



EMS 3004B


HULL NO. 296-4348

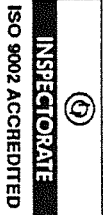
CORRECTION TABLE FOR TRIM AFT.			
FOR INNAGE GAUGES ONLY			
TRIM	TANKS NO. 1 PORT OR STAR.	TANKS NO. 2 PORT OR STAR.	TANKS NO. 3 PORT OR STAR.
0'-6"	(-) 0' - 1"	(-) 0' - 1"	(+) 0' - 0 7/8"
1'-0"	(-) 0' - 1 7/8"	(-) 0' - 1 7/8"	(+) 0' - 1 7/8"
1'-6"	(-) 0' - 2 7/8"	(-) 0' - 2 7/8"	(+) 0' - 2 3/4"
2'-0"	(-) 0' - 3 3/4"	(-) 0' - 3 3/4"	(+) 0' - 3 3/4"
2'-6"	(-) 0' - 4 5/8"	(-) 0' - 4 3/4"	(+) 0' - 4 5/8"
3'-0"	(-) 0' - 5 5/8"	(-) 0' - 5 3/4"	(+) 0' - 5 5/8"
3'-6"	(-) 0' - 6 5/8"	(-) 0' - 6 5/8"	(+) 0' - 6 1/2"
4'-0"	(-) 0' - 7 1/2"	(-) 0' - 7 5/8"	(+) 0' - 7 1/2"
4'-6"	(-) 0' - 8 1/2"	(-) 0' - 8 5/8"	(+) 0' - 8 3/8"
5'-0"	(-) 0' - 9 3/8"	(-) 0' - 9 1/2"	(+) 0' - 9 3/8"

NOTE: FOR TRIM FWD., REVERSE SIGNS.

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

NOTE: FOR "OUTAGE" GAUGES, REVERSE SIGNS.

DATE: 12/1/99 BY: 
INSPECTORATE AMERICA CORPORATION



ISO 9002 ACCREDITED

EMS 3004B

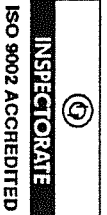
INNAGE TABLE

1 PORT

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

HULL NO. 296-4348

W	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.	N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.		
0	3.53	0	316.49	0	684.66	0	1,054.42	0	1,424.98	0	1,795.54	0	2,166.10	0	2,536.66	0	2,907.22	0	3,277.78	0	3,648.34	0	4,018.90	0	4,389.46	0	4,760.02	0	5,130.58	0	5,501.14
1/4	5.84	1/4	324.03	1/4	692.36	1/4	1,062.14	1/4	1,432.70	1/4	1,803.26	1/4	2,173.82	1/4	2,544.38	1/4	2,914.94	1/4	3,285.50	1/4	3,656.06	1/4	4,026.62	1/4	4,397.18	1/4	4,767.74	1/4	5,138.30	1/4	5,508.86
1/2	8.16	1/2	331.56	1/2	700.06	1/2	1,069.86	1/2	1,440.42	1/2	1,810.98	1/2	2,181.54	1/2	2,552.10	1/2	2,922.66	1/2	3,293.22	1/2	3,663.78	1/2	4,034.34	1/2	4,404.90	1/2	4,775.46	1/2	5,146.02	1/2	5,516.58
3/4	10.47	3/4	339.10	3/4	707.76	3/4	1,077.56	3/4	1,448.14	3/4	1,818.70	3/4	2,189.26	3/4	2,559.82	3/4	2,930.38	3/4	3,300.94	3/4	3,671.50	3/4	4,042.06	3/4	4,412.62	3/4	4,783.18	3/4	5,153.74	3/4	5,524.30
1	12.79	1	346.53	1	713.46	1	1,083.30	1	1,453.88	1	1,824.42	1	2,194.98	1	2,565.54	1	2,936.10	1	3,306.66	1	3,677.22	1	4,047.78	1	4,418.34	1	4,788.90	1	5,159.46	1	5,530.02
1 1/4	16.46	1 1/4	354.16	1 1/4	723.16	1 1/4	1,093.02	1 1/4	1,463.58	1 1/4	1,834.14	1 1/4	2,204.70	1 1/4	2,575.26	1 1/4	2,945.82	1 1/4	3,316.38	1 1/4	3,686.94	1 1/4	4,057.50	1 1/4	4,428.06	1 1/4	4,798.62	1 1/4	5,169.18	1 1/4	5,539.74
1 1/2	20.14	1 1/2	361.70	1 1/2	730.66	1 1/2	1,102.74	1 1/2	1,473.30	1 1/2	1,843.86	1 1/2	2,214.42	1 1/2	2,584.98	1 1/2	2,955.54	1 1/2	3,326.10	1 1/2	3,696.66	1 1/2	4,067.22	1 1/2	4,437.78	1 1/2	4,808.34	1 1/2	5,178.90	1 1/2	5,549.46
1 3/4	23.81	1 3/4	369.23	1 3/4	738.56	1 3/4	1,108.46	1 3/4	1,479.02	1 3/4	1,849.58	1 3/4	2,220.14	1 3/4	2,590.70	1 3/4	2,961.26	1 3/4	3,331.82	1 3/4	3,702.38	1 3/4	4,072.94	1 3/4	4,443.50	1 3/4	4,814.06	1 3/4	5,184.62	1 3/4	5,555.18
2	27.49	2	376.77	2	746.26	2	1,116.18	2	1,486.74	2	1,857.30	2	2,227.86	2	2,598.42	2	2,968.98	2	3,339.54	2	3,710.10	2	4,080.66	2	4,451.22	2	4,821.78	2	5,192.34	2	5,562.90
2 1/4	32.70	2 1/4	384.30	2 1/4	753.66	2 1/4	1,131.62	2 1/4	1,502.18	2 1/4	1,872.74	2 1/4	2,243.30	2 1/4	2,613.86	2 1/4	2,984.42	2 1/4	3,354.98	2 1/4	3,725.54	2 1/4	4,096.10	2 1/4	4,466.66	2 1/4	4,837.22	2 1/4	5,207.78	2 1/4	5,578.34
2 1/2	37.92	2 1/2	391.83	2 1/2	761.66	2 1/2	1,131.62	2 1/2	1,502.18	2 1/2	1,872.74	2 1/2	2,243.30	2 1/2	2,613.86	2 1/2	2,984.42	2 1/2	3,354.98	2 1/2	3,725.54	2 1/2	4,096.10	2 1/2	4,466.66	2 1/2	4,837.22	2 1/2	5,207.78	2 1/2	5,578.34
2 3/4	43.14	2 3/4	399.37	2 3/4	769.56	2 3/4	1,139.34	2 3/4	1,509.90	2 3/4	1,880.46	2 3/4	2,251.02	2 3/4	2,621.58	2 3/4	2,992.14	2 3/4	3,362.70	2 3/4	3,733.26	2 3/4	4,103.82	2 3/4	4,474.38	2 3/4	4,844.94	2 3/4	5,215.50	2 3/4	5,586.06
3	48.36	3	406.90	3	777.06	3	1,147.06	3	1,517.62	3	1,888.18	3	2,258.74	3	2,629.30	3	2,999.86	3	3,370.42	3	3,740.98	3	4,111.54	3	4,482.10	3	4,852.66	3	5,223.22	3	5,593.78
3 1/4	55.12	3 1/4	414.62	3 1/4	784.76	3 1/4	1,154.76	3 1/4	1,525.32	3 1/4	1,895.90	3 1/4	2,266.46	3 1/4	2,637.02	3 1/4	2,997.58	3 1/4	3,368.14	3 1/4	3,738.70	3 1/4	4,109.26	3 1/4	4,479.82	3 1/4	4,850.38	3 1/4	5,220.94	3 1/4	5,591.50
3 1/2	61.88	3 1/2	422.34	3 1/2	792.46	3 1/2	1,162.50	3 1/2	1,533.06	3 1/2	1,903.62	3 1/2	2,274.18	3 1/2	2,644.74	3 1/2	2,997.58	3 1/2	3,368.14	3 1/2	3,738.70	3 1/2	4,109.26	3 1/2	4,479.82	3 1/2	4,850.38	3 1/2	5,220.94	3 1/2	5,591.50
3 3/4	68.64	3 3/4	430.06	3 3/4	800.16	3 3/4	1,170.22	3 3/4	1,540.78	3 3/4	1,911.34	3 3/4	2,281.90	3 3/4	2,652.46	3 3/4	2,997.58	3 3/4	3,368.14	3 3/4	3,738.70	3 3/4	4,109.26	3 3/4	4,479.82	3 3/4	4,850.38	3 3/4	5,220.94	3 3/4	5,591.50
4	75.41	4	437.78	4	807.86	4	1,177.94	4	1,548.50	4	1,919.06	4	2,289.62	4	2,660.18	4	2,997.58	4	3,368.14	4	3,738.70	4	4,109.26	4	4,479.82	4	4,850.38	4	5,220.94	4	5,591.50
4 1/4	82.94	4 1/4	445.50	4 1/4	815.56	4 1/4	1,185.66	4 1/4	1,556.22	4 1/4	1,926.78	4 1/4	2,297.34	4 1/4	2,667.90	4 1/4	2,997.58	4 1/4	3,368.14	4 1/4	3,738.70	4 1/4	4,109.26	4 1/4	4,479.82	4 1/4	4,850.38	4 1/4	5,220.94	4 1/4	5,591.50
4 1/2	90.47	4 1/2	453.22	4 1/2	823.56	4 1/2	1,193.38	4 1/2	1,563.94	4 1/2	1,934.50	4 1/2	2,305.06	4 1/2	2,675.62	4 1/2	2,997.58	4 1/2	3,368.14	4 1/2	3,738.70	4 1/2	4,109.26	4 1/2	4,479.82	4 1/2	4,850.38	4 1/2	5,220.94	4 1/2	5,591.50
4 3/4	98.01	4 3/4	460.94	4 3/4	830.96	4 3/4	1,201.10	4 3/4	1,571.66	4 3/4	1,942.22	4 3/4	2,312.78	4 3/4	2,683.34	4 3/4	2,997.58	4 3/4	3,368.14	4 3/4	3,738.70	4 3/4	4,109.26	4 3/4	4,479.82	4 3/4	4,850.38	4 3/4	5,220.94	4 3/4	5,591.50
5	105.54	5	468.66	5	838.66	5	1,208.82	5	1,579.38	5	1,949.94	5	2,320.50	5	2,691.06	5	2,997.58	5	3,368.14	5	3,738.70	5	4,109.26	5	4,479.82	5	4,850.38	5	5,220.94	5	5,591.50
5 1/4	113.08	5 1/4	476.38	5 1/4	846.36	5 1/4	1,216.54	5 1/4	1,587.10	5 1/4	1,957.66	5 1/4	2,328.22	5 1/4	2,689.34	5 1/4	2,997.58	5 1/4	3,368.14	5 1/4	3,738.70	5 1/4	4,109.26	5 1/4	4,479.82	5 1/4	4,850.38	5 1/4	5,220.94	5 1/4	5,591.50
5 1/2	120.61	5 1/2	484.10	5 1/2	854.06	5 1/2	1,224.26	5 1/2	1,594.82	5 1/2	1,965.38	5 1/2	2,335.94	5 1/2	2,697.06	5 1/2	2,997.58	5 1/2	3,368.14	5 1/2	3,738.70	5 1/2	4,109.26	5 1/2	4,479.82	5 1/2	4,850.38	5 1/2	5,220.94	5 1/2	5,591.50
5 3/4	128.14	5 3/4	491.82	5 3/4	861.76	5 3/4	1,231.98	5 3/4	1,602.54	5 3/4	1,973.10	5 3/4	2,343.66	5 3/4	2,704.78	5 3/4	2,997.58	5 3/4	3,368.14	5 3/4	3,738.70	5 3/4	4,109.26	5 3/4	4,479.82	5 3/4	4,850.38	5 3/4	5,220.94	5 3/4	5,591.50
6	135.68	6	499.54	6	869.46	6	1,239.70	6	1,610.26	6	1,980.82	6	2,351.38	6	2,712.50	6	2,997.58	6	3,368.14	6	3,738.70	6	4,109.26	6	4,479.82	6	4,850.38	6	5,220.94	6	5,591.50
6 1/4	143.21	6 1/4	507.26	6 1/4	877.16	6 1/4	1,247.42	6 1/4	1,617.98	6 1/4	1,988.54	6 1/4	2,359.10	6 1/4	2,720.22	6 1/4	2,997.58	6 1/4	3,368.14	6 1/4	3,738.70	6 1/4	4,109.26	6 1/4	4,479.82	6 1/4	4,850.38	6 1/4	5,220.94	6 1/4	5,591.50
6 1/2	150.75	6 1/2	514.98	6 1/2	884.66	6 1/2	1,255.54	6 1/2	1,625.10	6 1/2	1,999.26	6 1/2	2,366.82	6 1/2	2,731.38	6 1/2	2,997.58	6 1/2	3,368.14	6 1/2	3,738.70	6 1/2	4,109.26	6 1/2	4,479.82	6 1/2	4,850.38	6 1/2	5,220.94	6 1/2	5,591.50
6 3/4	158.28	6 3/4	522.70	6 3/4	892.56	6 3/4	1,262.86	6 3/4	1,634.72	6 3/4	2,003.98	6 3/4	2,374.54	6 3/4	2,742.22	6 3/4	2,997.58	6 3/4	3,368.14	6 3/4	3,738.70	6 3/4	4,109.26	6 3/4	4,479.82	6 3/4	4,850.38	6 3/4	5,220.94	6 3/4	5,591.50
7	165.81	7	530.42	7	900.56	7	1,270.58	7	1,641.14	7	2,011.70	7	2,382.26	7	2,752.82	7	2,997.58	7	3,368.14	7	3,738.70	7	4,109.26	7	4,479.82	7	4,850.38	7	5,220.94	7	5,591.50
7 1/4	173.35	7 1/4	538.14	7 1/4	907.66	7 1/4	1,278.62	7 1/4	1,648.86	7 1/4	2,019.42	7 1/4	2,389.98	7 1/4	2,760.54	7 1/4	2,997.58	7 1/4	3,368.14	7 1/4	3,738.70	7 1/4	4,109.26	7 1/4	4,479.82	7 1/4	4,850.38	7 1/4	5,220.94	7 1/4	5,591.50
7 1/2	180.88	7 1/2	545.86	7 1/2	915.66	7 1/2	1,286.02	7 1/2	1,656.58	7 1/2	2,027.14	7 1/2	2,397.70	7 1/2	2,771.10	7 1/2	2,997.58	7 1/2	3,368.14	7 1/2	3,738.70	7 1/2	4,109.26	7 1/2	4,479.82	7 1/2	4,850.38	7 1/2	5,220.94	7 1/2	5,591.50



EMS 3004B

INNAGE TABLE

1 STAR.

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

HULL NO. 296-4348

M	N	0 FT.	M	N	1 FT.	M	N	2 FT.	M	N	3 FT.	M	N	4 FT.	M	N	5 FT.	M	N	6 FT.	M	N	7 FT.	M	N	8 FT.	M	N	9 FT.	M	N	10 FT.	M	N	11 FT.	M	N	12 FT.	M	N	13 FT.	M	N	14 FT.	M	N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
0	*	2.75	0	0	308.96	0	0	676.96	0	0	1046.70	0	0	1417.26	0	0	1787.82	0	0	2158.38	0	0	2528.94	0	0	2899.50	0	0	3270.06	0	0	3640.62	0	0	4011.18	0	0	4381.74	0	0	4752.30	0	0	5122.86	0	0	5493.42	0	0	5863.98	0	0	6234.54	0	0	6605.10	0	0	6975.66	0	0	7346.22	0	0	7716.78	0	0	8087.34	0	0	8457.90	0	0	8828.46	0	0	9199.02	0	0	9569.58	0	0	9940.14	0	0	10310.70	0	0	10721.26	0	0	11131.82	0	0	11542.38	0	0	11952.94	0	0	12363.50	0	0	12774.06	0	0	13184.62	0	0	13595.18	0	0	14005.74	0	0	14416.30	0	0	14826.86	0	0	15237.42	0	0	15647.98	0	0	16058.54	0	0	16469.10	0	0	16879.66	0	0	17290.22	0	0	17700.78	0	0	18111.34	0	0	18521.90	0	0	18932.46	0	0	19343.02	0	0	19753.58	0	0	20164.14	0	0	20574.70	0	0	20985.26	0	0	21395.82	0	0	21806.38	0	0	22216.94	0	0	22627.50	0	0	23038.06	0	0	23448.62	0	0	23859.18	0	0	24269.74	0	0	24680.30	0	0	25090.86	0	0	25501.42	0	0	25912.00	0	0	26322.56	0	0	26733.12	0	0	27143.68	0	0	27554.24	0	0	27964.80	0	0	28375.36	0	0	28785.92	0	0	29196.48	0	0	29607.04	0	0	30017.60	0	0	30428.16	0	0	30838.72	0	0	31249.28	0	0	31659.84	0	0	32070.40	0	0	32480.96	0	0	32891.52	0	0	33302.08	0	0	33712.64	0	0	34123.20	0	0	34533.76	0	0	34944.32	0	0	35354.88	0	0	35765.44	0	0	36176.00	0	0	36586.56	0	0	36997.12	0	0	37407.68	0	0	37818.24	0	0	38228.80	0	0	38639.36	0	0	39049.92	0	0	39460.48	0	0	39871.04	0	0	40281.60	0	0	40692.16	0	0	41102.72	0	0	41513.28	0	0	41923.84	0	0	42334.40	0	0	42744.96	0	0	43155.52	0	0	43566.08	0	0	43976.64	0	0	44387.20	0	0	44797.76	0	0	45208.32	0	0	45618.88	0	0	46029.44	0	0	46439.99	0	0	46850.55	0	0	47261.11	0	0	47671.67	0	0	48082.23	0	0	48492.79	0	0	48903.35	0	0	49313.91	0	0	49724.47	0	0	50135.03	0	0	50545.59	0	0	50956.15	0	0	51366.71	0	0	51777.27	0	0	52187.83	0	0	52598.39	0	0	53008.95	0	0	53419.51	0	0	53830.07	0	0	54240.63	0	0	54651.19	0	0	55061.75	0	0	55472.31	0	0	55882.87	0	0	56293.43	0	0	56703.99	0	0	57114.55	0	0	57525.11	0	0	57935.67	0	0	58346.23	0	0	58756.79	0	0	59167.35	0	0	59577.91	0	0	59988.47	0	0	60399.03	0	0	60809.59	0	0	61220.15	0	0	61630.71	0	0	62041.27	0	0	62451.83	0	0	62862.39	0	0	63272.95	0	0	63683.51	0	0	64094.07	0	0	64504.63	0	0	64915.19	0	0	65325.75	0	0	65736.31	0	0	66146.87	0	0	66557.43	0	0	66967.99	0	0	67378.55	0	0	67789.11	0	0	68200.67	0	0	68611.23	0	0	69021.79	0	0	69432.35	0	0	69842.91	0	0	70253.47	0	0	70664.03	0	0	71074.59	0	0	71485.15	0	0	71895.71	0	0	72306.27	0	0	72716.83	0	0	73127.39	0	0	73537.95	0	0	73948.51	0	0	74359.07	0	0	74769.63	0	0	75180.19	0	0	75590.75	0	0	76001.31	0	0	76411.87	0	0	76822.43	0	0	77232.99	0	0	77643.55	0	0	78054.11	0	0	78464.67	0	0	78875.23	0	0	79285.79	0	0	79696.35	0	0	80106.91	0	0	80517.47	0	0	80928.03	0	0	81338.59	0	0	81749.15	0	0	82159.71	0	0	82570.27	0	0	82980.83	0	0	83391.39	0	0	83801.95	0	0	84212.51	0	0	84623.07	0	0	85033.63	0	0	85444.19	0	0	85854.75	0	0	86265.31	0	0	86675.87	0	0	87086.43	0	0	87496.99	0	0	87907.55	0	0	88318.11	0	0	88728.67	0	0	89139.23	0	0	89549.79	0	0	89960.35	0	0	90370.91	0	0	90781.47	0	0	91192.03	0	0	91602.59	0	0	92013.15	0	0	92423.71	0	0	92834.27	0	0	93244.83	0	0	93655.39	0	0	94065.95	0	0	94476.51	0	0	94887.07	0	0	95297.63	0	0	95708.19	0	0	96118.75	0	0	96529.31	0	0	96939.87	0	0	97350.43	0	0	97760.99	0	0	98171.55	0	0	98582.11	0	0	98992.67	0	0	99403.23	0	0	99813.79	0	0	10024.35	0	0	10065.91	0	0	10107.47	0	0	10149.03	0	0	10190.59	0	0	10232.15	0	0	10273.71	0	0	10315.27	0	0	10356.83	0	0	10398.39	0	0	10439.95	0	0	10481.51	0	0	10523.07	0	0	10564.63	0	0	10606.19	0	0	10647.75	0	0	10689.31	0	0	10730.87	0	0	10772.43	0	0	10814.00	0	0	10855.56	0	0	10897.12	0	0	10938.68	0	0	10980.24	0	0	11021.80	0	0	11063.36	0	0	11104.92	0	0	11146.48	0	0	11188.04	0	0	11229.60	0	0	11271.16	0	0	11312.72	0	0	11354.28	0	0	11395.84	0	0	11437.40	0	0	11478.96	0	0	11520.52	0	0	11562.08	0	0	11603.64	0	0	11645.20	0	0	11686.76	0	0	11728.32	0	0	11769.88	0	0	11811.44	0	0	11853.00	0	0	11894.56	0	0	11936.12	0	0	11977.68	0	0	12019.24	0	0	12060.80	0	0	12102.36	0	0	12143.92	0	0	12185.48	0	0	12227.04	0	0	12268.60	0	0	12310.16	0	0	12351.72	0	0	12393.28	0	0	12434.84	0	0	12476.40	0	0	12517.96	0	0	12559.52	0	0	12601.08	0	0	12642.64	0	0	12684.20	0	0	12725.76	0	0	12767.32	0	0	12808.88	0	0	12850.44	0	0	12892.00	0	0	12933.56	0	0	12975.12	0	0	13016.68	0	0	13058.24	0	0	13099.80	0	0	13141.36	0	0	13182.92	0	0	13224.48	0	0	13266.04	0	0	13307.60	0	0	13349.16	0	0	13390.72	0	0	13432.28	0	0	13473.84	0	0	13515.40	0	0	13556.96	0	0	13598.52	0	0	13640.08	0	0	13681.64	0	0	13723.20	0	0	13764.76	0	0	13806.32	0	0	13847.88	0	0	13889.44	0	0	13931.00	0	0	13972.56	0	0	14014.12	0	0	14055.68	0	0	14097.24	0	0	14138.80	0	0	14180.36	0	0	14221.92	0	0	14263.48	0	0	14305.04	0	0	14346.60	0	0	14388.16	0	0	14429.72	0	0	14471.28	0	0	14512.84	0	0	14554.40	0	0	14595.96	0	0	14637.52	0	0	14679.08	0	0	14720.64	0	0	14762.20	0	0	14803.76	0	0	14845.32	0	0	14886.88	0	0	14928.44	0	0	14969.99	0	0	15011.55	0	0	15053.11	0	0	15094.67	0	0	15136.23	0	0	15177.79	0	0	15219.35	0	0	15260.91	0	0	15302.47	0	0	15344.03	0	0	15385.59	0	0	15427.15	0	0	15468.71	0	0	15510.27	0	0	15551.83	0	0	15593.39	0	0	15634.95	0	0	15676.51	0	0	15718.07	0	0	15759.63	0	0	15801.19	0	0	15842.75	0	0	15884.31	0	0	15925.87	0	0	15967.43	0	0	16008.99	0	0	16050.55	0	0	16092.11	0	0	16133.67	0	0	16175.23	0	0	16216.79	0	0	16258.35	0	0	16300.91	0	0	16342.47	0	0	16384.03	0	0	16425.59	0	0	16467.15	0	0	16508.71	0	0	16550.27	0	0	16591.83	0	0	16633.39	0	0	16674.95	0	0	16716.51	0	0	16758.07	0	0	16800.63	0	0	16842.19	0	0	16883.75	0	0	16925.31	0	0	16966.87	0	0	17008.43	0	0	17050.00	0	0	17091.56	0	0	17133.12	0	0	17174.68	0



ISO 9002 ACCREDITED

EMS 3004B

INNAGE TABLE

2 PORT OR STAR.

HULL NO. 296-4348

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

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.	N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.		
0	2.74	0	307.65	0	674.08	0	1,042.23	0	1,411.21	0	1,780.19	0	2,149.16	0	2,518.14	0	2,887.11	0	3,256.09	0	3,625.07	0	3,994.04	0	4,363.02	0	4,732.00	0	5,100.98	0	5,469.96
1/4	3.51	1/4	315.15	1/4	681.75	1/4	1,049.92	1/4	1,418.90	1/4	1,787.87	1/4	2,156.85	1/4	2,525.82	1/4	2,894.80	1/4	3,263.78	1/4	3,632.75	1/4	3,999.73	1/4	4,368.71	1/4	4,737.69	1/4	5,106.67	1/4	5,475.65
1/2	5.82	1/2	322.65	1/2	689.25	1/2	1,057.51	1/2	1,426.58	1/2	1,795.56	1/2	2,164.54	1/2	2,533.52	1/2	2,902.49	1/2	3,271.47	1/2	3,640.44	1/2	3,999.42	1/2	4,368.40	1/2	4,737.38	1/2	5,106.36	1/2	5,475.34
3/4	8.13	3/4	330.15	3/4	697.08	3/4	1,065.30	3/4	1,434.27	3/4	1,803.25	3/4	2,172.22	3/4	2,541.20	3/4	2,910.17	3/4	3,279.15	3/4	3,648.13	3/4	3,999.11	3/4	4,368.09	3/4	4,737.07	3/4	5,106.05	3/4	5,475.03
1	10.43	1	337.66	1	704.75	1	1,072.98	1	1,441.96	1	1,810.93	1	2,179.91	1	2,548.89	1	2,917.86	1	3,286.84	1	3,655.81	1	3,999.79	1	4,368.77	1	4,737.75	1	5,106.73	1	5,475.71
1/4	12.74	1/4	345.16	1/4	712.41	1/4	1,080.67	1/4	1,449.65	1/4	1,818.62	1/4	2,187.60	1/4	2,556.58	1/4	2,925.55	1/4	3,294.53	1/4	3,663.51	1/4	3,999.49	1/4	4,368.47	1/4	4,737.45	1/4	5,106.43	1/4	5,475.41
1/2	16.40	1/2	352.66	1/2	720.08	1/2	1,088.36	1/2	1,457.33	1/2	1,826.31	1/2	2,195.28	1/2	2,564.26	1/2	2,933.24	1/2	3,302.21	1/2	3,671.19	1/2	3,999.15	1/2	4,368.13	1/2	4,737.11	1/2	5,106.07	1/2	5,475.05
3/4	20.05	3/4	360.16	3/4	727.75	3/4	1,096.04	3/4	1,465.02	3/4	1,833.99	3/4	2,202.97	3/4	2,571.95	3/4	2,940.92	3/4	3,309.90	3/4	3,678.87	3/4	3,999.83	3/4	4,368.81	3/4	4,737.79	3/4	5,106.75	3/4	5,475.73
2	23.71	2	367.66	2	735.41	2	1,103.73	2	1,472.71	2	1,841.68	2	2,210.66	2	2,579.63	2	2,948.61	2	3,317.59	2	3,686.56	2	3,999.27	2	4,368.25	2	4,737.23	2	5,106.19	2	5,475.17
1/4	27.37	1/4	375.17	1/4	743.08	1/4	1,111.42	1/4	1,480.39	1/4	1,849.37	1/4	2,218.34	1/4	2,587.32	1/4	2,956.30	1/4	3,325.27	1/4	3,694.25	1/4	3,999.71	1/4	4,368.69	1/4	4,737.67	1/4	5,106.63	1/4	5,475.61
1/2	32.57	1/2	382.67	1/2	750.75	1/2	1,119.10	1/2	1,488.08	1/2	1,857.06	1/2	2,226.03	1/2	2,595.01	1/2	2,963.98	1/2	3,332.96	1/2	3,701.94	1/2	3,999.17	1/2	4,368.15	1/2	4,737.13	1/2	5,106.07	1/2	5,475.05
3/4	37.76	3/4	390.17	3/4	758.42	3/4	1,126.79	3/4	1,495.77	3/4	1,864.74	3/4	2,233.72	3/4	2,602.69	3/4	2,971.67	3/4	3,340.65	3/4	3,709.62	3/4	3,999.63	3/4	4,368.61	3/4	4,737.59	3/4	5,106.53	3/4	5,475.47
3	42.96	3	397.67	3	766.08	3	1,134.48	3	1,503.45	3	1,872.43	3	2,241.41	3	2,610.38	3	2,979.36	3	3,348.33	3	3,717.31	3	3,999.09	3	4,368.57	3	4,737.05	3	5,106.47	3	5,475.41
1/4	48.15	1/4	405.17	1/4	773.75	1/4	1,142.17	1/4	1,511.14	1/4	1,880.12	1/4	2,249.09	1/4	2,618.07	1/4	2,987.04	1/4	3,356.02	1/4	3,725.00	1/4	3,999.55	1/4	4,368.99	1/4	4,737.93	1/4	5,106.87	1/4	5,475.81
1/2	54.89	1/2	412.66	1/2	781.42	1/2	1,149.85	1/2	1,518.83	1/2	1,887.80	1/2	2,256.78	1/2	2,626.76	1/2	2,994.73	1/2	3,363.71	1/2	3,732.68	1/2	3,999.03	1/2	4,368.47	1/2	4,737.41	1/2	5,106.35	1/2	5,475.29
3/4	61.62	3/4	420.55	3/4	789.08	3/4	1,157.54	3/4	1,526.52	3/4	1,895.49	3/4	2,264.47	3/4	2,633.44	3/4	3,002.42	3/4	3,371.39	3/4	3,740.37	3/4	3,999.49	3/4	4,368.93	3/4	4,737.87	3/4	5,106.81	3/4	5,475.75
4	68.35	4	428.23	4	796.75	4	1,165.23	4	1,534.20	4	1,903.18	4	2,272.15	4	2,641.13	4	2,999.36	4	3,379.08	4	3,748.06	4	3,999.95	4	4,369.39	4	4,738.35	4	5,107.35	4	5,476.29
1/4	75.09	1/4	435.92	1/4	804.42	1/4	1,172.91	1/4	1,541.89	1/4	1,910.86	1/4	2,279.84	1/4	2,648.82	1/4	3,017.79	1/4	3,386.77	1/4	3,755.74	1/4	3,999.95	1/4	4,369.39	1/4	4,738.35	1/4	5,107.35	1/4	5,476.29
1/2	82.59	1/2	443.61	1/2	812.08	1/2	1,180.60	1/2	1,549.58	1/2	1,918.55	1/2	2,287.53	1/2	2,656.50	1/2	3,025.48	1/2	3,394.46	1/2	3,763.43	1/2	3,999.95	1/2	4,369.39	1/2	4,738.35	1/2	5,107.35	1/2	5,476.29
3/4	90.09	3/4	451.30	3/4	819.75	3/4	1,188.29	3/4	1,557.28	3/4	1,926.24	3/4	2,295.21	3/4	2,664.19	3/4	3,033.17	3/4	3,402.14	3/4	3,771.12	3/4	3,999.95	3/4	4,369.39	3/4	4,738.35	3/4	5,107.35	3/4	5,476.29
5	97.59	5	458.98	5	827.42	5	1,195.97	5	1,564.95	5	1,933.93	5	2,302.90	5	2,671.88	5	3,040.85	5	3,409.83	5	3,778.81	5	3,999.95	5	4,369.39	5	4,738.35	5	5,107.35	5	5,476.29
1/4	105.09	1/4	466.67	1/4	835.09	1/4	1,203.66	1/4	1,572.64	1/4	1,941.61	1/4	2,310.59	1/4	2,679.56	1/4	3,048.54	1/4	3,417.52	1/4	3,786.49	1/4	3,999.95	1/4	4,369.39	1/4	4,738.35	1/4	5,107.35	1/4	5,476.29
1/2	112.60	1/2	474.36	1/2	842.75	1/2	1,211.35	1/2	1,580.32	1/2	1,949.28	1/2	2,318.28	1/2	2,687.25	1/2	3,056.28	1/2	3,425.20	1/2	3,794.18	1/2	3,999.95	1/2	4,369.39	1/2	4,738.35	1/2	5,107.35	1/2	5,476.29
3/4	120.10	3/4	482.04	3/4	850.42	3/4	1,219.04	3/4	1,588.01	3/4	1,956.99	3/4	2,325.96	3/4	2,694.94	3/4	3,063.91	3/4	3,432.89	3/4	3,801.87	3/4	3,999.95	3/4	4,369.39	3/4	4,738.35	3/4	5,107.35	3/4	5,476.29
6	127.60	6	489.73	6	858.09	6	1,226.72	6	1,595.70	6	1,964.67	6	2,333.65	6	2,702.63	6	3,071.60	6	3,440.58	6	3,788.81	6	3,999.95	6	4,369.39	6	4,738.35	6	5,107.35	6	5,476.29
1/4	135.10	1/4	497.42	1/4	865.75	1/4	1,234.41	1/4	1,603.38	1/4	1,972.36	1/4	2,341.34	1/4	2,710.31	1/4	3,079.29	1/4	3,448.28	1/4	3,788.49	1/4	3,999.95	1/4	4,369.39	1/4	4,738.35	1/4	5,107.35	1/4	5,476.29
1/2	142.60	1/2	505.10	1/2	873.42	1/2	1,242.10	1/2	1,611.07	1/2	1,980.05	1/2	2,349.02	1/2	2,718.00	1/2	3,086.98	1/2	3,455.95	1/2	3,788.10	1/2	3,999.95	1/2	4,369.39	1/2	4,738.35	1/2	5,107.35	1/2	5,476.29
3/4	150.11	3/4	512.79	3/4	881.09	3/4	1,249.78	3/4	1,618.76	3/4	1,987.73	3/4	2,356.71	3/4	2,725.69	3/4	3,094.66	3/4	3,463.64	3/4	3,787.71	3/4	3,999.95	3/4	4,369.39	3/4	4,738.35	3/4	5,107.35	3/4	5,476.29
7	157.61	7	520.48	7	888.75	7	1,257.47	7	1,626.45	7	1,995.42	7	2,364.40	7	2,733.37	7	3,102.35	7	3,471.33	7	3,787.32	7	3,999.95	7	4,369.39	7	4,738.35	7	5,107.35	7	5,476.29
1/4	165.11	1/4	528.17	1/4	896.42	1/4	1,265.16	1/4	1,634.13	1/4	2,003.11	1/4	2,371.08	1/4	2,740.16	1/4	3,110.04	1/4	3,478.02	1/4	3,786.93	1/4	3,999.95	1/4	4,369.39	1/4	4,738.35	1/4	5,107.35	1/4	5,476.29
1/2	172.61	1/2	535.85	1/2	904.09	1/2	1,272.84	1/2	1,641.82	1/2	2,010.80	1/2	2,379.77	1/2	2,748.75	1/2	3,117.72	1/2	3,484.70	1/2	3,786.54	1/2	3,999.95	1/2	4,369.39	1/2	4,738.35	1/2	5,107.35	1/2	5,476.29
3/4	180.11	3/4	543.54	3/4	911.76	3/4	1,280.53	3/4	1,649.51	3/4	2,018.48	3/4	2,387.46	3/4	2,756.43	3/4	3,125.41	3/4	3,491.39	3/4	3,786.15	3/4	3,999.95	3/4	4,369.39	3/4	4,738.35	3/4	5,107.35	3/4	5,476.29
8	187.62	8	551.23	8	919.42	8	1,288.22	8	1,657.19	8	2,026.17	8	2,395.15	8	2,764.12	8	3,133.10	8	3,498.08	8	3,785.76	8	3,999.95	8	4,369.39	8	4,738.35	8	5,107.35	8	5,476.29
1/4	195.12	1/4	558.91	1/4	927.09	1/4	1,295.91	1/4	1,664.88	1/4	2,033.86	1/4	2,402.83	1/4	2,771.81	1/4	3,140.78	1/4	3,504.76	1/4	3,785.37	1/4	3,999.95	1/4	4,369.39	1/4	4,738.35	1/4	5,107.35	1/4	5,476.29
1/2	202.62	1/2	566.60	1/2	934.76	1/2	1,303.59	1/2	1,672.57	1/2	2,041.54	1/2	2,410.52	1/2	2,779.50	1/2	3,148.47	1/2	3,511.45	1/2	3,784.98	1/2	3,999.95	1/2	4,369.39	1/2	4,738.35	1/2	5,107.35	1/2	5,476.29
3/4	210.12	3/4	574.29	3/4	942.42	3/4	1,311.28	3/4	1,680.25	3/4	2,049.23	3/4	2,418.21	3/4	2,787.18	3/4	3,156.16	3/4	3,520.07	3/4	3,784.59	3/4	3,999.95	3/4	4,369.39	3/4	4,738.35	3/4	5,107.35	3/4	5,476.29
9	217.62	9	581.97	9	950.09	9	1,318.97	9	1,687.94	9	2																				



EMS 3004B

INNAGE TABLE

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

HULL NO. 296-4348

0 FT.		1 FT.		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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D	N	D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
0	1.97	0	2.99	0	6.66	0	10.34	0	14.02	0	17.71	0	21.40	0	25.09	0	28.78	0	32.47	0	36.15	0	39.82	0	43.50	0	47.18	0	50.86	0	54.54	0	58.22	0	61.90	0	65.58	0	69.26	0	72.94	0	76.62	0	80.30	0	83.98	0	87.66	0	91.34	0	95.02	0	98.70	0	102.38	0	106.06	0	109.74	0	113.42	0	117.10	0	120.78	0	124.46	0	128.14	0	131.82	0	135.50	0	139.18	0	142.86	0	146.54	0	150.22	0	153.90	0	157.58	0	161.26	0	164.94	0	168.62	0	172.30	0	175.98	0	179.66	0	183.34	0	187.02	0	190.70	0	194.38	0	198.06	0	201.74	0	205.42	0	209.10	0	212.78	0	216.46	0	220.14	0	223.82	0	227.50	0	231.18	0	234.86	0	238.54	0	242.22	0	245.90	0	249.58	0	253.26	0	256.94	0	260.62	0	264.30	0	267.98	0	271.66	0	275.34	0	279.02	0	282.70	0	286.38	0	290.06	0	293.74	0	297.42	0	301.10	0	304.78	0	308.46	0	312.14	0	315.82	0	319.50	0	323.18	0	326.86	0	330.54	0	334.22	0	337.90	0	341.58	0	345.26	0	348.94	0	352.62	0	356.30	0	359.98	0	363.66	0	367.34	0	371.02	0	374.70	0	378.38	0	382.06	0	385.74	0	389.42	0	393.10	0	396.78	0	400.46	0	404.14	0	407.82	0	411.50	0	415.18	0	418.86	0	422.54	0	426.22	0	429.90	0	433.58	0	437.26	0	440.94	0	444.62	0	448.30	0	451.98	0	455.66	0	459.34	0	463.02	0	466.70	0	470.38	0	474.06	0	477.74	0	481.42	0	485.10	0	488.78	0	492.46	0	496.14	0	499.82	0	503.50	0	507.18	0	510.86	0	514.54	0	518.22	0	521.90	0	525.58	0	529.26	0	532.94	0	536.62	0	540.30	0	543.98	0	547.66	0	551.34	0	555.02	0	558.70	0	562.38	0	566.06	0	569.74	0	573.42	0	577.10	0	580.78	0	584.46	0	588.14	0	591.82	0	595.50	0	599.18	0	602.86	0	606.54	0	610.22	0	613.90	0	617.58	0	621.26	0	624.94	0	628.62	0	632.30	0	635.98	0	639.66	0	643.34	0	647.02	0	650.70	0	654.38	0	658.06	0	661.74	0	665.42	0	669.10	0	672.78	0	676.46	0	680.14	0	683.82	0	687.50	0	691.18	0	694.86	0	698.54	0	702.22	0	705.90	0	709.58	0	713.26	0	716.94	0	720.62	0	724.30	0	727.98	0	731.66	0	735.34	0	739.02	0	742.70	0	746.38	0	750.06	0	753.74	0	757.42	0	761.10	0	764.78	0	768.46	0	772.14	0	775.82	0	779.50	0	783.18	0	786.86	0	790.54	0	794.22	0	797.90	0	801.58	0	805.26	0	808.94	0	812.62	0	816.30	0	819.98	0	823.66	0	827.34	0	831.02	0	834.70	0	838.38	0	842.06	0	845.74	0	849.42	0	853.10	0	856.78	0	860.46	0	864.14	0	867.82	0	871.50	0	875.18	0	878.86	0	882.54	0	886.22	0	889.90	0	893.58	0	897.26	0	900.94	0	904.62	0	908.30	0	911.98	0	915.66	0	919.34	0	923.02	0	926.70	0	930.38	0	934.06	0	937.74	0	941.42	0	945.10	0	948.78	0	952.46	0	956.14	0	959.82	0	963.50	0	967.18	0	970.86	0	974.54	0	978.22	0	981.90	0	985.58	0	989.26	0	992.94	0	996.62	0	1000.30	0	1003.98	0	1007.66	0	1011.34	0	1015.02	0	1018.70	0	1022.38	0	1026.06	0	1029.74	0	1033.42	0	1037.10	0	1040.78	0	1044.46	0	1048.14	0	1051.82	0	1055.50	0	1059.18	0	1062.86	0	1066.54	0	1070.22	0	1073.90	0	1077.58	0	1081.26	0	1084.94	0	1088.62	0	1092.30	0	1095.98	0	1099.66	0	1103.34	0	1107.02	0	1110.70	0	1114.38	0	1118.06	0	1121.74	0	1125.42	0	1129.10	0	1132.78	0	1136.46	0	1140.14	0	1143.82	0	1147.50	0	1151.18	0	1154.86	0	1158.54	0	1162.22	0	1165.90	0	1169.58	0	1173.26	0	1176.94	0	1180.62	0	1184.30	0	1187.98	0	1191.66	0	1195.34	0	1199.02	0	1202.70	0	1206.38	0	1210.06	0	1213.74	0	1217.42	0	1221.10	0	1224.78	0	1228.46	0	1232.14	0	1235.82	0	1239.50	0	1243.18	0	1246.86	0	1250.54	0	1254.22	0	1257.90	0	1261.58	0	1265.26	0	1268.94	0	1272.62	0	1276.30	0	1279.98	0	1283.66	0	1287.34	0	1291.02	0	1294.70	0	1298.38	0	1302.06	0	1305.74	0	1309.42	0	1313.10	0	1316.78	0	1320.46	0	1324.14	0	1327.82	0	1331.50	0	1335.18	0	1338.86	0	1342.54	0	1346.22	0	1349.90	0	1353.58	0	1357.26	0	1360.94	0	1364.62	0	1368.30	0	1371.98	0	1375.66	0	1379.34	0	1383.02	0	1386.70	0	1390.38	0	1394.06	0	1397.74	0	1401.42	0	1405.10	0	1408.78	0	1412.46	0	1416.14	0	1419.82	0	1423.50	0	1427.18	0	1430.86	0	1434.54	0	1438.22	0	1441.90	0	1445.58	0	1449.26	0	1452.94	0	1456.62	0	1460.30	0	1463.98	0	1467.66	0	1471.34	0	1475.02	0	1478.70	0	1482.38	0	1486.06	0	1489.74	0	1493.42	0	1497.10	0	1500.78	0	1504.46	0	1508.14	0	1511.82	0	1515.50	0	1519.18	0	1522.86	0	1526.54	0	1530.22	0	1533.90	0	1537.58	0	1541.26	0	1544.94	0	1548.62	0	1552.30	0	1555.98	0	1559.66	0	1563.34	0	1567.02	0	1570.70	0	1574.38	0	1578.06	0	1581.74	0	1585.42	0	1589.10	0	1592.78	0	1596.46	0	1600.14	0	1603.82	0	1607.50	0	1611.18	0	1614.86	0	1618.54	0	1622.22	0	1625.90	0	1629.58	0	1633.26	0	1636.94	0	1640.62	0	1644.30	0	1647.98	0	1651.66	0	1655.34	0	1659.02	0	1662.70	0	1666.38	0	1670.06	0	1673.74	0	1677.42	0	1681.10	0	1684.78	0	1688.46	0	1692.14	0	1695.82	0	1699.50	0	1703.18	0	1706.86	0	1710.54	0	1714.22	0	1717.90	0	1721.58	0	1725.26	0	1728.94	0	1732.62	0	1736.30	0	1739.98	0	1743.66	0	1747.34	0	1751.02	0	1754.70	0	1758.38	0	1762.06	0	1765.74	0	1769.42	0	1773.10	0	1776.78	0	1780.46	0	1784.14	0	1787.82	0	1791.50	0	1795.18	0	1798.86	0	1802.54	0	1806.22	0	1809.90	0	1813.58	0	1817.26	0	1820.94	0	1824.62	0	1828.30	0	1831.98	0	1835.66	0	1839.34	0	1843.02	0	1846.70	0	1850.38	0	1854.06	0	1857.74	0	1861.42	0	1865.10	0	1868.78	0	1872.46	0	1876.14	0	1879.82	0	1883.50	0	1887.18	0	1890.86	0	1894.54	0	1898.22	0	1901.90	0	1905.58	0	1909.26	0	1912.94	0	1916.62	0	1920.30	0	1923.98	0	1927.66	0	1931.34	0	1935.02	0	1938.70	0	1942.38	0	1946.06	0	1949.74	0	1953.42	0	1957.10	0	1960.78	0	1964.46	0	1968.14	0	1971.82	0	1975.50	0	1979.18	0	1982.86	0	1986.54	0	1990.22	0	1993.90	0	1997.58	0	2001.26	0	2004.94	0	2008.62	0	2012.30	0	2015.98	0	2019.66	0	2023.34	0	2027.02	0	2030.70	0	2034.38	0	2038.06	0	2041.74	0	2045.42	0	2049.10	0	2052.78	0	2056.46	0	2060.14	0	2063.82	0	2067.50	0	2071.18	0	2074.86	0	2078.54	0	2082.22	0	2085.90	0	2089.58	0	2093.26	0	2096.94	0	2100.62	0	2104.30	0	2107.98	0	2111.66	0	2115.34	0	2119.02	0	2122.70	0	2126.38	0	2130.06	0	2133.74	0	2137.42	0	2141.10	0	2144.78	0	2148.46	0	2152.14	0	2155.82	0	2159.50	0	2163.18	0	2166.86	0	2170.54	0	2174.22	0	2177.90	0	2181.58	0	2185.26	0	2188.94	0	2192.62	0	2196.30	0	2200.00	0	2203.68	0	2207.36	0	2211.04	0	2214.72	0	2218.40	0	2222.08	0	2225.76	0	2229.44	0	2233.12	0	2236.80	0	2240.48	0	2244.16	0	2247.84	0	2251.52	0	2255.20	0	2258.88	0	2262.56	0	2266.24	0	2269.92	0	2273.60	0	2277.28	0	2280.96	0	2284.64	0	2288.32	0	2292.00	0	2295.68	0	2299.36	0	2303.04	0	2306.72	0	2310.40	0	2314.08	0	2317.76	0	2321.44	0	2325.12	0	2328.80	0	2332.48	0	2336.16	0	2339.84	0	2343.52	0	2347.20	0	2350.88	0	2354.56	0	2358.24	0	2361.92	0	2365.60	0	2369.28	0	2372.96	0	2376.64	0	2380.32	0	2384.00	0	2387.68	0	2391.36	0	2395.04	0	2398.72	0	2402.40	0	2406.08	0	2409.76	0	2413.44	0	2417.12	0	2420.80	0	2424.48	0	2428.16	0	2431.84	0	2435.52	0	2439.20	0	2442.88	0	2446.56	0	2450.24	0	2453.92	0</



ISO 9002 ACCREDITED

EMS 3004B

OUTAGE TABLE

2 PORT OR STAF

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

HULL NO. 296-4348

N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.	N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.
0		0	4,473.52	0	4,188.22	0	3,817.24	0	3,448.27	0	3,079.29	0	2,710.31	0	2,341.34	0	1,972.36	0	1,603.39	0	1,234.41	0	865.75	0	497.42	0	135.10		
1/4	1/4	1/4	4,472.08	1/4	4,178.53	1/4	3,809.55	1/4	3,440.58	1/4	3,071.60	1/4	2,702.63	1/4	2,333.65	1/4	1,964.67	1/4	1,595.70	1/4	1,226.72	1/4	858.09	1/4	489.73	1/4	127.60		
1/2	1/2	1/2	4,470.64	1/2	4,170.84	1/2	3,801.87	1/2	3,432.89	1/2	3,063.92	1/2	2,694.94	1/2	2,325.96	1/2	1,956.99	1/2	1,588.02	1/2	1,219.04	1/2	850.42	1/2	482.04	1/2	120.10		
3/4	3/4	3/4	4,468.23	3/4	4,163.16	3/4	3,794.18	3/4	3,425.20	3/4	3,055.23	3/4	2,687.25	3/4	2,318.28	3/4	1,949.30	3/4	1,580.32	3/4	1,211.35	3/4	843.56	3/4	474.36	3/4	112.60		
1	1	1	4,465.83	1	4,155.47	1	3,786.49	1	3,417.52	1	3,046.54	1	2,679.57	1	2,310.59	1	1,941.61	1	1,572.64	1	1,203.66	1	835.09	1	466.67	1	105.09		
1/4	1/4	1/4	4,463.43	1/4	4,147.78	1/4	3,778.81	1/4	3,409.83	1/4	3,040.85	1/4	2,671.88	1/4	2,302.90	1/4	1,933.93	1/4	1,564.95	1/4	1,195.97	1/4	827.42	1/4	457.30	1/4	97.59		
1/2	1/2	1/2	4,461.03	1/2	4,140.10	1/2	3,771.12	1/2	3,402.14	1/2	3,033.17	1/2	2,664.19	1/2	2,295.22	1/2	1,926.24	1/2	1,557.26	1/2	1,188.29	1/2	819.09	1/2	451.30	1/2	61.62		
3/4	3/4	3/4	4,457.66	3/4	4,132.41	3/4	3,763.43	3/4	3,394.46	3/4	3,025.48	3/4	2,656.50	3/4	2,287.53	3/4	1,918.55	3/4	1,549.58	3/4	1,179.58	3/4	812.08	3/4	443.61	3/4	82.59		
2	2	2	4,454.30	2	4,124.72	2	3,755.75	2	3,386.77	2	3,017.79	2	2,648.82	2	2,279.84	2	1,910.87	2	1,541.89	2	1,172.91	2	804.52	2	435.82	2	75.09		
1/4	1/4	1/4	4,450.94	1/4	4,117.03	1/4	3,748.06	1/4	3,378.08	1/4	3,010.11	1/4	2,641.14	1/4	2,272.15	1/4	1,903.18	1/4	1,533.93	1/4	1,165.23	1/4	796.75	1/4	428.23	1/4	68.35		
1/2	1/2	1/2	4,447.58	1/2	4,109.35	1/2	3,740.37	1/2	3,371.40	1/2	3,002.42	1/2	2,633.44	1/2	2,264.47	1/2	1,895.49	1/2	1,526.52	1/2	1,157.54	1/2	789.08	1/2	420.55	1/2	61.62		
3/4	3/4	3/4	4,443.25	3/4	4,101.66	3/4	3,732.68	3/4	3,363.71	3/4	2,994.73	3/4	2,625.76	3/4	2,256.78	3/4	1,887.80	3/4	1,518.83	3/4	1,149.85	3/4	781.42	3/4	412.86	3/4	54.89		
3	3	3	4,438.93	3	4,093.97	3	3,725.00	3	3,356.02	3	2,987.05	3	2,618.07	3	2,249.09	3	1,880.12	3	1,511.14	3	1,142.17	3	773.75	3	405.17	3	48.15		
1/4	1/4	1/4	4,434.60	1/4	4,086.29	1/4	3,717.31	1/4	3,348.33	1/4	2,979.36	1/4	2,610.38	1/4	2,241.41	1/4	1,872.43	1/4	1,503.45	1/4	1,134.48	1/4	766.08	1/4	397.67	1/4	42.96		
1/2	1/2	1/2	4,430.28	1/2	4,078.60	1/2	3,709.62	1/2	3,340.65	1/2	2,971.67	1/2	2,602.70	1/2	2,233.72	1/2	1,864.74	1/2	1,495.77	1/2	1,126.79	1/2	758.42	1/2	390.17	1/2	37.76		
3/4	3/4	3/4	4,425.99	3/4	4,070.91	3/4	3,701.94	3/4	3,332.96	3/4	2,963.98	3/4	2,594.01	3/4	2,226.03	3/4	1,857.06	3/4	1,488.08	3/4	1,119.10	3/4	750.75	3/4	382.67	3/4	32.57		
4	4	4	4,419.71	4	4,063.23	4	3,694.25	4	3,325.27	4	2,956.30	4	2,587.32	4	2,218.35	4	1,849.37	4	1,480.39	4	1,111.42	4	743.08	4	375.17	4	27.37		
1/4	1/4	1/4	4,414.42	1/4	4,055.54	1/4	3,686.56	1/4	3,317.59	1/4	2,948.51	1/4	2,579.53	1/4	2,210.56	1/4	1,841.88	1/4	1,472.71	1/4	1,103.73	1/4	735.41	1/4	367.66	1/4	23.71		
1/2	1/2	1/2	4,409.14	1/2	4,047.85	1/2	3,678.88	1/2	3,309.90	1/2	2,940.92	1/2	2,571.95	1/2	2,202.97	1/2	1,834.00	1/2	1,465.02	1/2	1,096.04	1/2	727.75	1/2	360.16	1/2	20.05		
3/4	3/4	3/4	4,402.89	3/4	4,040.16	3/4	3,671.19	3/4	3,302.21	3/4	2,933.24	3/4	2,564.26	3/4	2,195.28	3/4	1,826.31	3/4	1,457.33	3/4	1,088.36	3/4	720.08	3/4	352.66	3/4	16.40		
5	5	5	4,396.65	5	4,032.48	5	3,663.50	5	3,294.53	5	2,925.55	5	2,556.57	5	2,187.60	5	1,818.62	5	1,449.65	5	1,080.67	5	712.41	5	345.16	5	12.74		
1/4	1/4	1/4	4,390.40	1/4	4,024.79	1/4	3,655.81	1/4	3,286.84	1/4	2,917.86	1/4	2,548.89	1/4	2,179.91	1/4	1,810.93	1/4	1,441.96	1/4	1,072.98	1/4	704.75	1/4	337.66	1/4	10.43		
1/2	1/2	1/2	4,384.16	1/2	4,017.12	1/2	3,648.13	1/2	3,279.15	1/2	2,910.18	1/2	2,541.20	1/2	2,172.22	1/2	1,803.25	1/2	1,433.27	1/2	1,065.30	1/2	697.08	1/2	330.15	1/2	8.13		
3/4	3/4	3/4	4,378.95	3/4	4,009.42	3/4	3,640.44	3/4	3,271.46	3/4	2,902.49	3/4	2,533.51	3/4	2,164.54	3/4	1,795.56	3/4	1,424.58	3/4	1,057.61	3/4	689.41	3/4	322.65	3/4	5.82		
6	6	6	4,369.74	6	4,001.73	6	3,632.75	6	3,263.78	6	2,894.80	6	2,525.83	6	2,156.95	6	1,787.87	6	1,418.90	6	1,049.92	6	681.75	6	315.15	6	3.51		
1/4	1/4	1/4	4,362.54	1/4	3,994.04	1/4	3,625.07	1/4	3,256.09	1/4	2,887.11	1/4	2,518.14	1/4	2,149.16	1/4	1,780.19	1/4	1,411.21	1/4	1,042.23	1/4	674.08	1/4	307.55	1/4	2.74		
1/2	1/2	1/2	4,355.33	1/2	3,986.36	1/2	3,617.38	1/2	3,248.40	1/2	2,879.43	1/2	2,510.45	1/2	2,141.48	1/2	1,772.50	1/2	1,403.52	1/2	1,034.55	1/2	666.41	1/2	300.15	1/2	2.05		
3/4	3/4	3/4	4,347.64	3/4	3,978.67	3/4	3,609.69	3/4	3,240.72	3/4	2,871.74	3/4	2,502.76	3/4	2,133.79	3/4	1,764.81	3/4	1,395.84	3/4	1,026.86	3/4	658.74	3/4	292.64	3/4	1.34		
7	7	7	4,339.96	7	3,970.98	7	3,602.01	7	3,232.03	7	2,864.05	7	2,495.08	7	2,126.10	7	1,757.13	7	1,409.15	7	1,019.17	7	651.08	7	285.14	7	0.63		
1/4	1/4	1/4	4,332.27	1/4	3,963.29	1/4	3,594.32	1/4	3,223.34	1/4	2,856.37	1/4	2,487.39	1/4	2,118.11	1/4	1,749.44	1/4	1,380.46	1/4	1,011.49	1/4	643.41	1/4	277.64	1/4	0.14		
1/2	1/2	1/2	4,324.58	1/2	3,955.61	1/2	3,586.63	1/2	3,214.66	1/2	2,848.68	1/2	2,479.70	1/2	2,110.73	1/2	1,741.75	1/2	1,372.78	1/2	1,003.80	1/2	635.74	1/2	270.14	1/2	0.14		
3/4	3/4	3/4	4,316.90	3/4	3,947.92	3/4	3,578.94	3/4	3,206.97	3/4	2,840.99	3/4	2,472.02	3/4	2,103.04	3/4	1,734.06	3/4	1,365.09	3/4	1,000.80	3/4	628.08	3/4	262.64	3/4	0.14		
8	8	8	4,309.21	8	3,940.23	8	3,571.26	8	3,202.28	8	2,833.31	8	2,464.33	8	2,095.35	8	1,726.38	8	1,357.40	8	988.43	8	620.41	8	255.13	8	0.14		
1/4	1/4	1/4	4,301.52	1/4	3,932.55	1/4	3,563.57	1/4	3,194.59	1/4	2,825.52	1/4	2,456.64	1/4	2,087.67	1/4	1,718.69	1/4	1,349.71	1/4	980.76	1/4	612.72	1/4	247.63	1/4	0.14		
1/2	1/2	1/2	4,293.84	1/2	3,924.86	1/2	3,555.88	1/2	3,186.91	1/2	2,817.93	1/2	2,448.86	1/2	2,079.98	1/2	1,711.00	1/2	1,342.03	1/2	973.09	1/2	605.04	1/2	240.13	1/2	0.14		
3/4	3/4	3/4	4,286.15	3/4	3,917.17	3/4	3,548.20	3/4	3,179.22	3/4	2,810.24	3/4	2,441.27	3/4	2,072.29	3/4	1,703.32	3/4	1,334.34	3/4	965.42	3/4	597.35	3/4	232.63	3/4	0.14		
9	9	9	4,278.46	9	3,909.49	9	3,540.51	9	3,171.53	9	2,802.56	9	2,433.58	9	2,064.61	9	1,695.63	9	1,326.65	9	957.76	9	589.66	9	225.13	9	0.14		
1/4	1/4	1/4	4,270.77	1/4	3,901.80	1/4	3,532.82	1/4	3,163.85	1/4	2,794.87	1/4	2,425.89	1/4	2,056.92	1/4	1,687.94	1/4	1,318.97	1/4	950.09	1/4	581.97	1/4	217.62	1/4	0.14		
1/2	1/2	1/2	4,263.09	1/2	3,894.11	1/2	3,525.14	1/2	3,156.16	1/2	2,787.18	1/2	2,418.21	1/2	2,049.23	1/2	1,680.26	1/2	1,311.28	1/2	942.42	1/2	574.29	1/2	210.12	1/2	0.14		
3/4	3/4	3/4	4,255.40	3/4	3,886.42	3/4	3,517.45	3/4	3,148.47	3/4	2,779.50	3/4	2,410.52	3/4	2,041.54	3/4	1,672.57	3/4	1,303.59	3/4	934.76	3/4	566.60	3/4	202.62	3/4	0.14		
10	10	10	4,247.71	10	3,878.74	10	3,509.76	10	3,140.79	10	2,771.81	10	2,402.83	10	2,033.86	10	1,664.88	10	1,295.91	10	927.09	10	558.91	10	195.12	10	0.14		
1/4	1/4	1/4	4,240.03	1/4	3,871.05	1/4	3,502.07	1/4	3,133.10	1/4	2,764.12	1/4	2,395.15	1/4	2,026.17	1/4	1,657.19	1/4	1,288.22	1/4	919.42	1/4	551.23	1/4	187.62	1/4	0.14		

