



**BUREAU
VERITAS**

BARGE "HFL - 3077" HINES FURLONG LINE

OUTAGE TABLE

1 PORT OR STAR

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

HULL NO. 4756

2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT		10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	5,012.97	0	4,656.79	0	4,299.10	0	3,941.40	0	3,583.70	0	3,226.01	0	2,868.31	0	2,510.62	0	2,152.92	0	1,795.22	0	1,437.53	0	1,079.83	0	722.14	0	363.93	0	35.87
1/4		1/4	5,005.90	1/4	4,649.34	1/4	4,291.64	1/4	3,933.95	1/4	3,576.25	1/4	3,218.56	1/4	2,860.86	1/4	2,503.16	1/4	2,145.47	1/4	1,787.77	1/4	1,430.08	1/4	1,072.38	1/4	714.68	1/4	356.60	1/4	31.26
1/2		1/2	4,998.82	1/2	4,641.89	1/2	4,284.19	1/2	3,926.50	1/2	3,568.80	1/2	3,211.10	1/2	2,853.41	1/2	2,495.71	1/2	2,138.02	1/2	1,780.32	1/2	1,422.62	1/2	1,064.93	1/2	707.23	1/2	349.27	1/2	26.64
3/4		3/4	4,991.75	3/4	4,634.44	3/4	4,276.74	3/4	3,919.04	3/4	3,561.35	3/4	3,203.65	3/4	2,845.96	3/4	2,488.26	3/4	2,130.56	3/4	1,772.87	3/4	1,415.17	3/4	1,057.48	3/4	699.78	3/4	341.94	3/4	22.03
1		1	4,984.68	1	4,626.98	1	4,269.29	1	3,911.59	1	3,553.90	1	3,196.20	1	2,838.50	1	2,480.81	1	2,123.11	1	1,765.42	1	1,407.72	1	1,050.02	1	692.33	1	334.62	1	17.42
1/4		1/4	4,977.23	1/4	4,619.53	1/4	4,261.84	1/4	3,904.14	1/4	3,546.44	1/4	3,188.75	1/4	2,831.05	1/4	2,473.36	1/4	2,115.66	1/4	1,757.96	1/4	1,400.27	1/4	1,042.57	1/4	684.88	1/4	327.41	1/4	14.41
1/2		1/2	4,969.78	1/2	4,612.08	1/2	4,254.38	1/2	3,896.69	1/2	3,538.99	1/2	3,181.30	1/2	2,823.60	1/2	2,465.90	1/2	2,108.21	1/2	1,750.51	1/2	1,392.82	1/2	1,035.12	1/2	677.42	1/2	320.21	1/2	11.41
3/4		3/4	4,962.32	3/4	4,604.63	3/4	4,246.93	3/4	3,889.24	3/4	3,531.54	3/4	3,173.84	3/4	2,816.15	3/4	2,458.45	3/4	2,100.76	3/4	1,743.06	3/4	1,385.36	3/4	1,027.67	3/4	669.97	3/4	313.00	3/4	8.40
2		2	4,954.87	2	4,597.18	2	4,239.48	2	3,881.78	2	3,524.09	2	3,166.39	2	2,808.70	2	2,451.00	2	2,093.30	2	1,735.61	2	1,377.91	2	1,020.22	2	662.52	2	305.80	2	5.40
1/4		1/4	4,947.42	1/4	4,589.72	1/4	4,232.03	1/4	3,874.33	1/4	3,516.64	1/4	3,158.94	1/4	2,801.24	1/4	2,443.55	1/4	2,085.85	1/4	1,728.16	1/4	1,370.46	1/4	1,012.76	1/4	655.07	1/4	298.60	1/4	4.12
1/2		1/2	4,939.97	1/2	4,582.27	1/2	4,224.58	1/2	3,866.88	1/2	3,509.18	1/2	3,151.49	1/2	2,793.79	1/2	2,436.10	1/2	2,078.40	1/2	1,720.70	1/2	1,363.01	1/2	1,005.31	1/2	647.62	1/2	291.39	1/2	2.84
3/4		3/4	4,932.52	3/4	4,574.82	3/4	4,217.12	3/4	3,859.43	3/4	3,501.73	3/4	3,144.04	3/4	2,786.34	3/4	2,428.64	3/4	2,070.95	3/4	1,713.25	3/4	1,355.56	3/4	997.86	3/4	640.16	3/4	284.19	3/4	1.56
3		3	4,925.06	3	4,567.37	3	4,209.67	3	3,851.98	3	3,494.28	3	3,136.58	3	2,778.89	3	2,421.19	3	2,063.50	3	1,705.80	3	1,348.10	3	990.41	3	632.71	3	276.98	3	
1/4		1/4	4,917.61	1/4	4,559.92	1/4	4,202.22	1/4	3,844.52	1/4	3,486.83	1/4	3,129.13	1/4	2,771.44	1/4	2,413.74	1/4	2,056.04	1/4	1,698.35	1/4	1,340.65	1/4	982.96	1/4	625.26	1/4	269.91	1/4	
1/2		1/2	4,910.16	1/2	4,552.46	1/2	4,194.77	1/2	3,837.07	1/2	3,479.38	1/2	3,121.68	1/2	2,763.98	1/2	2,406.29	1/2	2,048.59	1/2	1,690.90	1/2	1,333.20	1/2	975.50	1/2	617.81	1/2	262.83	1/2	
3/4		3/4	4,902.71	3/4	4,545.01	3/4	4,187.32	3/4	3,829.62	3/4	3,471.92	3/4	3,114.23	3/4	2,756.53	3/4	2,398.84	3/4	2,041.14	3/4	1,683.44	3/4	1,325.75	3/4	968.05	3/4	610.36	3/4	255.76	3/4	
4		4	4,895.26	4	4,537.56	4	4,179.86	4	3,822.17	4	3,464.47	4	3,106.78	4	2,749.08	4	2,391.38	4	2,033.69	4	1,675.99	4	1,318.30	4	960.60	4	602.90	4	248.68	4	
1/4		1/4	4,887.80	1/4	4,530.11	1/4	4,172.41	1/4	3,814.72	1/4	3,457.02	1/4	3,099.32	1/4	2,741.63	1/4	2,383.93	1/4	2,026.24	1/4	1,668.54	1/4	1,310.84	1/4	953.15	1/4	595.45	1/4	241.60	1/4	
1/2		1/2	4,880.35	1/2	4,522.66	1/2	4,164.96	1/2	3,807.26	1/2	3,449.57	1/2	3,091.87	1/2	2,734.18	1/2	2,376.48	1/2	2,018.78	1/2	1,661.09	1/2	1,303.39	1/2	945.70	1/2	588.00	1/2	234.53	1/2	
3/4		3/4	4,872.90	3/4	4,515.20	3/4	4,157.51	3/4	3,799.81	3/4	3,442.12	3/4	3,084.42	3/4	2,726.72	3/4	2,369.03	3/4	2,011.33	3/4	1,653.64	3/4	1,295.94	3/4	938.24	3/4	580.55	3/4	227.45	3/4	
5		5	4,865.45	5	4,507.75	5	4,150.06	5	3,792.36	5	3,434.66	5	3,076.97	5	2,719.27	5	2,361.58	5	2,003.88	5	1,646.18	5	1,288.49	5	930.79	5	573.10	5	220.38	5	
1/4		1/4	4,858.00	1/4	4,500.30	1/4	4,142.60	1/4	3,784.91	1/4	3,427.21	1/4	3,069.52	1/4	2,711.82	1/4	2,354.12	1/4	1,996.43	1/4	1,638.73	1/4	1,281.04	1/4	923.34	1/4	565.64	1/4	213.42	1/4	
1/2		1/2	4,850.54	1/2	4,492.85	1/2	4,135.15	1/2	3,777.46	1/2	3,419.76	1/2	3,062.06	1/2	2,704.37	1/2	2,346.67	1/2	1,988.98	1/2	1,631.28	1/2	1,273.58	1/2	915.89	1/2	558.19	1/2	206.47	1/2	
3/4		3/4	4,843.09	3/4	4,485.40	3/4	4,127.70	3/4	3,770.00	3/4	3,412.31	3/4	3,054.61	3/4	2,696.92	3/4	2,339.22	3/4	1,981.52	3/4	1,623.83	3/4	1,266.13	3/4	908.44	3/4	550.74	3/4	199.52	3/4	
6		6	4,835.64	6	4,477.94	6	4,120.25	6	3,762.55	6	3,404.86	6	3,047.16	6	2,689.46	6	2,331.77	6	1,974.07	6	1,616.38	6	1,258.68	6	900.98	6	543.29	6	192.57	6	
1/4	5,087.74	1/4	4,828.19	1/4	4,470.49	1/4	4,112.80	1/4	3,755.10	1/4	3,397.40	1/4	3,039.71	1/4	2,682.01	1/4	2,324.32	1/4	1,966.62	1/4	1,608.92	1/4	1,251.23	1/4	893.53	1/4	535.84	1/4	185.62	1/4	
1/2	5,087.32	1/2	4,820.74	1/2	4,463.04	1/2	4,105.34	1/2	3,747.65	1/2	3,389.95	1/2	3,032.26	1/2	2,674.56	1/2	2,316.86	1/2	1,959.17	1/2	1,601.47	1/2	1,243.78	1/2	886.08	1/2	528.38	1/2	178.66	1/2	
3/4	5,086.90	3/4	4,813.28	3/4	4,455.59	3/4	4,097.89	3/4	3,740.20	3/4	3,382.50	3/4	3,024.80	3/4	2,667.11	3/4	2,309.41	3/4	1,951.72	3/4	1,594.02	3/4	1,236.32	3/4	878.63	3/4	520.93	3/4	171.71	3/4	
7		7	5,086.49	7	4,805.83	7	4,448.14	7	4,090.44	7	3,732.74	7	3,375.05	7	2,659.66	7	2,301.96	7	1,944.26	7	1,586.57	7	1,228.87	7	871.18	7	513.48	7	164.76	7	
1/4	5,085.08	1/4	4,798.38	1/4	4,440.68	1/4	4,082.99	1/4	3,725.29	1/4	3,367.60	1/4	3,009.90	1/4	2,652.20	1/4	2,294.51	1/4	1,936.81	1/4	1,579.12	1/4	1,221.42	1/4	863.72	1/4	505.90	1/4	158.17	1/4	
1/2	5,083.66	1/2	4,790.93	1/2	4,433.23	1/2	4,075.54	1/2	3,717.84	1/2	3,360.14	1/2	3,002.45	1/2	2,644.75	1/2	2,287.06	1/2	1,929.36	1/2	1,571.66	1/2	1,213.97	1/2	856.27	1/2	498.32	1/2	151.59	1/2	
3/4	5,082.25	3/4	4,783.48	3/4	4,425.78	3/4	4,068.08	3/4	3,710.39	3/4	3,352.69	3/4	2,995.00	3/4	2,637.30	3/4	2,279.60	3/4	1,921.91	3/4	1,564.21	3/4	1,206.52	3/4	848.82	3/4	490.75	3/4	145.00	3/4	
8		8	5,080.84	8	4,776.02	8	4,418.33	8	4,060.63	8	3,702.94	8	3,345.24	8	2,987.54	8	2,629.85	8	2,272.15	8	1,914.46	8	1,556.76	8	1,199.06	8	841.37	8	483.17	8	138.42
1/4	5,078.29	1/4	4,768.57	1/4	4,410.88	1/4	4,053.18	1/4	3,695.48																						



**BUREAU
VERITAS**

BARGE "HFL - 3077" HINES FURLONG LINE

OUTAGE TABLE

2 PORT OR STAR

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

HULL NO. 4756

2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT		10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
0	0	5,051.14	0	4,710.46	0	4,350.63	0	3,990.05	0	3,629.48	0	3,268.90	0	2,908.32	0	2,547.75	0	2,187.17	0	1,826.60	0	1,466.02	0	1,105.44	0	744.87	0	384.29	0	36.27	
1/4	1/4	5,044.53	1/4	4,703.32	1/4	4,343.12	1/4	3,982.54	1/4	3,621.96	1/4	3,261.39	1/4	2,900.81	1/4	2,540.24	1/4	2,179.66	1/4	1,819.08	1/4	1,458.51	1/4	1,097.93	1/4	737.36	1/4	376.78	1/4	31.38	
1/2	1/2	5,037.92	1/2	4,696.18	1/2	4,335.60	1/2	3,975.03	1/2	3,614.45	1/2	3,253.88	1/2	2,893.30	1/2	2,532.72	1/2	2,172.15	1/2	1,811.57	1/2	1,451.00	1/2	1,090.42	1/2	729.84	1/2	369.27	1/2	26.48	
3/4	3/4	5,031.32	3/4	4,688.67	3/4	4,328.09	3/4	3,967.52	3/4	3,606.94	3/4	3,246.36	3/4	2,885.79	3/4	2,525.21	3/4	2,164.64	3/4	1,804.06	3/4	1,443.48	3/4	1,082.91	3/4	722.33	3/4	361.76	3/4	21.59	
1	1	5,024.71	1	4,681.16	1	4,320.58	1	3,960.00	1	3,599.43	1	3,238.85	1	2,878.28	1	2,517.70	1	2,157.12	1	1,796.55	1	1,435.97	1	1,075.40	1	714.82	1	354.24	1	16.70	
1/4	1/4	5,017.57	1/4	4,673.64	1/4	4,313.07	1/4	3,952.49	1/4	3,591.92	1/4	3,231.34	1/4	2,870.76	1/4	2,510.19	1/4	2,149.61	1/4	1,789.04	1/4	1,428.46	1/4	1,067.88	1/4	707.31	1/4	346.73	1/4	13.62	
1/2	1/2	5,010.43	1/2	4,666.13	1/2	4,305.56	1/2	3,944.98	1/2	3,584.40	1/2	3,223.83	1/2	2,863.25	1/2	2,502.68	1/2	2,142.10	1/2	1,781.52	1/2	1,420.95	1/2	1,060.37	1/2	699.80	1/2	339.22	1/2	10.54	
3/4	3/4	5,003.29	3/4	4,658.62	3/4	4,298.04	3/4	3,937.47	3/4	3,576.89	3/4	3,216.32	3/4	2,855.74	3/4	2,495.16	3/4	2,134.59	3/4	1,774.01	3/4	1,413.44	3/4	1,052.86	3/4	692.28	3/4	331.71	3/4	7.46	
2	2	4,996.14	2	4,651.11	2	4,290.53	2	3,929.96	2	3,569.38	2	3,208.80	2	2,848.23	2	2,487.65	2	2,127.08	2	1,766.50	2	1,405.92	2	1,045.35	2	684.77	2	324.20	2	4.38	
1/4	1/4	4,989.00	1/4	4,643.60	1/4	4,283.02	1/4	3,922.44	1/4	3,561.87	1/4	3,201.29	1/4	2,840.72	1/4	2,480.14	1/4	2,119.56	1/4	1,758.99	1/4	1,398.41	1/4	1,037.84	1/4	677.26	1/4	316.68	1/4	3.35	
1/2	1/2	4,981.86	1/2	4,636.08	1/2	4,275.51	1/2	3,914.93	1/2	3,554.36	1/2	3,193.78	1/2	2,833.20	1/2	2,472.63	1/2	2,112.05	1/2	1,751.48	1/2	1,390.90	1/2	1,030.32	1/2	669.75	1/2	309.17	1/2	2.33	
3/4	3/4	4,974.72	3/4	4,628.57	3/4	4,268.00	3/4	3,907.42	3/4	3,546.84	3/4	3,186.27	3/4	2,825.69	3/4	2,465.12	3/4	2,104.54	3/4	1,743.96	3/4	1,383.39	3/4	1,022.81	3/4	662.24	3/4	301.66	3/4	1.30	
3	3	4,967.58	3	4,621.06	3	4,260.48	3	3,899.91	3	3,539.33	3	3,178.76	3	2,818.18	3	2,457.60	3	2,097.03	3	1,736.45	3	1,375.88	3	1,015.30	3	654.72	3	294.15	3	—	
1/4	1/4	4,960.43	1/4	4,613.55	1/4	4,252.97	1/4	3,892.40	1/4	3,531.82	1/4	3,171.24	1/4	2,810.67	1/4	2,450.09	1/4	2,089.52	1/4	1,728.94	1/4	1,368.36	1/4	1,007.79	1/4	647.21	1/4	286.64	1/4	—	
1/2	1/2	4,953.29	1/2	4,606.04	1/2	4,245.46	1/2	3,884.88	1/2	3,524.31	1/2	3,163.73	1/2	2,803.16	1/2	2,442.58	1/2	2,082.00	1/2	1,721.43	1/2	1,360.85	1/2	1,000.28	1/2	639.70	1/2	279.12	1/2	—	
3/4	3/4	4,946.15	3/4	4,598.52	3/4	4,237.95	3/4	3,877.37	3/4	3,516.80	3/4	3,156.22	3/4	2,795.64	3/4	2,435.07	3/4	2,074.49	3/4	1,713.92	3/4	1,353.34	3/4	992.76	3/4	632.19	3/4	271.61	3/4	—	
4	4	4,939.01	4	4,591.01	4	4,230.44	4	3,869.86	4	3,509.28	4	3,148.71	4	2,788.13	4	2,427.56	4	2,066.98	4	1,706.40	4	1,345.83	4	985.25	4	624.68	4	264.10	4	—	
1/4	1/4	4,931.87	1/4	4,583.50	1/4	4,222.92	1/4	3,862.35	1/4	3,501.77	1/4	3,141.20	1/4	2,780.62	1/4	2,420.04	1/4	2,059.47	1/4	1,698.89	1/4	1,338.32	1/4	977.74	1/4	617.16	1/4	256.59	1/4	—	
1/2	1/2	4,924.72	1/2	4,575.99	1/2	4,215.41	1/2	3,854.84	1/2	3,494.26	1/2	3,133.68	1/2	2,773.11	1/2	2,412.53	1/2	2,051.96	1/2	1,691.38	1/2	1,330.80	1/2	970.23	1/2	609.65	1/2	249.08	1/2	—	
3/4	3/4	4,917.58	3/4	4,568.48	3/4	4,207.90	3/4	3,847.32	3/4	3,486.75	3/4	3,126.17	3/4	2,765.60	3/4	2,405.02	3/4	2,044.44	3/4	1,683.87	3/4	1,323.29	3/4	962.72	3/4	602.14	3/4	241.56	3/4	—	
5	5	4,910.44	5	4,560.96	5	4,200.39	5	3,839.81	5	3,479.24	5	3,118.66	5	2,758.08	5	2,397.51	5	2,036.93	5	1,676.36	5	1,315.78	5	955.20	5	594.63	5	234.05	5	—	
1/4	1/4	4,903.30	1/4	4,553.45	1/4	4,192.88	1/4	3,832.30	1/4	3,471.72	1/4	3,111.15	1/4	2,750.57	1/4	2,390.00	1/4	2,029.42	1/4	1,668.84	1/4	1,308.27	1/4	947.69	1/4	587.12	1/4	226.54	1/4	—	
1/2	1/2	4,896.16	1/2	4,545.94	1/2	4,185.36	1/2	3,824.79	1/2	3,464.21	1/2	3,103.64	1/2	2,743.06	1/2	2,382.48	1/2	2,021.91	1/2	1,661.33	1/2	1,300.76	1/2	940.18	1/2	579.60	1/2	219.03	1/2	—	
3/4	3/4	4,889.01	3/4	4,538.43	3/4	4,177.85	3/4	3,817.28	3/4	3,456.70	3/4	3,096.12	3/4	2,735.55	3/4	2,374.97	3/4	2,014.40	3/4	1,653.82	3/4	1,293.24	3/4	932.67	3/4	572.09	3/4	211.52	3/4	—	
6	6	4,881.87	6	4,530.92	6	4,170.34	6	3,809.76	6	3,449.19	6	3,088.61	6	2,728.04	6	2,367.46	6	2,006.88	6	1,646.31	6	1,285.73	6	925.16	6	564.58	6	204.00	6	—	
1/4	1/4	5,121.53	1/4	4,874.73	1/4	4,523.40	1/4	4,162.83	1/4	3,802.25	1/4	3,441.68	1/4	3,081.10	1/4	2,720.52	1/4	2,359.95	1/4	1,999.37	1/4	1,638.80	1/4	1,278.22	1/4	917.64	1/4	557.07	1/4	196.49	
1/2	1/2	5,121.13	1/2	4,867.59	1/2	4,515.89	1/2	4,155.32	1/2	3,794.74	1/2	3,434.16	1/2	3,073.59	1/2	2,713.01	1/2	2,352.44	1/2	1,991.86	1/2	1,631.28	1/2	1,270.71	1/2	910.13	1/2	549.56	1/2	188.98	
3/4	3/4	5,120.73	3/4	4,860.45	3/4	4,508.38	3/4	4,147.80	3/4	3,787.23	3/4	3,426.65	3/4	3,066.08	3/4	2,705.50	3/4	2,344.92	3/4	1,984.35	3/4	1,623.77	3/4	1,263.20	3/4	902.62	3/4	542.04	3/4	181.47	
7	7	5,120.34	7	4,853.30	7	4,500.87	7	4,140.29	7	3,779.72	7	3,419.14	7	3,058.56	7	2,697.99	7	2,337.41	7	1,976.84	7	1,616.26	7	1,255.68	7	895.11	7	534.53	7	173.96	
1/4	1/4	5,119.01	1/4	4,846.16	1/4	4,493.36	1/4	4,132.78	1/4	3,772.20	1/4	3,411.63	1/4	3,051.05	1/4	2,690.48	1/4	2,329.90	1/4	1,969.32	1/4	1,608.75	1/4	1,248.17	1/4	887.60	1/4	527.02	1/4	167.02	
1/2	1/2	5,117.68	1/2	4,839.02	1/2	4,485.84	1/2	4,125.27	1/2	3,764.69	1/2	3,404.12	1/2	3,043.54	1/2	2,682.96	1/2	2,322.39	1/2	1,961.81	1/2	1,601.24	1/2	1,240.66	1/2	880.08	1/2	519.51	1/2	160.09	
3/4	3/4	5,116.35	3/4	4,831.88	3/4	4,478.33	3/4	4,117.76	3/4	3,757.18	3/4	3,396.60	3/4	3,036.03	3/4	2,675.45	3/4	2,314.88	3/4	1,954.30	3/4	1,593.72	3/4	1,233.15	3/4	872.57	3/4	512.00	3/4	153.15	
8	8	5,115.02	8	4,824.74	8	4,470.82	8	4,110.24	8	3,749.67	8	3,389.09	8	3,028.52	8	2,667.94	8	2,307.36	8	1,946.79	8	1,586.21	8	1,225.64	8	865.06	8	504.48	8	146.22	
1/4	1/4	5,112.63	1/4	4,817.59	1/4	4,463.31	1/4	4,102.73	1/4	3,742.16	1/4	3,381.58	1/4	3,021.00	1/4	2,660.43	1/4	2,299.85	1/4	1,939.28	1/4	1,578.70	1/4	1,218.12	1/4	857.55	1/4	496.97	1/4	139.29	
1/2	1/2	5,110.24	1/2	4,810.45	1/2	4,455.80	1/2	4,095.22	1/2	3,734.64	1/2	3,374.07	1/2	3,013.49	1/2	2,652.92	1/2	2,292.34	1/2	1,931.76	1/2	1,571.19	1/2	1,210.61	1/2	850.04	1/2	489.46	1/2	132.35	
3/4	3/4	5,107.84	3/4	4,803.31	3/4	4,448.28	3/4	4,087.71	3/4	3,727.13	3/4	3,366.56	3/4	3,005.98	3/4	2,645.40	3/4	2,284.83	3/4	1,924.25	3/4	1,563.68	3/4	1,203.10	3/4	842.52	3/4	481.95	3/4	125.42	
9	9	5,105.45	9	4,796.17	9	4,440.77	9	4,080.20	9	3,719.62	9	3,359.04	9	2,998.47	9	2,637.89	9	2,277.32	9	1,916.74	9	1,556.16	9	1,195.59	9	835.01	9	474.44	9	118.48	
1/4	1/4	5,101.99	1/4	4,789.03	1/4	4,433.26	1/4	4,072.68	1/4	3,712.11	1/4	3,351.53	1/4	2,990.96	1/																



**BUREAU
VERITAS**

BARGE "HFL - 3077" HINES FURLONG LINE

OUTAGE TABLE

3 PORT OR STAR

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

HULL NO. 4756

2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT		10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
0	0	4,649.46	0	4,397.40	0	4,143.76	0	3,890.13	0	3,636.50	0	3,307.84	0	2,944.29	0	2,580.74	0	2,217.19	0	1,853.63	0	1,490.08	0	1,126.53	0	762.87	0	398.02	0	38.68	
1/4	1/4	4,644.57	1/4	4,392.11	1/4	4,138.48	1/4	3,884.85	1/4	3,631.22	1/4	3,300.27	1/4	2,936.72	1/4	2,573.16	1/4	2,209.61	1/4	1,846.06	1/4	1,482.51	1/4	1,118.96	1/4	755.29	1/4	390.41	1/4	33.48	
1/2	1/2	4,639.67	1/2	4,386.83	1/2	4,133.20	1/2	3,879.56	1/2	3,625.93	1/2	3,292.69	1/2	2,929.14	1/2	2,565.59	1/2	2,202.04	1/2	1,838.49	1/2	1,474.93	1/2	1,111.38	1/2	747.72	1/2	382.80	1/2	28.29	
3/4	3/4	4,634.78	3/4	4,381.54	3/4	4,127.91	3/4	3,874.28	3/4	3,620.52	3/4	3,285.12	3/4	2,921.57	3/4	2,558.02	3/4	2,194.46	3/4	1,830.91	3/4	1,467.36	3/4	1,103.81	3/4	740.14	3/4	375.20	3/4	23.10	
1	1	4,629.89	1	4,376.26	1	4,122.63	1	3,869.00	1	3,615.11	1	3,277.55	1	2,913.99	1	2,550.44	1	2,186.89	1	1,823.34	1	1,459.79	1	1,096.23	1	732.56	1	367.59	1	17.91	
1/4	1/4	4,624.61	1/4	4,370.98	1/4	4,117.34	1/4	3,863.71	1/4	3,609.70	1/4	3,269.97	1/4	2,906.42	1/4	2,542.87	1/4	2,179.32	1/4	1,815.76	1/4	1,452.21	1/4	1,088.66	1/4	724.99	1/4	359.98	1/4	14.58	
1/2	1/2	4,619.32	1/2	4,365.69	1/2	4,112.06	1/2	3,858.43	1/2	3,603.98	1/2	3,262.40	1/2	2,898.85	1/2	2,535.29	1/2	2,171.74	1/2	1,808.19	1/2	1,444.64	1/2	1,081.09	1/2	717.41	1/2	352.37	1/2	11.25	
3/4	3/4	4,614.04	3/4	4,360.41	3/4	4,106.78	3/4	3,853.14	3/4	3,598.26	3/4	3,254.82	3/4	2,891.27	3/4	2,527.72	3/4	2,164.17	3/4	1,800.62	3/4	1,437.06	3/4	1,073.51	3/4	709.83	3/4	344.76	3/4	7.92	
2	2	4,608.76	2	4,355.12	2	4,101.49	2	3,847.86	2	3,592.55	2	3,247.25	2	2,883.70	2	2,520.15	2	2,156.59	2	1,793.04	2	1,429.49	2	1,065.94	2	702.25	2	337.15	2	4.59	
1/4	1/4	4,603.47	1/4	4,349.84	1/4	4,096.21	1/4	3,842.58	1/4	3,586.83	1/4	3,239.68	1/4	2,876.12	1/4	2,512.57	1/4	2,149.02	1/4	1,785.47	1/4	1,421.92	1/4	1,058.36	1/4	694.68	1/4	329.54	1/4	3.51	
1/2	1/2	4,598.19	1/2	4,344.56	1/2	4,090.92	1/2	3,837.29	1/2	3,580.77	1/2	3,232.10	1/2	2,868.55	1/2	2,505.00	1/2	2,141.45	1/2	1,777.89	1/2	1,414.34	1/2	1,050.79	1/2	687.10	1/2	321.93	1/2	2.44	
3/4	3/4	4,592.90	3/4	4,339.27	3/4	4,085.64	3/4	3,832.01	3/4	3,574.71	3/4	3,224.53	3/4	2,860.98	3/4	2,497.42	3/4	2,133.87	3/4	1,770.32	3/4	1,406.77	3/4	1,043.22	3/4	679.52	3/4	314.32	3/4	1.36	
3	3	4,587.62	3	4,333.99	3	4,080.36	3	3,826.72	3	3,568.64	3	3,216.95	3	2,853.40	3	2,489.85	3	2,126.30	3	1,762.75	3	1,399.19	3	1,035.64	3	671.95	3	306.71	3		
1/4	1/4	4,582.34	1/4	4,328.70	1/4	4,075.07	1/4	3,821.44	1/4	3,562.58	1/4	3,209.38	1/4	2,845.83	1/4	2,482.28	1/4	2,118.72	1/4	1,755.17	1/4	1,391.62	1/4	1,028.07	1/4	664.34	1/4	299.11	1/4		
1/2	1/2	4,577.05	1/2	4,323.42	1/2	4,069.79	1/2	3,816.16	1/2	3,556.17	1/2	3,201.81	1/2	2,838.25	1/2	2,474.70	1/2	2,111.15	1/2	1,747.60	1/2	1,384.05	1/2	1,020.49	1/2	656.73	1/2	291.50	1/2		
3/4	3/4	4,571.77	3/4	4,318.14	3/4	4,064.50	3/4	3,810.87	3/4	3,549.77	3/4	3,194.23	3/4	2,830.68	3/4	2,467.13	3/4	2,103.58	3/4	1,740.02	3/4	1,376.47	3/4	1,012.91	3/4	649.12	3/4	283.89	3/4		
4	4	4,566.48	4	4,312.85	4	4,059.22	4	3,805.59	4	3,543.36	4	3,186.66	4	2,823.11	4	2,459.55	4	2,096.00	4	1,732.45	4	1,368.90	4	1,005.33	4	641.51	4	276.28	4		
1/4	1/4	4,561.20	1/4	4,307.57	1/4	4,053.94	1/4	3,800.30	1/4	3,536.95	1/4	3,179.08	1/4	2,815.53	1/4	2,451.98	1/4	2,088.43	1/4	1,724.88	1/4	1,361.32	1/4	1,000.00	1/4	633.90	1/4	268.67	1/4		
1/2	1/2	4,555.92	1/2	4,302.28	1/2	4,048.65	1/2	3,795.02	1/2	3,530.20	1/2	3,171.51	1/2	2,807.96	1/2	2,444.41	1/2	2,080.85	1/2	1,717.30	1/2	1,353.75	1/2	990.18	1/2	626.29	1/2	261.06	1/2		
3/4	3/4	4,550.63	3/4	4,297.00	3/4	4,043.37	3/4	3,789.74	3/4	3,523.44	3/4	3,163.94	3/4	2,800.38	3/4	2,436.83	3/4	2,073.28	3/4	1,709.73	3/4	1,346.18	3/4	982.60	3/4	618.68	3/4	253.45	3/4		
5	5	4,545.35	5	4,291.72	5	4,038.08	5	3,784.45	5	3,516.69	5	3,156.36	5	2,792.81	5	2,429.26	5	2,065.71	5	1,702.15	5	1,338.60	5	975.03	5	611.07	5	245.84	5		
1/4	1/4	4,540.06	1/4	4,286.43	1/4	4,032.80	1/4	3,779.17	1/4	3,509.94	1/4	3,148.79	1/4	2,785.24	1/4	2,421.68	1/4	2,058.13	1/4	1,694.58	1/4	1,331.03	1/4	967.45	1/4	603.47	1/4	238.23	1/4		
1/2	1/2	4,534.78	1/2	4,281.15	1/2	4,027.52	1/2	3,773.88	1/2	3,502.84	1/2	3,141.21	1/2	2,777.66	1/2	2,414.11	1/2	2,050.56	1/2	1,687.01	1/2	1,323.45	1/2	959.87	1/2	595.86	1/2	230.62	1/2		
3/4	3/4	4,529.50	3/4	4,275.86	3/4	4,022.23	3/4	3,768.60	3/4	3,495.74	3/4	3,133.64	3/4	2,770.09	3/4	2,406.54	3/4	2,042.98	3/4	1,679.43	3/4	1,315.88	3/4	952.30	3/4	588.25	3/4	223.02	3/4		
6	6	4,524.21	6	4,270.58	6	4,016.95	6	3,763.32	6	3,488.64	6	3,126.07	6	2,762.51	6	2,398.96	6	2,035.41	6	1,671.86	6	1,308.31	6	944.72	6	580.64	6	215.41	6		
1/4	1/4	4,701.17	1/4	4,518.93	1/4	4,265.30	1/4	4,011.66	1/4	3,758.03	1/4	3,481.54	1/4	3,118.49	1/4	2,754.94	1/4	2,027.84	1/4	1,664.28	1/4	1,300.73	1/4	937.14	1/4	573.03	1/4	207.80	1/4		
1/2	1/2	4,700.88	1/2	4,513.64	1/2	4,260.01	1/2	4,006.38	1/2	3,752.75	1/2	3,474.09	1/2	3,110.92	1/2	2,747.37	1/2	2,383.81	1/2	2,020.26	1/2	1,656.71	1/2	929.56	1/2	565.42	1/2	200.19	1/2		
3/4	3/4	4,700.59	3/4	4,508.36	3/4	4,254.73	3/4	4,001.10	3/4	3,747.46	3/4	3,466.64	3/4	3,103.34	3/4	2,739.79	3/4	2,376.24	3/4	2,012.69	3/4	1,649.14	3/4	921.99	3/4	557.81	3/4	192.58	3/4		
7	7	4,700.30	7	4,503.08	7	4,249.44	7	3,995.81	7	3,742.18	7	3,459.20	7	3,095.77	7	2,732.22	7	2,368.67	7	2,005.11	7	1,641.56	7	914.41	7	520.20	7	184.97	7		
1/4	1/4	4,699.33	1/4	4,497.79	1/4	4,244.16	1/4	3,990.53	1/4	3,736.90	1/4	3,451.75	1/4	3,088.20	1/4	2,724.64	1/4	2,361.09	1/4	1,997.54	1/4	1,633.99	1/4	906.83	1/4	542.59	1/4	177.60	1/4		
1/2	1/2	4,698.35	1/2	4,492.51	1/2	4,238.88	1/2	3,985.24	1/2	3,731.61	1/2	3,444.17	1/2	3,080.62	1/2	2,717.07	1/2	2,353.52	1/2	1,989.97	1/2	1,626.41	1/2	899.26	1/2	534.98	1/2	170.23	1/2		
3/4	3/4	4,697.38	3/4	4,487.22	3/4	4,233.59	3/4	3,979.96	3/4	3,726.33	3/4	3,436.60	3/4	3,073.05	3/4	2,709.50	3/4	2,345.94	3/4	1,982.39	3/4	1,618.84	3/4	891.68	3/4	527.38	3/4	162.86	3/4		
8	8	4,696.40	8	4,481.94	8	4,228.31	8	3,974.68	8	3,721.04	8	3,429.03	8	3,065.47	8	2,701.92	8	2,338.37	8	1,974.82	8	1,611.27	8	884.10	8	519.77	8	155.49	8		
1/4	1/4	4,694.64	1/4	4,476.66	1/4	4,223.02	1/4	3,969.39	1/4	3,715.76	1/4	3,421.45	1/4	3,057.90	1/4	2,694.35	1/4	2,330.80	1/4	1,967.24	1/4	1,603.69	1/4	876.53	1/4	512.16	1/4	148.13	1/4		
1/2	1/2	4,692.88	1/2	4,471.37	1/2	4,217.74	1/2	3,964.11	1/2	3,710.48	1/2	3,413.88	1/2	3,050.33	1/2	2,686.77	1/2	2,323.22	1/2	1,959.67	1/2	1,596.12	1/2	868.95	1/2	504.55	1/2	140.76	1/2		
3/4	3/4	4,691.12	3/4	4,466.09	3/4	4,212.46	3/4	3,958.82	3/4	3,705.19	3/4	3,406.30	3/4	3,042.75	3/4	2,679.20	3/4	2,315.65	3/4	1,952.10	3/4	1,588.54	3/4	861.37	3/4	496.94	3/4	133.39	3/4		
9	9	4,689.36	9	4,460.80	9	4,207.17	9	3,953.54	9	3,699.91	9	3,398.73	9	3,035.18	9	2,671.63	9	2,308.07	9	1,944.52	9	1,580.97	9	853.79	9	489.33	9	126.02	9		
1/4	1/4	4,686.81	1/4	4,455.52	1/4	4,201.89	1/4	3,948.26	1/4	3,694.62	1/4	3,391.16	1/4	3,027.60	1/4	2,664.05	1/4	2,300.50	1/4	1,936.95	1/4	1,573.40	1/4	846.22	1/4	481.72	1/4				



**BUREAU
VERITAS**

BARGE "HFL - 3077" HINES FURLONG LINE

OUTAGE TABLE

1 PORT OR STAR

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

HULL NO. 4756

2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT		10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	4,954.87	0	4,597.18	0	4,239.48	0	3,881.78	0	3,524.09	0	3,166.39	0	2,808.70	0	2,451.00	0	2,093.30	0	1,735.61	0	1,377.91	0	1,020.22	0	662.52	0	305.80	0	5.40
1/4		1/4	4,947.42	1/4	4,589.72	1/4	4,232.03	1/4	3,874.33	1/4	3,516.64	1/4	3,158.94	1/4	2,801.24	1/4	2,443.55	1/4	2,085.85	1/4	1,728.16	1/4	1,370.46	1/4	1,012.76	1/4	655.07	1/4	298.60	1/4	4.12
1/2		1/2	4,939.97	1/2	4,582.27	1/2	4,224.58	1/2	3,866.88	1/2	3,509.18	1/2	3,151.49	1/2	2,793.79	1/2	2,436.10	1/2	2,078.40	1/2	1,720.70	1/2	1,363.01	1/2	1,005.31	1/2	647.62	1/2	291.39	1/2	2.84
3/4		3/4	4,932.52	3/4	4,574.82	3/4	4,217.12	3/4	3,859.43	3/4	3,501.73	3/4	3,144.04	3/4	2,786.34	3/4	2,428.64	3/4	2,070.95	3/4	1,713.25	3/4	1,355.56	3/4	997.86	3/4	640.16	3/4	284.19	3/4	* 1.56
1		1	4,925.06	1	4,567.37	1	4,209.67	1	3,851.98	1	3,494.28	1	3,136.58	1	2,778.89	1	2,421.19	1	2,063.50	1	1,705.80	1	1,348.10	1	990.41	1	632.71	1	276.98	1	
1/4		1/4	4,917.61	1/4	4,559.92	1/4	4,202.22	1/4	3,844.52	1/4	3,486.83	1/4	3,129.13	1/4	2,771.44	1/4	2,413.74	1/4	2,056.04	1/4	1,698.35	1/4	1,340.65	1/4	982.96	1/4	625.26	1/4	269.91	1/4	
1/2		1/2	4,910.16	1/2	4,552.46	1/2	4,194.77	1/2	3,837.07	1/2	3,479.38	1/2	3,121.68	1/2	2,763.98	1/2	2,406.29	1/2	2,048.59	1/2	1,690.90	1/2	1,333.20	1/2	975.50	1/2	617.81	1/2	262.83	1/2	
3/4		3/4	4,902.71	3/4	4,545.01	3/4	4,187.32	3/4	3,829.62	3/4	3,471.92	3/4	3,114.23	3/4	2,756.53	3/4	2,398.84	3/4	2,041.14	3/4	1,683.44	3/4	1,325.75	3/4	968.05	3/4	610.36	3/4	255.76	3/4	
2		2	4,895.26	2	4,537.56	2	4,179.86	2	3,822.17	2	3,464.47	2	3,106.78	2	2,749.08	2	2,391.38	2	2,033.69	2	1,675.99	2	1,318.30	2	960.60	2	602.90	2	248.68	2	
1/4		1/4	4,887.80	1/4	4,530.11	1/4	4,172.41	1/4	3,814.72	1/4	3,457.02	1/4	3,099.32	1/4	2,741.63	1/4	2,383.93	1/4	2,026.24	1/4	1,668.54	1/4	1,310.84	1/4	953.15	1/4	595.45	1/4	241.60	1/4	
1/2		1/2	4,880.35	1/2	4,522.66	1/2	4,164.96	1/2	3,807.26	1/2	3,449.57	1/2	3,121.87	1/2	2,734.18	1/2	2,376.48	1/2	2,018.78	1/2	1,661.09	1/2	1,303.39	1/2	945.70	1/2	588.00	1/2	234.53	1/2	
3/4		3/4	4,872.90	3/4	4,515.20	3/4	4,157.51	3/4	3,799.81	3/4	3,442.12	3/4	3,084.42	3/4	2,726.72	3/4	2,369.03	3/4	2,011.33	3/4	1,653.64	3/4	1,295.94	3/4	938.24	3/4	580.55	3/4	227.45	3/4	
3		3	4,865.45	3	4,507.75	3	4,150.06	3	3,792.36	3	3,434.66	3	3,076.97	3	2,719.27	3	2,361.58	3	2,003.88	3	1,646.18	3	1,288.49	3	930.79	3	573.10	3	220.38	3	
1/4		1/4	4,858.00	1/4	4,500.30	1/4	4,142.60	1/4	3,784.91	1/4	3,427.21	1/4	3,069.52	1/4	2,711.82	1/4	2,354.12	1/4	1,996.43	1/4	1,638.73	1/4	1,281.04	1/4	923.34	1/4	565.64	1/4	213.42	1/4	
1/2		1/2	4,850.54	1/2	4,492.85	1/2	4,135.15	1/2	3,777.46	1/2	3,419.76	1/2	3,062.06	1/2	2,704.37	1/2	2,346.67	1/2	1,988.98	1/2	1,631.28	1/2	1,273.58	1/2	915.89	1/2	558.19	1/2	206.47	1/2	
3/4		3/4	4,843.09	3/4	4,485.40	3/4	4,127.70	3/4	3,770.00	3/4	3,412.31	3/4	3,054.61	3/4	2,696.92	3/4	2,339.22	3/4	1,981.52	3/4	1,623.83	3/4	1,266.13	3/4	908.44	3/4	550.74	3/4	199.52	3/4	
4		4	4,835.64	4	4,477.94	4	4,120.25	4	3,762.55	4	3,404.86	4	3,047.16	4	2,689.46	4	2,331.77	4	1,974.07	4	1,616.38	4	1,258.68	4	900.98	4	543.29	4	192.57	4	
1/4	5,087.74	1/4	4,828.19	1/4	4,470.49	1/4	4,112.80	1/4	3,755.10	1/4	3,397.40	1/4	3,039.71	1/4	2,682.01	1/4	2,324.32	1/4	1,966.62	1/4	1,608.92	1/4	1,251.23	1/4	893.53	1/4	535.84	1/4	185.62	1/4	
1/2	5,087.32	1/2	4,820.74	1/2	4,463.04	1/2	4,105.34	1/2	3,747.65	1/2	3,389.95	1/2	3,032.26	1/2	2,674.56	1/2	2,316.86	1/2	1,959.17	1/2	1,601.47	1/2	1,243.78	1/2	886.08	1/2	528.38	1/2	178.66	1/2	
3/4	5,086.90	3/4	4,813.28	3/4	4,455.59	3/4	4,097.89	3/4	3,740.20	3/4	3,382.50	3/4	3,024.80	3/4	2,667.11	3/4	2,309.41	3/4	1,951.72	3/4	1,594.02	3/4	1,236.32	3/4	878.63	3/4	520.93	3/4	171.71	3/4	
5		5	4,805.83	5	4,448.14	5	4,090.44	5	3,732.74	5	3,375.05	5	3,017.35	5	2,659.66	5	2,301.96	5	1,944.26	5	1,586.57	5	1,228.87	5	871.18	5	513.48	5	164.76	5	
1/4	5,085.08	1/4	4,798.38	1/4	4,440.68	1/4	4,082.99	1/4	3,725.29	1/4	3,367.60	1/4	3,009.90	1/4	2,652.20	1/4	2,294.51	1/4	1,936.81	1/4	1,579.12	1/4	1,221.42	1/4	863.72	1/4	505.90	1/4	158.17	1/4	
1/2	5,083.66	1/2	4,790.93	1/2	4,433.23	1/2	4,075.54	1/2	3,717.84	1/2	3,360.14	1/2	3,002.45	1/2	2,644.75	1/2	2,287.06	1/2	1,929.36	1/2	1,571.66	1/2	1,213.97	1/2	856.27	1/2	498.32	1/2	151.59	1/2	
3/4	5,082.25	3/4	4,783.48	3/4	4,425.78	3/4	4,068.08	3/4	3,710.39	3/4	3,352.69	3/4	2,995.00	3/4	2,637.30	3/4	2,279.60	3/4	1,921.91	3/4	1,564.21	3/4	1,206.52	3/4	848.82	3/4	490.75	3/4	145.00	3/4	
6		6	4,776.02	6	4,418.33	6	4,060.63	6	3,702.94	6	3,345.24	6	2,987.54	6	2,629.85	6	2,272.15	6	1,914.46	6	1,556.76	6	1,199.06	6	841.37	6	483.17	6	138.42	6	
1/4	5,078.29	1/4	4,768.57	1/4	4,410.88	1/4	4,053.18	1/4	3,695.48	1/4	3,337.79	1/4	2,980.09	1/4	2,622.40	1/4	2,264.70	1/4	1,907.00	1/4	1,549.31	1/4	1,191.61	1/4	833.92	1/4	475.59	1/4	131.83	1/4	
1/2	5,075.75	1/2	4,761.12	1/2	4,403.42	1/2	4,045.73	1/2	3,688.03	1/2	3,330.34	1/2	2,972.64	1/2	2,614.94	1/2	2,257.25	1/2	1,899.55	1/2	1,541.86	1/2	1,184.16	1/2	826.46	1/2	468.01	1/2	125.24	1/2	
3/4	5,073.20	3/4	4,753.67	3/4	4,395.97	3/4	4,038.28	3/4	3,680.58	3/4	3,322.88	3/4	2,965.19	3/4	2,607.49	3/4	2,249.80	3/4	1,892.10	3/4	1,534.40	3/4	1,176.71	3/4	819.01	3/4	460.43	3/4	118.66	3/4	
7		7	4,746.22	7	4,388.52	7	4,030.82	7	3,673.13	7	3,315.43	7	2,957.74	7	2,600.04	7	2,242.34	7	1,884.65	7	1,526.95	7	1,169.26	7	811.56	7	452.86	7	112.07	7	
1/4	5,066.98	1/4	4,738.76	1/4	4,381.07	1/4	4,023.37	1/4	3,665.68	1/4	3,307.98	1/4	2,950.28	1/4	2,592.59	1/4	2,234.89	1/4	1,877.20	1/4	1,519.50	1/4	1,161.80	1/4	804.11	1/4	445.40	1/4	105.61	1/4	
1/2	5,063.31	1/2	4,731.31	1/2	4,373.62	1/2	4,015.92	1/2	3,658.22	1/2	3,300.53	1/2	2,942.83	1/2	2,585.14	1/2	2,227.44	1/2	1,869.74	1/2	1,512.05	1/2	1,154.35	1/2	796.66	1/2	437.95	1/2	99.14	1/2	
3/4	5,059.63	3/4	4,723.86	3/4	4,366.16	3/4	4,008.47	3/4	3,650.77	3/4	3,293.08	3/4	2,935.38	3/4	2,577.68	3/4	2,219.99	3/4	1,862.29	3/4	1,504.60	3/4	1,146.90	3/4	789.20	3/4	430.50	3/4	92.68	3/4	
8		8	4,716.41	8	4,358.71	8	4,001.02	8	3,643.32	8	3,285.62	8	2,927.93	8	2,570.23	8	2,212.54	8	1,854.84	8	1,497.14	8	1,139.45	8	781.75	8	423.05	8	86.22	8	
1/4	5,051.15	1/4	4,708.96	1/4	4,351.26	1/4	3,993.56	1/4	3,635.87	1/4	3,278.17																				



**BUREAU
VERITAS**

BARGE "HFL - 3077" HINES FURLONG LINE

OUTAGE TABLE

2 PORT OR STAR

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

HULL NO. 4756

2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT		10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	5,010.43	0	4,666.13	0	4,305.56	0	3,944.98	0	3,584.40	0	3,223.83	0	2,863.25	0	2,502.68	0	2,142.10	0	1,781.52	0	1,420.95	0	1,060.37	0	699.80	0	339.22	0	10.54
1/4		1/4	5,003.29	1/4	4,658.62	1/4	4,298.04	1/4	3,937.47	1/4	3,576.89	1/4	3,216.32	1/4	2,855.74	1/4	2,495.16	1/4	2,134.59	1/4	1,774.01	1/4	1,413.44	1/4	1,052.86	1/4	692.28	1/4	331.71	1/4	7.46
1/2		1/2	4,996.14	1/2	4,651.11	1/2	4,290.53	1/2	3,929.96	1/2	3,569.38	1/2	3,208.80	1/2	2,848.23	1/2	2,487.65	1/2	2,127.08	1/2	1,766.50	1/2	1,405.92	1/2	1,045.35	1/2	684.77	1/2	324.20	1/2	4.38
3/4		3/4	4,989.00	3/4	4,643.60	3/4	4,283.02	3/4	3,922.44	3/4	3,561.87	3/4	3,201.29	3/4	2,840.72	3/4	2,480.14	3/4	2,119.56	3/4	1,758.99	3/4	1,398.41	3/4	1,037.84	3/4	677.26	3/4	316.68	3/4	3.35
1		1	4,981.86	1	4,636.08	1	4,275.51	1	3,914.93	1	3,554.36	1	3,193.78	1	2,833.20	1	2,472.63	1	2,112.05	1	1,751.48	1	1,390.90	1	1,030.32	1	669.75	1	309.17	1	2.33
1/4		1/4	4,974.72	1/4	4,628.57	1/4	4,268.00	1/4	3,907.42	1/4	3,546.84	1/4	3,186.27	1/4	2,825.69	1/4	2,465.12	1/4	2,104.54	1/4	1,743.96	1/4	1,383.39	1/4	1,022.81	1/4	662.24	1/4	301.66	1/4	1.30
1/2		1/2	4,967.58	1/2	4,621.06	1/2	4,260.48	1/2	3,899.91	1/2	3,539.33	1/2	3,178.76	1/2	2,818.18	1/2	2,457.60	1/2	2,097.03	1/2	1,736.45	1/2	1,375.88	1/2	1,015.30	1/2	654.72	1/2	294.15	1/2	
3/4		3/4	4,960.43	3/4	4,613.55	3/4	4,252.97	3/4	3,892.40	3/4	3,531.82	3/4	3,171.24	3/4	2,810.67	3/4	2,450.09	3/4	2,089.52	3/4	1,728.94	3/4	1,368.36	3/4	1,007.79	3/4	647.21	3/4	286.64	3/4	
2		2	4,953.29	2	4,606.04	2	4,245.46	2	3,884.88	2	3,524.31	2	3,163.73	2	2,803.16	2	2,442.58	2	2,082.00	2	1,721.43	2	1,360.85	2	1,000.28	2	639.70	2	279.12	2	
1/4		1/4	4,946.15	1/4	4,598.52	1/4	4,237.95	1/4	3,877.37	1/4	3,516.80	1/4	3,156.22	1/4	2,795.64	1/4	2,435.07	1/4	2,074.49	1/4	1,713.92	1/4	1,353.34	1/4	992.76	1/4	632.19	1/4	271.61	1/4	
1/2		1/2	4,939.01	1/2	4,591.01	1/2	4,230.44	1/2	3,869.86	1/2	3,509.28	1/2	3,148.71	1/2	2,788.13	1/2	2,427.56	1/2	2,066.98	1/2	1,706.40	1/2	1,345.83	1/2	985.25	1/2	624.68	1/2	264.10	1/2	
3/4		3/4	4,931.87	3/4	4,583.50	3/4	4,222.92	3/4	3,862.35	3/4	3,501.77	3/4	3,141.20	3/4	2,780.62	3/4	2,420.04	3/4	2,059.47	3/4	1,698.89	3/4	1,338.32	3/4	977.74	3/4	617.16	3/4	256.59	3/4	
3		3	4,924.72	3	4,575.99	3	4,215.41	3	3,854.84	3	3,494.26	3	3,133.68	3	2,773.11	3	2,412.53	3	2,051.96	3	1,691.38	3	1,330.80	3	970.23	3	609.65	3	249.08	3	
1/4		1/4	4,917.58	1/4	4,568.48	1/4	4,207.90	1/4	3,847.32	1/4	3,486.75	1/4	3,126.17	1/4	2,765.60	1/4	2,405.02	1/4	2,044.44	1/4	1,683.87	1/4	1,323.29	1/4	962.72	1/4	602.14	1/4	241.56	1/4	
1/2		1/2	4,910.44	1/2	4,560.96	1/2	4,200.39	1/2	3,839.81	1/2	3,479.24	1/2	3,118.66	1/2	2,758.08	1/2	2,397.51	1/2	2,036.93	1/2	1,676.36	1/2	1,315.78	1/2	955.20	1/2	594.63	1/2	234.05	1/2	
3/4		3/4	4,903.30	3/4	4,553.45	3/4	4,192.88	3/4	3,832.30	3/4	3,471.72	3/4	3,111.15	3/4	2,750.57	3/4	2,390.00	3/4	2,029.42	3/4	1,668.84	3/4	1,308.27	3/4	947.69	3/4	587.12	3/4	226.54	3/4	
4		4	4,896.16	4	4,545.94	4	4,185.36	4	3,824.79	4	3,464.21	4	3,103.64	4	2,743.06	4	2,382.48	4	2,021.91	4	1,661.33	4	1,300.76	4	940.18	4	579.60	4	219.03	4	
1/4		1/4	4,889.01	1/4	4,538.43	1/4	4,177.85	1/4	3,817.28	1/4	3,456.70	1/4	3,096.12	1/4	2,735.55	1/4	2,374.97	1/4	2,014.40	1/4	1,653.22	1/4	1,293.24	1/4	932.67	1/4	572.09	1/4	211.52	1/4	
1/2		1/2	4,881.87	1/2	4,530.92	1/2	4,170.34	1/2	3,809.76	1/2	3,449.19	1/2	3,088.61	1/2	2,728.04	1/2	2,367.46	1/2	2,006.88	1/2	1,646.31	1/2	1,285.73	1/2	925.16	1/2	564.58	1/2	204.00	1/2	
3/4	5,121.53	3/4	4,874.73	3/4	4,523.40	3/4	4,162.83	3/4	3,802.25	3/4	3,441.68	3/4	3,081.10	3/4	2,720.52	3/4	2,359.95	3/4	1,999.37	3/4	1,638.80	3/4	1,278.22	3/4	917.64	3/4	557.07	3/4	196.49	3/4	
5	5,121.13	5	4,867.59	5	4,515.89	5	4,155.32	5	3,794.74	5	3,434.16	5	3,073.59	5	2,713.01	5	2,352.44	5	1,991.86	5	1,631.28	5	1,270.71	5	910.13	5	549.56	5	188.98	5	
1/4	5,120.73	1/4	4,860.45	1/4	4,508.38	1/4	4,147.80	1/4	3,787.23	1/4	3,426.65	1/4	3,066.08	1/4	2,705.50	1/4	2,344.92	1/4	1,984.35	1/4	1,623.77	1/4	1,263.20	1/4	902.62	1/4	542.04	1/4	181.47	1/4	
1/2	5,120.34	1/2	4,853.30	1/2	4,500.87	1/2	4,140.29	1/2	3,779.72	1/2	3,419.14	1/2	3,058.56	1/2	2,697.99	1/2	2,337.41	1/2	1,976.84	1/2	1,616.26	1/2	1,255.68	1/2	895.11	1/2	534.53	1/2	173.96	1/2	
3/4	5,119.01	3/4	4,846.16	3/4	4,493.36	3/4	4,132.78	3/4	3,772.20	3/4	3,411.63	3/4	3,051.05	3/4	2,690.48	3/4	2,329.90	3/4	1,969.32	3/4	1,608.75	3/4	1,248.17	3/4	887.60	3/4	527.02	3/4	167.02	3/4	
6	5,117.68	6	4,839.02	6	4,485.84	6	4,125.27	6	3,764.69	6	3,404.12	6	3,043.54	6	2,682.96	6	2,322.39	6	1,961.81	6	1,601.24	6	1,240.66	6	880.08	6	519.51	6	160.09	6	
1/4	5,116.35	1/4	4,831.88	1/4	4,478.33	1/4	4,117.76	1/4	3,757.18	1/4	3,396.60	1/4	3,036.03	1/4	2,675.45	1/4	2,314.88	1/4	1,954.30	1/4	1,593.72	1/4	1,233.15	1/4	872.57	1/4	512.00	1/4	153.15	1/4	
1/2	5,115.02	1/2	4,824.74	1/2	4,470.82	1/2	4,110.24	1/2	3,749.67	1/2	3,389.09	1/2	3,028.52	1/2	2,667.94	1/2	2,307.36	1/2	1,946.79	1/2	1,586.21	1/2	1,225.64	1/2	865.06	1/2	504.48	1/2	146.22	1/2	
3/4	5,112.63	3/4	4,817.59	3/4	4,463.31	3/4	4,102.73	3/4	3,742.16	3/4	3,381.58	3/4	3,021.00	3/4	2,660.43	3/4	2,299.85	3/4	1,939.28	3/4	1,578.70	3/4	1,218.12	3/4	857.55	3/4	496.97	3/4	139.29	3/4	
7	5,110.24	7	4,810.45	7	4,455.80	7	4,095.22	7	3,734.64	7	3,374.07	7	3,013.49	7	2,652.92	7	2,292.34	7	1,931.76	7	1,571.19	7	1,210.61	7	850.04	7	489.46	7	132.35	7	
1/4	5,107.84	1/4	4,803.31	1/4	4,448.28	1/4	4,087.71	1/4	3,727.13	1/4	3,366.56	1/4	3,005.98	1/4	2,645.40	1/4	2,284.83	1/4	1,924.25	1/4	1,563.68	1/4	1,203.10	1/4	842.52	1/4	481.95	1/4	125.42	1/4	
1/2	5,105.45	1/2	4,796.17	1/2	4,440.77	1/2	4,080.20	1/2	3,719.62	1/2	3,359.04	1/2	3,000.47	1/2	2,637.89	1/2	2,277.32	1/2	1,916.74	1/2	1,556.16	1/2	1,195.59	1/2	835.01	1/2	474.44	1/2	118.48	1/2	
3/4	5,101.99	3/4	4,789.03	3/4	4,433.26	3/4	4,072.68	3/4	3,712.11	3/4	3,351.53	3/4	2,990.96	3/4	2,630.38	3/4	2,269.80	3/4	1,909.23	3/4	1,548.65	3/4	1,188.08	3/4	827.50	3/4	466.92	3/4	111.55	3/4	
8	5,098.53	8	4,781.88	8	4,425.75	8	4,065.17	8	3,704.60	8	3,344.02	8	2,983.44	8	2,622.87	8	2,262.29	8	1,901.72	8	1,541.14	8	1,180.56	8	819.99	8	459.41	8	104.62	8	
1/4	5,095.07	1/4	4,774.74	1/4	4,418.24	1/4	4,057.66																								



**BUREAU
VERITAS**

BARGE "HFL - 3077" HINES FURLONG LINE

OUTAGE TABLE

3 PORT OR STAR

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

HULL NO. 4756

2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT		10 FT		11 FT		12 FT		13 FT		14 FT		15 FT		16 FT		17 FT	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0	4,619.32	0	4,365.69	0	4,112.06	0	3,858.43	0	3,603.98	0	3,262.40	0	2,898.85	0	2,535.29	0	2,171.74	0	1,808.19	0	1,444.64	0	1,081.09	0	717.41	0	352.37	0	11.25
1/4		1/4	4,614.04	1/4	4,360.41	1/4	4,106.78	1/4	3,853.14	1/4	3,598.26	1/4	3,254.82	1/4	2,891.27	1/4	2,527.72	1/4	2,164.17	1/4	1,800.62	1/4	1,437.06	1/4	1,073.51	1/4	709.83	1/4	344.76	1/4	7.92
1/2		1/2	4,608.76	1/2	4,355.12	1/2	4,101.49	1/2	3,847.86	1/2	3,592.55	1/2	3,247.25	1/2	2,883.70	1/2	2,520.15	1/2	2,156.59	1/2	1,793.04	1/2	1,429.49	1/2	1,065.94	1/2	702.25	1/2	337.15	1/2	4.59
3/4		3/4	4,603.47	3/4	4,349.84	3/4	4,096.21	3/4	3,842.58	3/4	3,586.83	3/4	3,239.68	3/4	2,876.12	3/4	2,512.57	3/4	2,149.02	3/4	1,785.47	3/4	1,421.92	3/4	1,058.36	3/4	694.68	3/4	329.54	3/4	3.51
1		1	4,598.19	1	4,344.56	1	4,090.92	1	3,837.29	1	3,580.77	1	3,232.10	1	2,868.55	1	2,505.00	1	2,141.45	1	1,777.89	1	1,414.34	1	1,050.79	1	687.10	1	321.93	1	2.44
1/4		1/4	4,592.90	1/4	4,339.27	1/4	4,085.64	1/4	3,832.01	1/4	3,574.71	1/4	3,224.53	1/4	2,860.98	1/4	2,497.42	1/4	2,133.87	1/4	1,770.32	1/4	1,406.77	1/4	1,043.22	1/4	679.52	1/4	314.32	1/4	1.36
1/2		1/2	4,587.62	1/2	4,333.99	1/2	4,080.36	1/2	3,826.72	1/2	3,568.64	1/2	3,216.95	1/2	2,853.40	1/2	2,489.85	1/2	2,126.30	1/2	1,762.75	1/2	1,399.19	1/2	1,035.64	1/2	671.95	1/2	306.71	1/2	
3/4		3/4	4,582.34	3/4	4,328.70	3/4	4,075.07	3/4	3,821.44	3/4	3,562.58	3/4	3,209.38	3/4	2,845.83	3/4	2,482.28	3/4	2,118.72	3/4	1,755.17	3/4	1,391.62	3/4	1,028.07	3/4	664.34	3/4	299.11	3/4	
2		2	4,577.05	2	4,323.42	2	4,069.79	2	3,816.16	2	3,556.17	2	3,201.81	2	2,838.25	2	2,474.70	2	2,111.15	2	1,747.60	2	1,384.05	2	1,020.49	2	656.73	2	291.50	2	
1/4		1/4	4,571.77	1/4	4,318.14	1/4	4,064.50	1/4	3,810.87	1/4	3,549.77	1/4	3,194.23	1/4	2,830.68	1/4	2,467.13	1/4	2,103.58	1/4	1,740.02	1/4	1,376.47	1/4	1,012.91	1/4	649.12	1/4	283.89	1/4	
1/2		1/2	4,566.48	1/2	4,312.85	1/2	4,059.22	1/2	3,805.59	1/2	3,543.36	1/2	3,186.66	1/2	2,823.11	1/2	2,459.55	1/2	2,096.00	1/2	1,732.45	1/2	1,368.90	1/2	1,005.33	1/2	641.51	1/2	276.28	1/2	
3/4		3/4	4,561.20	3/4	4,307.57	3/4	4,053.94	3/4	3,800.30	3/4	3,536.95	3/4	3,179.08	3/4	2,815.53	3/4	2,451.98	3/4	2,088.43	3/4	1,724.88	3/4	1,361.32	3/4	997.76	3/4	633.90	3/4	268.67	3/4	
3		3	4,555.92	3	4,302.28	3	4,048.65	3	3,795.02	3	3,530.20	3	3,171.51	3	2,807.96	3	2,444.41	3	2,080.85	3	1,717.30	3	1,353.75	3	990.18	3	626.29	3	261.06	3	
1/4		1/4	4,550.63	1/4	4,297.00	1/4	4,043.37	1/4	3,789.74	1/4	3,523.44	1/4	3,163.94	1/4	2,800.38	1/4	2,436.83	1/4	2,073.28	1/4	1,709.73	1/4	1,346.18	1/4	982.60	1/4	618.68	1/4	253.45	1/4	
1/2		1/2	4,545.35	1/2	4,291.72	1/2	4,038.08	1/2	3,784.45	1/2	3,516.69	1/2	3,156.36	1/2	2,792.81	1/2	2,429.26	1/2	2,065.71	1/2	1,702.15	1/2	1,338.60	1/2	975.03	1/2	611.07	1/2	245.84	1/2	
3/4		3/4	4,540.06	3/4	4,286.43	3/4	4,032.80	3/4	3,779.17	3/4	3,509.94	3/4	3,148.79	3/4	2,785.24	3/4	2,421.68	3/4	2,058.13	3/4	1,694.58	3/4	1,331.03	3/4	967.45	3/4	603.47	3/4	238.23	3/4	
4		4	4,534.78	4	4,281.15	4	4,027.52	4	3,773.88	4	3,508.84	4	3,141.21	4	2,777.66	4	2,414.11	4	2,050.56	4	1,687.01	4	1,323.45	4	959.87	4	595.86	4	230.62	4	
1/4		1/4	4,529.50	1/4	4,275.86	1/4	4,022.23	1/4	3,768.60	1/4	3,495.74	1/4	3,133.64	1/4	2,770.99	1/4	2,406.54	1/4	2,042.98	1/4	1,679.43	1/4	1,315.88	1/4	952.30	1/4	588.25	1/4	223.02	1/4	
1/2		1/2	4,524.21	1/2	4,270.58	1/2	4,016.95	1/2	3,763.32	1/2	3,488.64	1/2	3,126.07	1/2	2,762.51	1/2	2,398.96	1/2	2,035.41	1/2	1,671.86	1/2	1,308.31	1/2	944.72	1/2	580.64	1/2	215.41	1/2	
3/4		3/4	4,701.17	3/4	4,518.93	3/4	4,265.30	3/4	4,011.66	3/4	3,748.54	3/4	3,385.42	3/4	3,022.30	3/4	2,659.18	3/4	2,296.06	3/4	1,932.94	3/4	1,569.82	3/4	937.14	3/4	573.03	3/4	207.80	3/4	
5		5	4,700.88	5	4,513.64	5	4,260.01	5	4,006.38	5	3,752.75	5	3,474.09	5	3,110.92	5	2,747.37	5	2,020.26	5	1,656.71	5	1,293.16	5	929.56	5	565.42	5	200.19	5	
1/4		1/4	4,700.59	1/4	4,508.36	1/4	4,254.73	1/4	4,001.10	1/4	3,747.46	1/4	3,466.64	1/4	3,103.34	1/4	2,739.79	1/4	2,376.24	1/4	2,012.69	1/4	1,649.14	1/4	921.99	1/4	557.81	1/4	192.58	1/4	
1/2		1/2	4,700.30	1/2	4,503.08	1/2	4,249.44	1/2	3,995.81	1/2	3,742.18	1/2	3,459.20	1/2	3,095.77	1/2	2,732.22	1/2	2,368.67	1/2	2,005.11	1/2	1,641.56	1/2	914.41	1/2	550.20	1/2	184.97	1/2	
3/4		3/4	4,699.33	3/4	4,497.79	3/4	4,244.16	3/4	3,990.53	3/4	3,736.90	3/4	3,451.75	3/4	3,088.20	3/4	2,724.64	3/4	2,361.09	3/4	1,997.54	3/4	1,633.99	3/4	906.83	3/4	542.59	3/4	177.60	3/4	
6		6	4,698.35	6	4,492.51	6	4,238.88	6	3,985.24	6	3,731.61	6	3,444.17	6	3,080.62	6	2,717.07	6	2,353.52	6	1,989.97	6	1,626.41	6	899.26	6	534.98	6	170.23	6	
1/4		1/4	4,697.38	1/4	4,487.22	1/4	4,233.59	1/4	3,979.96	1/4	3,726.33	1/4	3,436.60	1/4	3,073.05	1/4	2,709.50	1/4	2,345.94	1/4	1,982.39	1/4	1,618.84	1/4	891.68	1/4	527.38	1/4	162.86	1/4	
1/2		1/2	4,696.40	1/2	4,481.94	1/2	4,228.31	1/2	3,974.68	1/2	3,721.04	1/2	3,429.03	1/2	3,065.47	1/2	2,701.92	1/2	2,338.37	1/2	1,974.82	1/2	1,611.27	1/2	884.10	1/2	519.77	1/2	155.49	1/2	
3/4		3/4	4,694.64	3/4	4,476.66	3/4	4,223.02	3/4	3,969.39	3/4	3,715.76	3/4	3,421.45	3/4	3,057.90	3/4	2,694.35	3/4	2,330.80	3/4	1,967.24	3/4	1,603.69	3/4	876.53	3/4	512.16	3/4	148.13	3/4	
7		7	4,692.88	7	4,471.37	7	4,217.74	7	3,964.11	7	3,710.48	7	3,413.88	7	3,050.33	7	2,686.77	7	2,323.22	7	1,959.67	7	1,596.12	7	868.95	7	504.55	7	140.76	7	
1/4		1/4	4,691.12	1/4	4,466.09	1/4	4,212.46	1/4	3,958.82	1/4	3,705.19	1/4	3,406.30	1/4	3,042.75	1/4	2,679.20	1/4	2,315.65	1/4	1,952.10	1/4	1,588.54	1/4	861.37	1/4	496.94	1/4	133.39	1/4	
1/2		1/2	4,689.36	1/2	4,460.80	1/2	4,207.17	1/2	3,953.54	1/2	3,699.91	1/2	3,398.73	1/2	3,035.18	1/2	2,671.63	1/2	2,308.07	1/2	1,944.52	1/2	1,580.97	1/2	853.79	1/2	489.33	1/2	126.02	1/2	
3/4		3/4	4,686.81	3/4	4,455.52	3/4	4,201.89	3/4	3,948.26	3/4	3,694.62	3/4	3,391.16	3/4	3,027.60	3/4	2,664.05	3/4	2,300.50	3/4	1,936.95	3/4	1,573.40	3/4	846.22	3/4	481.72	3/4	118.65	3/4	
8		8	4,684.27	8	4,450.24	8	4,196.60	8	3,942.97	8	3,689.34	8	3,383.58	8	3,020.03	8	2,656.48	8	2,292.93	8	1,929.37	8	1,565.82	8	838.64	8	474.11	8	111.28	8	
1/4		1/4	4,681.73	1/4	4,444.95	1/4	4,191.32	1/4	3,937.69	1/4	3,684.06	1/4	3,376.01	1/4	3,012.46	1/4	2,648.90	1/4	2,285.												



BUREAU VERITAS

BARGE "HFL - 3077"

HINES FURLONG LINE

HULL NO. 4756

CORRECTION TABLE FOR TRIM AFT.

FOR OUTAGE GAUGES ONLY

TRIM	TANKS NO. 1 PORT OR STAR.	TANKS NO. 2 PORT OR STAR.	TANKS NO. 3 PORT OR STAR.
0'-6"	(+) 0' - 1"	(+) 0' - 1"	(-) 0' - 1"
1'-0"	(+) 0' - 2"	(+) 0' - 2"	(-) 0' - 2"
1'-6"	(+) 0' - 3"	(+) 0' - 3"	(-) 0' - 3"
2'-0"	(+) 0' - 4"	(+) 0' - 4"	(-) 0' - 4"
2'-6"	(+) 0' - 5"	(+) 0' - 5"	(-) 0' - 5"
3'-0"	(+) 0' - 6"	(+) 0' - 6"	(-) 0' - 6"
3'-6"	(+) 0' - 7"	(+) 0' - 7"	(-) 0' - 7"
4'-0"	(+) 0' - 8"	(+) 0' - 8"	(-) 0' - 8"
4'-6"	(+) 0' - 9"	(+) 0' - 9"	(-) 0' - 9"
5'-0"	(+) 0' - 9 7/8"	(+) 0' - 10"	(-) 0' - 9 7/8"

NOTE: FOR TRIM FWD., REVERSE SIGNS.

NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED, TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "INNAGE" GAUGES, REVERSE SIGNS.

NOTE: FOR 2" DIAMETER BALL VALVE ONLY (CLOSED GAUGING)

DATE: 05/19/21

BY: 

BUREAU VERITAS NORTH AMERICA



BUREAU VERITAS

BARGE "HFL - 3077"

HINES FURLONG LINE

HULL NO. 4756

CORRECTION TABLE FOR TRIM AFT.

FOR OUTAGE GAUGES ONLY

TRIM	TANKS NO. 1 PORT OR STAR.	TANKS NO. 2 PORT OR STAR.	TANKS NO. 3 PORT OR STAR.
0'-6"	(+) 0' - 1"	(+) 0' - 1"	(-) 0' - 1"
1'-0"	(+) 0' - 2"	(+) 0' - 2"	(-) 0' - 2"
1'-6"	(+) 0' - 3"	(+) 0' - 3"	(-) 0' - 3"
2'-0"	(+) 0' - 4"	(+) 0' - 4"	(-) 0' - 4"
2'-6"	(+) 0' - 5"	(+) 0' - 5 1/8"	(-) 0' - 5"
3'-0"	(+) 0' - 6 1/8"	(+) 0' - 6 1/8"	(-) 0' - 6 1/8"
3'-6"	(+) 0' - 7 1/8"	(+) 0' - 7 1/8"	(-) 0' - 7 1/8"
4'-0"	(+) 0' - 8 1/8"	(+) 0' - 8 1/8"	(-) 0' - 8 1/8"
4'-6"	(+) 0' - 9 1/8"	(+) 0' - 9 1/8"	(-) 0' - 9 1/8"
5'-0"	(+) 0' - 10 1/8"	(+) 0' - 10 1/8"	(-) 0' - 10 1/8"

NOTE: FOR TRIM FWD., REVERSE SIGNS.

NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED, TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "INNAGE" GAUGES, REVERSE SIGNS.

NOTE: FOR 10" DIAMETER HATCH ONLY (OPEN GAUGING)

DATE: 05/19/21

BY: 
BUREAU VERITAS NORTH AMERICA