



BARGE "HTCO-3081"

HIGMAN BARGE LINES

HULL NO. 4814

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: 12/8/11 BY: *Staver*
INSPECTORATE AMERICA CORPORATION



BARGE "HTCO-3081" HIGMAN BARGE LINES

INNAGE TABLE

1 PORT

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

M	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.
0	1.56	284.18	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	2.84	281.39	1/4	0	0	0	0	0	0	0	0	0	0	0	0
1/2	4.12	278.60	1/2	0	0	0	0	0	0	0	0	0	0	0	0
3/4	5.40	265.80	3/4	0	0	0	0	0	0	0	0	0	0	0	0
1	6.68	253.00	1	0	0	0	0	0	0	0	0	0	0	0	0
1 1/4	11.41	320.21	1 1/4	1	1	1	1	1	1	1	1	1	1	1	1
1 1/2	14.41	327.41	1 1/2	1	1	1	1	1	1	1	1	1	1	1	1
1 3/4	17.42	334.62	1 3/4	1	1	1	1	1	1	1	1	1	1	1	1
2	22.03	341.84	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	28.84	348.27	2 1/4	2	2	2	2	2	2	2	2	2	2	2	2
2 1/2	31.28	348.80	2 1/2	2	2	2	2	2	2	2	2	2	2	2	2
2 3/4	38.87	353.83	2 3/4	2	2	2	2	2	2	2	2	2	2	2	2
3	41.78	371.28	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	47.88	378.88	3 1/4	3	3	3	3	3	3	3	3	3	3	3	3
3 1/2	54.02	385.91	3 1/2	3	3	3	3	3	3	3	3	3	3	3	3
3 3/4	60.29	393.24	3 3/4	3	3	3	3	3	3	3	3	3	3	3	3
4	68.82	400.89	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	73.28	408.14	4 1/4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/2	79.78	415.60	4 1/2	4	4	4	4	4	4	4	4	4	4	4	4
4 3/4	86.32	423.08	4 3/4	4	4	4	4	4	4	4	4	4	4	4	4
5	92.88	430.60	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	99.14	437.95	5 1/4	5	5	5	5	5	5	5	5	5	5	5	5
5 1/2	105.81	445.40	5 1/2	5	5	5	5	5	5	5	5	5	5	5	5
5 3/4	112.07	452.86	5 3/4	5	5	5	5	5	5	5	5	5	5	5	5
6	118.86	460.43	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	128.34	468.01	6 1/4	6	6	6	6	6	6	6	6	6	6	6	6
6 1/2	131.83	475.60	6 1/2	6	6	6	6	6	6	6	6	6	6	6	6
6 3/4	138.42	483.17	6 3/4	6	6	6	6	6	6	6	6	6	6	6	6
7	145.00	490.76	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	161.89	498.32	7 1/4	7	7	7	7	7	7	7	7	7	7	7	7
7 1/2	168.17	506.80	7 1/2	7	7	7	7	7	7	7	7	7	7	7	7
7 3/4	184.78	514.48	7 3/4	7	7	7	7	7	7	7	7	7	7	7	7
8	171.71	520.90	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	178.88	528.32	8 1/4	8	8	8	8	8	8	8	8	8	8	8	8
8 1/2	185.82	535.74	8 1/2	8	8	8	8	8	8	8	8	8	8	8	8
8 3/4	192.67	543.16	8 3/4	8	8	8	8	8	8	8	8	8	8	8	8
9	199.62	550.59	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	206.47	558.01	9 1/4	9	9	9	9	9	9	9	9	9	9	9	9
9 1/2	213.42	565.43	9 1/2	9	9	9	9	9	9	9	9	9	9	9	9
9 3/4	220.38	572.85	9 3/4	9	9	9	9	9	9	9	9	9	9	9	9
10	227.48	580.27	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	234.85	587.69	10 1/4	10	10	10	10	10	10	10	10	10	10	10	10
10 1/2	241.80	595.11	10 1/2	10	10	10	10	10	10	10	10	10	10	10	10
10 3/4	248.88	602.53	10 3/4	10	10	10	10	10	10	10	10	10	10	10	10
11	256.78	610.00	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	263.83	617.47	11 1/4	11	11	11	11	11	11	11	11	11	11	11	11
11 1/2	268.91	624.90	11 1/2	11	11	11	11	11	11	11	11	11	11	11	11
11 3/4	276.98	632.32	11 3/4	11	11	11	11	11	11	11	11	11	11	11	11

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 12/9/11

* CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT: 17-5 1/2" (TO RIM OF 2" DIAMETER BALL VALVE)

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

[Signature]
INSPECTORATE AMERICA CORPORATION

BARGE "HTCO-3081"

HIGMAN BARGE LINES

INNAGE TABLE

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

HULL NO. 4814

Table with columns for Height (FT.), Capacity Below Strike Point (GALLONS), and Capacity Over Barge (GALLONS). Rows represent different measurement points along the barge's length.

CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT: 17'-5" (TO RM OF 10" DIAMETER HATCH LOCATED ON MAMWAY)

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

INSPECTORATE AMERICA CORPORATION

Handwritten signature of the inspector.



**BARGE "HTCO-3081"
HIGMAN BARGE LINES**

OUTAGE TABLE

1 PORT

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

	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.			
0																																

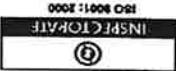
CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 120/11

REFERENCE GAUGE HEIGHT: 17'-5 1/2" (TO RIM OF 2" DIAMETER BALL VALVE)

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

(Signature)
INSPECTORATE AMERICA CORPORATION



FORM 17/18 (REV 03/2006)

ISO 9001:2000

BARGE "HTCO-3081"
HIGMAN BARGE LINES

OUTGAGE TABLE

1 PORT

BARGE SHOULD BE ON EVENLY LEVEL. KEEL WHEN GAUGES ARE TAKEN

16 FT.	17 FT.	18 FT.	19 FT.	20 FT.	21 FT.	22 FT.	23 FT.	24 FT.	25 FT.	26 FT.	27 FT.	28 FT.	29 FT.
0	802.80	844.80	106.01	0	0	0	0	0	0	0	0	0	0
1	784.06	827.86	98.14	82.88	0	0	0	0	0	0	0	0	0
2	759.84	803.06	88.32	84.06	0	0	0	0	0	0	0	0	0
3	733.22	778.86	78.75	78.75	1	1	1	1	1	1	1	1	1
4	704.43	749.14	70.29	70.29	1	1	1	1	1	1	1	1	1
5	680.01	724.03	64.94	64.94	1	1	1	1	1	1	1	1	1
6	661.80	703.89	61.92	61.92	1	1	1	1	1	1	1	1	1
7	648.86	689.86	59.86	59.86	1	1	1	1	1	1	1	1	1
8	641.88	681.88	58.84	58.84	1	1	1	1	1	1	1	1	1
9	632.22	673.89	58.19	58.19	1	1	1	1	1	1	1	1	1
10	624.16	666.43	57.83	57.83	1	1	1	1	1	1	1	1	1
11	617.27	660.01	57.88	57.88	1	1	1	1	1	1	1	1	1
12	612.22	654.16	57.99	57.99	1	1	1	1	1	1	1	1	1
13	608.44	648.86	58.12	58.12	1	1	1	1	1	1	1	1	1
14	604.74	644.06	58.19	58.19	1	1	1	1	1	1	1	1	1
15	602.80	640.06	58.32	58.32	1	1	1	1	1	1	1	1	1
16	600.80	636.43	58.40	58.40	1	1	1	1	1	1	1	1	1
17	598.74	633.22	58.41	58.41	1	1	1	1	1	1	1	1	1
18	598.80	630.44	58.40	58.40	1	1	1	1	1	1	1	1	1
19	598.80	628.86	58.40	58.40	1	1	1	1	1	1	1	1	1
20	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
21	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
22	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
23	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
24	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
25	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
26	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
27	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
28	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
29	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1
30	598.80	627.86	58.40	58.40	1	1	1	1	1	1	1	1	1

* CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT : 17'-6 1/2" (TO RIM OF 2" DIAMETER BALL VALVE)

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

INSPECTORATE AMERICA CORPORATION



BARGE "HTCO-3081" HIGMAN BARGE LINES

OUTAGE TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

N	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.				
	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	H	M	
0																																	
1																																	
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	
17																																	
18																																	
19																																	
20																																	
21																																	
22																																	
23																																	
24																																	

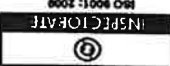
CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 12/0/11

REFERENCE GAUGE HEIGHT : 17'-5 3/4" (TO RIM OF 2" DIAMETER BALL VALVE)

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

[Signature]
INSPECTORATE AMERICA CORPORATION



REG. NO. 1378 AND 1472

ISO 9001:2000

BARGE "HTCO-3081" HIGMAN BARGE LINES

OUTGAUGE TABLE

2 PORT OR STAR

CAPACITIES GIVEN IN BARRELS OR 41 U.S. GALLONS											
18 FT.	19 FT.	20 FT.	21 FT.	22 FT.	23 FT.	24 FT.	25 FT.	26 FT.	27 FT.	28 FT.	29 FT.
0	474.80	0	1158.68	0	1944.30	0	2730.00	0	3515.80	0	4301.80
1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

REFERENCE GAUGE HEIGHT : 17'-5" 3/4" (TO RIM OF 2" DIAMETER BALL VALVE)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE ASTM STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.
Inspector
INSPECTORATE AMERICA CORPORATION

* CAPACITY BELOW STRIKE POINT.



**BARGE "HTCO-3081"
HIGMAN BARGE LINES**

OUTGAGE TABLE

3 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

H	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	8 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.
0																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																
1/4																
1/2																
3/4																
1																

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 128W11

REFERENCE GAUGE HEIGHT : 17'-6 1/2" (TO RIM OF 2" DIAMETER BALL VALVE)

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

[Signature]
INSPECTORATE AMERICA CORPORATION



BARGE "HTCO-3081"
HIGMAN BARGE LINES

OUTAGE TABLE

1 PORT

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

Table with columns for gauge height (0 FT. to 14 FT.) and rows for cargo capacity (0 to 34 barrels). Includes a note: CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

REFERENCE GAUGE HEIGHT : 17'-3" (TO RIM OF 10" DIAMETER HATCH LOCATED ON MANWAY)

STRAPPED: 128/11

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

INSPECTORATE AMERICA CORPORATION



**BARGE "HTCO-3081"
HIGMAN BARGE LINES**

OUTAGE TABLE

1 STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

	16 FT.	16 FT.	17 FT.	16 FT.	19 FT.	20 FT.	21 FT.	22 FT.	23 FT.	24 FT.	26 FT.	26 FT.	27 FT.	28 FT.	29 FT.
0	721.27	8	343.83	8	36.87	0	0	0	0	0	0	0	0	0	0
1/4	713.88	1/4	346.80	1/4	31.28	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	706.49	1/2	349.27	1/2	26.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	699.10	3/4	351.84	3/4	22.03	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	691.68	1	354.62	1	17.42	1	1	1	1	1	1	1	1	1	1
1 1/4	684.46	1 1/4	357.41	1 1/4	14.41	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	676.74	1 1/2	359.21	1 1/2	11.41	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/2	668.32	3/2	363.00	3/2	8.40	3/2	3/2	3/2	3/2	3/2	3/2	3/2	3/2	3/2	3/2
2	661.90	2	366.80	2	5.40	2	2	2	2	2	2	2	2	2	2
2 1/4	654.48	2 1/4	368.80	2 1/4	4.12	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	647.06	2 1/2	369.39	2 1/2	2.94	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
3/2	638.84	3/2	369.18	3/2	1.88	3/2	3/2	3/2	3/2	3/2	3/2	3/2	3/2	3/2	3/2
3	632.22	3	368.98	3	0	3	3	3	3	3	3	3	3	3	3
1 1/4	624.80	1 1/4	368.91	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	617.37	1 1/2	368.83	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	609.95	3/4	368.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	602.63	4	368.68	4		4	4	4	4	4	4	4	4	4	4
1 1/4	606.11	1 1/4	368.60	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	607.69	1 1/2	368.63	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	600.27	3/4	368.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	672.86	5	220.38	5	0	5	5	5	5	5	5	5	5	5	5
1 1/4	606.43	1 1/4	213.42	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	608.01	1 1/2	208.47	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	600.89	3/4	199.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	643.19	6	192.87	6	0	6	6	6	6	6	6	6	6	6	6
1 1/4	636.74	1 1/4	186.42	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	628.32	1 1/2	178.86	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	620.90	3/4	171.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	613.48	7	164.78	7		7	7	7	7	7	7	7	7	7	7
1 1/4	606.90	1 1/4	168.17	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	606.32	1 1/2	161.60	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	600.75	3/4	148.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	663.17	8	136.42	8		8	8	8	8	8	8	8	8	8	8
1 1/4	676.89	1 1/4	131.63	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	668.91	1 1/2	128.24	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	660.43	3/4	118.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	652.89	9	112.67	9		9	9	9	9	9	9	9	9	9	9
1 1/4	645.40	1 1/4	108.91	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	637.86	1 1/2	98.34	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	630.60	3/4	92.88	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	623.06	10	86.22	10		10	10	10	10	10	10	10	10	10	10
1 1/4	616.60	1 1/4	78.78	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	608.14	1 1/2	73.29	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	600.89	3/4	66.82	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	593.24	11	60.30	11		11	11	11	11	11	11	11	11	11	11
1 1/4	586.91	1 1/4	64.02	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	578.66	1 1/2	47.86	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
3/4	571.26	3/4	41.78	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 129/11

* CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT : 17'-2 3/4" (TO RIM OF 10" DIAMETER MATCH LOCATED ON MANWAY)

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

[Signature]
INSPECTORATE AMERICA CORPORATION



BARGE "HTCO-3081"
HIGMAN BARGE LINES

OUTAGE TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

Table with 18 columns representing gauge heights from 0 FT. to 14 FT. and multiple rows of numerical data for each height.

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 12/8/11

REFERENCE GAUGE HEIGHT: 17'-3 1/4" (TO RIM OF 10" DIAMETER HATCH LOCATED ON MANWAY)

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

Inspector signature and 'INSPECTORATE AMERICA CORPORATION' stamp



BARGE "HTCO-3081" HIGMAN BARGE LINES

OUTAGE TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.	20 FT.	21 FT.	22 FT.	23 FT.	24 FT.	25 FT.	26 FT.	27 FT.	28 FT.	29 FT.
0	766.42	8	306.14	0	49.14	0	0	0	0	0	0	0	0	0	0
1/4	781.92	1/4	301.83	1/4	42.71	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	744.41	1/2	284.12	1/2	38.27	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	738.91	3/4	276.82	3/4	31.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	728.40	1	269.11	1	26.48	1	1	1	1	1	1	1	1	1	1
1 1/4	721.88	1 1/4	261.81	1 1/4	21.89	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	714.99	1 1/2	254.10	1 1/2	16.70	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	708.88	1 3/4	248.89	1 3/4	12.82	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	698.33	2	238.08	2	10.44	2	2	2	2	2	2	2	2	2	2
2 1/4	691.87	2 1/4	231.58	2 1/4	7.46	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	684.24	2 1/2	224.08	2 1/2	4.34	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	676.86	2 3/4	216.87	2 3/4	3.35	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	669.24	3	209.08	3	2.33	3	3	3	3	3	3	3	3	3	3
1 1/4	681.89	1 1/4	301.84	1 1/4	1.30	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	684.34	1 1/2	294.86	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 1/4	645.83	2 1/4	284.56	2 1/4		2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
4	639.33	4	278.04	4		4	4	4	4	4	4	4	4	4	4
1 1/4	631.82	1 1/4	271.83	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	624.32	1 1/2	264.83	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 1/4	616.81	2 1/4	256.82	2 1/4		2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
3	609.30	3	249.02	3		3	3	3	3	3	3	3	3	3	3
1 1/4	601.80	1 1/4	241.81	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	594.29	1 1/2	234.00	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 1/4	586.79	2 1/4	226.50	2 1/4		2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
3	578.28	3	218.99	3		3	3	3	3	3	3	3	3	3	3
1 1/4	571.77	1 1/4	211.49	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	564.27	1 1/2	203.98	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 1/4	556.76	2 1/4	196.47	2 1/4		2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
7	549.26	7	188.97	7		7	7	7	7	7	7	7	7	7	7
1 1/4	541.75	1 1/4	181.46	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	534.24	1 1/2	173.96	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 1/4	526.74	2 1/4	167.02	2 1/4		2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
8	519.23	8	160.09	8		8	8	8	8	8	8	8	8	8	8
1 1/4	511.73	1 1/4	152.16	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	504.22	1 1/2	144.22	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 1/4	496.71	2 1/4	136.29	2 1/4		2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
9	489.21	9	132.36	9		9	9	9	9	9	9	9	9	9	9
1 1/4	481.70	1 1/4	124.42	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	474.20	1 1/2	116.48	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 1/4	466.69	2 1/4	111.55	2 1/4		2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
10	459.18	10	104.82	10		10	10	10	10	10	10	10	10	10	10
1 1/4	451.68	1 1/4	97.88	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	444.17	1 1/2	90.76	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 1/4	436.67	2 1/4	83.81	2 1/4		2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
11	429.16	11	76.96	11		11	11	11	11	11	11	11	11	11	11
1 1/4	421.65	1 1/4	69.95	1 1/4		1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	414.15	1 1/2	63.01	1 1/2		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
2 1/4	406.64	2 1/4	56.09	2 1/4		2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 12/8/11

* CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT: 17'-3 1/4" (TO RIM OF 10" DIAMETER HATCH LOCATED ON MANWAY)

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

INSPECTORATE AMERICA CORPORATION



**BARGE "HTCO-3081"
HIGMAN BARGE LINES**

OUTAGE TABLE

3 PORT OR STAR

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

HULL NO. 4814

	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.
1															
1/2															
3/4															
1															
1/2															
3/4															
2															
1/2															
3/4															
3															
1/2															
3/4															
4															
1/2															
3/4															
5															
1/2															
3/4															
6															
1/2															
3/4															
7															
1/2															
3/4															
8															
1/2															
3/4															
9															
1/2															
3/4															
10															
1/2															
3/4															
11															
1/2															
3/4															
12															
1/2															
3/4															
13															
1/2															
3/4															
14															
1/2															
3/4															
15															
1/2															
3/4															
16															
1/2															
3/4															
17															
1/2															
3/4															
18															
1/2															
3/4															
19															
1/2															
3/4															
20															
1/2															
3/4															
21															
1/2															
3/4															
22															
1/2															
3/4															
23															
1/2															
3/4															
24															
1/2															
3/4															

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 12/6/11

REFERENCE GAUGE HEIGHT: 17'-3" (TO RIM OF 10" DIAMETER HATCH LOCATED ON MAINWAY)

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


INSPECTORATE AMERICA CORPORATION



**BARGE "HTCO-3081"
HIGMAN BARGE LINES**

OUTAGE TABLE

3 PORT OR STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 4814

	16 FT.	16 FT.	17 FT.	16 FT.	19 FT.	20 FT.	21 FT.	22 FT.	23 FT.	24 FT.	26 FT.	20 FT.	27 FT.	28 FT.	29 FT.
0	770.45	405.63	45.50	0	0	0	0	0	0	0	0	0	0	0	0
1/4	782.87	398.02	38.88	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	788.29	390.41	33.48	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	747.72	382.80	28.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	740.14	378.20	23.10	1	1	1	1	1	1	1	1	1	1	1	1
1/4	732.86	367.59	17.91	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	724.86	349.88	14.89	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	717.41	342.37	11.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	708.83	344.76	7.92	1	1	1	1	1	1	1	1	1	1	1	1
1/4	702.28	337.15	4.89	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	694.86	328.64	3.81	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	687.10	321.83	2.44	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	678.62	314.32	1.36	1	1	1	1	1	1	1	1	1	1	1	1
1/4	671.88	306.71		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	664.34	299.11		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	656.73	291.50		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	649.12	283.89		1	1	1	1	1	1	1	1	1	1	1	1
1/4	641.61	276.28		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	633.90	268.67		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	626.29	261.06		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	618.68	253.45		1	1	1	1	1	1	1	1	1	1	1	1
1/4	611.07	245.84		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	603.47	238.23		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	595.86	230.62		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	588.26	223.02		1	1	1	1	1	1	1	1	1	1	1	1
1/4	580.64	215.41		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	573.03	207.80		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	565.42	200.19		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	557.81	192.58		1	1	1	1	1	1	1	1	1	1	1	1
1/4	550.20	184.97		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	542.60	177.36		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	534.98	170.23		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	527.38	162.62		1	1	1	1	1	1	1	1	1	1	1	1
1/4	519.77	155.01		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	512.16	147.40		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	504.55	140.79		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	496.94	133.18		1	1	1	1	1	1	1	1	1	1	1	1
1/4	489.33	125.57		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	481.72	117.96		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	474.11	111.28		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	466.50	103.67		1	1	1	1	1	1	1	1	1	1	1	1
1/4	458.89	96.04		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	451.28	88.41		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	443.68	81.00		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	436.07	74.44		1	1	1	1	1	1	1	1	1	1	1	1
1/4	428.46	67.07		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	420.86	59.70		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	413.24	52.33		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

STRAPPED: 12/20/11

* CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT : 17'-3" (TO RM OF 10" DIAMETER HATCH
LOCATED ON MANWAY)

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

INSPECTORATE AMERICA CORPORATION