.90 F	34-00-00	8,605.24 F	37-06-00	9,487.44 F	41-00-00	10,369.48 F
30-07-00	7,743.92 F	34-01-00	8,626.24 F	37-07-00	9,508.44 F	41-01-00	10,390.48 F
30-08-00	7,764.93 F	34-02-00	8,647.24 F	37-08-00	9,529.45 F	41-02-00	10,411.48 F
30-09-00	7,785.95 F	34-03-00	8,668.25 F	37-09-00	9,550.45 F	41-03-00	10,432.47 F
30-10-00	7,806.96 F	34-04-00	8,689.25 F	37-10-00	9,571.46 F	41-04-00	10,453.47 F
30-11-00	7,827.98 F	34-05-00	8,710.26 F	37-11-00	9,592.46 F	41-05-00	10,474.46 F
31-00-00	7,848.99 F	34-06-00	8,731.26 F	38-00-00	9,613.47 F	41-06-00	10,495.46 F
31-01-00	7,870.01 F	34-07-00	8,752.27 F	38-01-00	9,634.47 F	41-07-00	10,516.46 F
31-02-00	7,891.03 F	34-08-00	8,773.27 F	38-02-00	9,655.48 F	41-08-00	10,537.45 F
31-03-00	7,912.04 F	34-09-00	8,794.28 F	38-03-00	9,676.48 F	41-09-00	10,558.45 F
31-04-00	7,933.06 F	34-10-00	8,815.28 F	38-04-00	9,697.48 F	41-10-00	10,579.44 F
31-05-00	7,954.07 F	34-11-00	8,836.29 F	38-05-00	9,718.49 F	41-11-00	10,600.44 F

All fractional values are to be calculated between the one inch values at the point of strapping

**BOLD DENOTES ROOF CRITICAL ZONE**

## Tank Strapping Detail Report

Tank ID **012-050** Tank Type **F** Roof Weight **2,059** API **35.00** Gravity Correction **.04**  
 Strapped By: HMT 10/15/2010 Floating Height **3-00-00**

<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>	<u>FT-IN-8th</u>	<u>Barrels</u>
42-00-00	10,621.44 F	45-06-00	11,503.27 F				
42-01-00	10,642.43 F	45-07-00	11,524.26 F				
42-02-00	10,663.43 F	45-08-00	11,545.26 F				
42-03-00	10,684.42 F	45-09-00	11,566.26 F				
42-04-00	10,705.42 F	45-10-00	11,587.25 F				
42-05-00	10,726.42 F	45-11-00	11,608.25 F				
42-06-00	10,747.41 F	46-00-00	11,629.24 F				
42-07-00	10,768.41 F	46-01-00	11,650.24 F				
42-08-00	10,789.40 F	46-02-00	11,671.24 F				
42-09-00	10,810.40 F	46-03-00	11,692.23 F				
42-10-00	10,831.40 F	46-04-00	11,713.23 F				
42-11-00	10,852.39 F	46-05-00	11,734.22 F				
43-00-00	10,873.39 F	46-06-00	11,755.22 F				
43-01-00	10,894.38 F	46-07-00	11,776.22 F				
43-02-00	10,915.38 F	46-08-00	11,797.21 F				
43-03-00	10,936.38 F	46-09-00	11,818.21 F				
43-04-00	10,957.37 F	46-10-00	11,839.20 F				
43-05-00	10,978.37 F	46-11-00	11,860.20 F				
43-06-00	10,999.36 F	47-00-00	11,881.20 F				
43-07-00	11,020.36 F	47-01-00	11,902.19 F				
43-08-00	11,041.36 F	47-02-00	11,923.19 F				
43-09-00	11,062.35 F	47-03-00	11,944.18 F				
43-10-00	11,083.35 F	47-04-00	11,965.18 F				
43-11-00	11,104.34 F	47-05-00	11,986.18 F				
44-00-00	11,125.34 F	47-06-00	12,007.17 F				
44-01-00	11,146.34 F	47-07-00	12,028.17 F				
44-02-00	11,167.33 F						
44-03-00	11,188.33 F						
44-04-00	11,209.32 F						
44-05-00	11,230.32 F						
44-06-00	11,251.32 F						
44-07-00	11,272.31 F						
44-08-00	11,293.31 F						
44-09-00	11,314.30 F						
44-10-00	11,335.30 F						
44-11-00	11,356.30 F						
45-00-00	11,377.29 F						
45-01-00	11,398.29 F						
45-02-00	11,419.28 F						
45-03-00	11,440.28 F						
45-04-00	11,461.28 F						
45-05-00	11,482.27 F						

All fractional values are to be calculated between the one inch values at the point of strapping

**BOLD DENOTES ROOF CRITICAL ZONE**