



BARGE "KIRBY 29093"

ULLAGE TRIM TABLE

FORMERLY "CTCO 321/TWLM 303"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 243'-00"

February 10, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29093"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: CTCO 321

GAUGE HEIGHT 17'-10 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4		1/4		1/4		1/4	4,776.30	1/4		1/4	4,242.09	1/4		1/4	3,704.10	1/4	
1/2		1/2		1/2		1/2		1/2	4,770.79	1/2		1/2	4,236.52	1/2		1/2	3,697.10	1/2	
3/4		3/4		3/4		3/4		3/4	4,765.27	3/4		3/4	4,230.95	3/4		3/4	3,690.11	3/4	
1		1		1		1		1	4,759.76	1		1	4,225.38	1		1	3,683.12	1	
1/4		1/4		1/4		1/4		1/4	4,754.24	1/4		1/4	4,219.81	1/4		1/4	3,675.29	1/4	
1/2		1/2		1/2		1/2		1/2	4,748.73	1/2		1/2	4,214.24	1/2		1/2	3,667.47	1/2	
3/4		3/4		3/4		3/4		3/4	4,743.22	3/4		3/4	4,208.67	3/4		3/4	3,659.64	3/4	
2		2		2		2		2	4,737.70	2		2	4,203.10	2		2	3,651.82	2	
1/4		1/4		1/4		1/4		1/4	4,732.15	1/4		1/4	4,197.53	1/4		1/4	3,643.99	1/4	
1/2		1/2		1/2		1/2		1/2	4,726.60	1/2		1/2	4,191.96	1/2		1/2	3,636.17	1/2	
3/4		3/4		3/4		3/4		3/4	4,721.05	3/4		3/4	4,186.39	3/4		3/4	3,628.34	3/4	
3		3		3		3		3	4,715.50	3		3	4,180.82	3		3	3,620.52	3	
1/4		1/4		1/4		1/4		1/4	4,709.94	1/4		1/4	4,175.25	1/4		1/4	3,612.69	1/4	
1/2		1/2		1/2		1/2		1/2	4,704.37	1/2		1/2	4,169.68	1/2		1/2	3,604.87	1/2	
3/4		3/4		3/4		3/4		3/4	4,698.80	3/4		3/4	4,164.11	3/4		3/4	3,597.04	3/4	
4		4		4		4		4	4,693.23	4		4	4,158.54	4		4	3,589.22	4	
1/4		1/4		1/4		1/4		1/4	4,687.66	1/4		1/4	4,152.98	1/4		1/4	3,581.39	1/4	
1/2		1/2		1/2		1/2		1/2	4,682.09	1/2		1/2	4,147.41	1/2		1/2	3,573.57	1/2	
3/4		3/4		3/4		3/4		3/4	4,676.52	3/4		3/4	4,141.84	3/4		3/4	3,565.74	3/4	
5		5		5		5		5	4,670.95	5		5	4,136.27	5		5	3,557.92	5	
1/4		1/4		1/4		1/4		1/4	4,665.38	1/4		1/4	4,130.70	1/4		1/4	3,550.09	1/4	
1/2		1/2		1/2		1/2		1/2	4,659.81	1/2		1/2	4,125.13	1/2		1/2	3,542.27	1/2	
3/4		3/4		3/4		3/4		3/4	4,654.24	3/4		3/4	4,119.56	3/4		3/4	3,534.44	3/4	
6		6		6		6		6	4,648.67	6		6	4,113.99	6		6	3,526.62	6	
1/4		1/4		1/4		1/4		1/4	4,885.64	1/4		1/4	4,108.42	1/4		1/4	3,518.79	1/4	
1/2		1/2		1/2		1/2		1/2	4,883.86	1/2		1/2	4,102.85	1/2		1/2	3,510.97	1/2	
3/4		3/4		3/4		3/4		3/4	4,882.08	3/4		3/4	4,097.28	3/4		3/4	3,503.14	3/4	
7		7		7		7		7	4,880.30	7		7	4,091.71	7		7	3,495.32	7	
1/4		1/4		1/4		1/4		1/4	4,876.95	1/4		1/4	4,086.12	1/4		1/4	3,487.49	1/4	
1/2		1/2		1/2		1/2		1/2	4,873.60	1/2		1/2	4,080.54	1/2		1/2	3,479.67	1/2	
3/4		3/4		3/4		3/4		3/4	4,870.25	3/4		3/4	4,074.95	3/4		3/4	3,471.84	3/4	
8		8		8		8		8	4,866.89	8		8	4,069.36	8		8	3,464.02	8	
1/4		1/4		1/4		1/4		1/4	4,862.09	1/4		1/4	4,063.76	1/4		1/4	3,456.19	1/4	
1/2		1/2		1/2		1/2		1/2	4,857.29	1/2		1/2	4,058.17	1/2		1/2	3,448.37	1/2	
3/4		3/4		3/4		3/4		3/4	4,852.49	3/4		3/4	4,052.57	3/4		3/4	3,440.54	3/4	
9		9		9		9		9	4,847.69	9		9	4,046.97	9		9	3,432.72	9	
1/4		1/4		1/4		1/4		1/4	4,842.25	1/4		1/4	4,041.37	1/4		1/4	3,424.89	1/4	
1/2		1/2		1/2		1/2		1/2	4,836.81	1/2		1/2	4,035.77	1/2		1/2	3,417.07	1/2	
3/4		3/4		3/4		3/4		3/4	4,831.37	3/4		3/4	4,030.18	3/4		3/4	3,409.24	3/4	
10		10		10		10		10	4,825.93	10		10	4,024.58	10		10	3,401.42	10	
1/4		1/4		1/4		1/4		1/4	4,820.41	1/4		1/4	4,018.98	1/4		1/4	3,393.59	1/4	
1/2		1/2		1/2		1/2		1/2	4,814.90	1/2		1/2	4,013.38	1/2		1/2	3,385.77	1/2	
3/4		3/4		3/4		3/4		3/4	4,809.38	3/4		3/4	4,007.78	3/4		3/4	3,377.94	3/4	
11		11		11		11		11	4,803.87	11		11	4,002.19	11		11	3,370.12	11	
1/4		1/4		1/4		1/4		1/4	4,798.36	1/4		1/4	3,996.59	1/4		1/4	3,362.29	1/4	
1/2		1/2		1/2		1/2		1/2	4,792.84	1/2		1/2	3,990.99	1/2		1/2	3,354.47	1/2	
3/4		3/4		3/4		3/4		3/4	4,787.33	3/4		3/4	3,985.39	3/4		3/4	3,346.64	3/4	
									4,781.81				3,979.79				3,338.82		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC DEVICE".
 GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29093"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	106	0	270	0	431	0		0		0		0		0		0	
1/4	1	1/4	109	1/4	273	1/4	433	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	112	1/2	277	1/2	436	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	115	3/4	280	3/4	439	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	119	1	284	1	442	1		1		1		1		1		1	
1/4	4	1/4	122	1/4	287	1/4	445	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	125	1/2	291	1/2	448	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	128	3/4	295	3/4	451	3/4		3/4		3/4		3/4		3/4		3/4	
2	8	2	131	2	298	2	453	2		2		2		2		2		2	
1/4	9	1/4	135	1/4	302	1/4	456	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	138	1/2	305	1/2	459	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	13	3/4	141	3/4	309	3/4	461	3/4		3/4		3/4		3/4		3/4		3/4	
3	14	3	145	3	312	3	464	3		3		3		3		3		3	
1/4	16	1/4	148	1/4	316	1/4	467	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	18	1/2	151	1/2	319	1/2	469	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	20	3/4	155	3/4	323	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
4	22	4	158	4	326	4	474	4		4		4		4		4		4	
1/4	24	1/4	161	1/4	330	1/4	477	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	26	1/2	165	1/2	333	1/2	479	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	28	3/4	168	3/4	336	3/4	481	3/4		3/4		3/4		3/4		3/4		3/4	
5	30	5	172	5	340	5	484	5		5		5		5		5		5	
1/4	32	1/4	175	1/4	343	1/4	486	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	178	1/2	347	1/2	488	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37	3/4	182	3/4	350	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
6	39	6	185	6	354	6	493	6		6		6		6		6		6	
1/4	42	1/4	189	1/4	357	1/4	495	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	192	1/2	360	1/2	497	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	47	3/4	196	3/4	364	3/4	499	3/4		3/4		3/4		3/4		3/4		3/4	
7	49	7	199	7	367	7	501	7		7		7		7		7		7	
1/4	52	1/4	203	1/4	370	1/4	502	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	54	1/2	206	1/2	374	1/2	504	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	57	3/4	210	3/4	377	3/4	506	3/4		3/4		3/4		3/4		3/4		3/4	
8	59	8	213	8	380	8	508	8		8		8		8		8		8	
1/4	62	1/4	217	1/4	384	1/4	509	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	65	1/2	220	1/2	387	1/2	510	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	68	3/4	224	3/4	390	3/4	512	3/4		3/4		3/4		3/4		3/4		3/4	
9	70	9	227	9	393	9	513	9		9		9		9		9		9	
1/4	73	1/4	231	1/4	397	1/4	514	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	76	1/2	234	1/2	400	1/2	515	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	79	3/4	238	3/4	403	3/4	516	3/4		3/4		3/4		3/4		3/4		3/4	
10	82	10	241	10	406	10	517	10		10		10		10		10		10	
1/4	85	1/4	245	1/4	409	1/4	518	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	88	1/2	249	1/2	412	1/2	518	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	91	3/4	252	3/4	415	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	94	11	256	11	418	11		11		11		11		11		11		11	
1/4	97	1/4	259	1/4	422	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	100	1/2	263	1/2	425	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	103	3/4	266	3/4	428	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

STRAPPED: 02/09/2022 JS
CALCULATED: 02/10/2022 CL
PRINTED: 02/10/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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