



# BARGE "KIRBY 29145"

## ULLAGE TRIM TABLE

### FORMERLY "SMS 30021"

	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	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 PORT	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
3 STBD	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

**EXAMPLE FOR ABOVE TRIM CORRECTIONS:**

FWD. DRAFT = 2'-00"  
 AFT DRAFT = 8'-00"  
 DIFF. = 6'-00" (DOWN BY STERN)

THE CORRECTION FOR 6'-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"

July 19, 2021

**PRECISION MEASUREMENT  
 & ANALYSIS, INC.**  
 P.O. Box 2092  
 Pearland, Texas 77588

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BARGE "KIRBY 29145"

1 PORT
ULLAGE TABLE
MMC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30021"

GAUGE HEIGHT 15'-11 1/2"

Table with columns IN, 10 FT., 11 FT., 12 FT., 13 FT., 14 FT., 15 FT., 16 FT., 17 FT., 18 FT., 19 FT. and rows 0 through 11. Each row contains numerical values for capacity at different heights and gauges.

STRAPPED: 05/03/2011 INSP
RECALCULATED: 07/19/2021 PMA
NAME CHANGE: 07/19/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "KIRBY 29145"

1 STBD

ULLAGE TABLE

MMC

GAUGE HEIGHT 15'-11 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "SMS 30021"

Table with columns for height (IN) and capacity (BARRELS) for various gauge heights (10 FT. to 19 FT.). Each row represents a specific height and its corresponding capacity in barrels.

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# BARGE "KIRBY 29145"

## SLOP 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	415	0	983	0	1,583	0	2,129	0		0		0		0		0	
1/4	5	1/4	426	1/4	996	1/4	1,595	1/4	2,139	1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	437	1/2	1,008	1/2	1,608	1/2	2,149	1/2		1/2		1/2		1/2		1/2	
3/4	15	3/4	448	3/4	1,021	3/4	1,620	3/4	2,159	3/4		3/4		3/4		3/4		3/4	
1	20	1	459	1	1,033	1	1,632	1	2,169	1		1		1		1		1	
1/4	26	1/4	470	1/4	1,046	1/4	1,644	1/4	2,179	1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	481	1/2	1,058	1/2	1,656	1/2	2,188	1/2		1/2		1/2		1/2		1/2	
3/4	39	3/4	492	3/4	1,071	3/4	1,668	3/4	2,198	3/4		3/4		3/4		3/4		3/4	
2	45	2	503	2	1,083	2	1,680	2	2,207	2		2		2		2		2	
1/4	52	1/4	515	1/4	1,096	1/4	1,692	1/4	2,217	1/4		1/4		1/4		1/4		1/4	
1/2	60	1/2	526	1/2	1,108	1/2	1,704	1/2	2,226	1/2		1/2		1/2		1/2		1/2	
3/4	67	3/4	538	3/4	1,121	3/4	1,716	3/4	2,235	3/4		3/4		3/4		3/4		3/4	
3	74	3	549	3	1,134	3	1,728	3	2,244	3		3		3		3		3	
1/4	82	1/4	561	1/4	1,146	1/4	1,740	1/4	2,253	1/4		1/4		1/4		1/4		1/4	
1/2	89	1/2	572	1/2	1,159	1/2	1,752	1/2	2,262	1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	584	3/4	1,171	3/4	1,764	3/4	2,271	3/4		3/4		3/4		3/4		3/4	
4	105	4	595	4	1,184	4	1,776	4	2,280	4		4		4		4		4	
1/4	113	1/4	607	1/4	1,196	1/4	1,788	1/4	2,288	1/4		1/4		1/4		1/4		1/4	
1/2	122	1/2	619	1/2	1,209	1/2	1,799	1/2	2,296	1/2		1/2		1/2		1/2		1/2	
3/4	130	3/4	630	3/4	1,222	3/4	1,811	3/4	2,305	3/4		3/4		3/4		3/4		3/4	
5	138	5	642	5	1,234	5	1,823	5	2,313	5		5		5		5		5	
1/4	147	1/4	654	1/4	1,247	1/4	1,834	1/4	2,321	1/4		1/4		1/4		1/4		1/4	
1/2	156	1/2	666	1/2	1,259	1/2	1,846	1/2	2,329	1/2		1/2		1/2		1/2		1/2	
3/4	165	3/4	678	3/4	1,272	3/4	1,857	3/4	2,336	3/4		3/4		3/4		3/4		3/4	
6	174	6	690	6	1,284	6	1,869	6	2,344	6		6		6		6		6	
1/4	183	1/4	702	1/4	1,297	1/4	1,880	1/4	2,351	1/4		1/4		1/4		1/4		1/4	
1/2	192	1/2	714	1/2	1,310	1/2	1,892	1/2	2,358	1/2		1/2		1/2		1/2		1/2	
3/4	201	3/4	726	3/4	1,322	3/4	1,903	3/4	2,366	3/4		3/4		3/4		3/4		3/4	
7	211	7	738	7	1,335	7	1,915	7	2,373	7		7		7		7		7	
1/4	220	1/4	750	1/4	1,347	1/4	1,926	1/4	2,379	1/4		1/4		1/4		1/4		1/4	
1/2	230	1/2	762	1/2	1,360	1/2	1,937	1/2	2,385	1/2		1/2		1/2		1/2		1/2	
3/4	239	3/4	774	3/4	1,372	3/4	1,948	3/4	2,392	3/4		3/4		3/4		3/4		3/4	
8	249	8	786	8	1,385	8	1,959	8	2,398	8		8		8		8		8	
1/4	259	1/4	798	1/4	1,397	1/4	1,970	1/4	2,403	1/4		1/4		1/4		1/4		1/4	
1/2	269	1/2	810	1/2	1,410	1/2	1,981	1/2	2,408	1/2		1/2		1/2		1/2		1/2	
3/4	279	3/4	823	3/4	1,422	3/4	1,992	3/4	2,413	3/4		3/4		3/4		3/4		3/4	
9	289	9	835	9	1,435	9	2,003	9	2,418	9		9		9		9		9	
1/4	299	1/4	847	1/4	1,447	1/4	2,014	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	309	1/2	859	1/2	1,460	1/2	2,025	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	319	3/4	872	3/4	1,472	3/4	2,036	3/4		3/4		3/4		3/4		3/4		3/4	
10	330	10	884	10	1,484	10	2,046	10		10		10		10		10		10	
1/4	340	1/4	896	1/4	1,497	1/4	2,057	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	351	1/2	909	1/2	1,509	1/2	2,067	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	361	3/4	921	3/4	1,522	3/4	2,078	3/4		3/4		3/4		3/4		3/4		3/4	
11	372	11	934	11	1,534	11	2,088	11		11		11		11		11		11	
1/4	382	1/4	946	1/4	1,546	1/4	2,099	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	393	1/2	958	1/2	1,559	1/2	2,109	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	404	3/4	971	3/4	1,571	3/4	2,119	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.  
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES

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# 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	101	0	258	0	414	0	515	0		0		0		0		0	
1/4	1	1/4	104	1/4	261	1/4	417	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	107	1/2	264	1/2	420	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	110	3/4	268	3/4	423	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	113	1	271	1	426	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	116	1/4	275	1/4	429	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	119	1/2	278	1/2	432	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	122	3/4	281	3/4	434	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	125	2	285	2	437	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	128	1/4	288	1/4	440	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	131	1/2	292	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	134	3/4	295	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	138	3	298	3	448	3	3	3	3	3	3	3	3	3	3	3	3
1/4	15	1/4	141	1/4	302	1/4	451	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	144	1/2	305	1/2	453	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	147	3/4	309	3/4	456	3/4		3/4		3/4		3/4		3/4		3/4	
4	21	4	150	4	312	4	459	4	4	4	4	4	4	4	4	4	4	4	4
1/4	22	1/4	154	1/4	315	1/4	461	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	157	1/2	319	1/2	464	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	160	3/4	322	3/4	466	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	163	5	325	5	469	5	5	5	5	5	5	5	5	5	5	5	5
1/4	31	1/4	167	1/4	329	1/4	471	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	33	1/2	170	1/2	332	1/2	473	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	173	3/4	335	3/4	476	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	176	6	339	6	478	6	6	6	6	6	6	6	6	6	6	6	6
1/4	39	1/4	180	1/4	342	1/4	480	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	42	1/2	183	1/2	345	1/2	482	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	186	3/4	349	3/4	484	3/4		3/4		3/4		3/4		3/4		3/4	
7	47	7	190	7	352	7	487	7	7	7	7	7	7	7	7	7	7	7	7
1/4	49	1/4	193	1/4	355	1/4	489	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	196	1/2	358	1/2	491	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	200	3/4	362	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	203	8	365	8	495	8	8	8	8	8	8	8	8	8	8	8	8
1/4	59	1/4	207	1/4	368	1/4	496	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	62	1/2	210	1/2	371	1/2	498	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	64	3/4	213	3/4	374	3/4	500	3/4		3/4		3/4		3/4		3/4		3/4	
9	67	9	217	9	378	9	502	9	9	9	9	9	9	9	9	9	9	9	9
1/4	70	1/4	220	1/4	381	1/4	503	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	72	1/2	223	1/2	384	1/2	505	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	227	3/4	387	3/4	506	3/4		3/4		3/4		3/4		3/4		3/4	
10	78	10	230	10	390	10	508	10	10	10	10	10	10	10	10	10	10	10	10
1/4	81	1/4	234	1/4	393	1/4	509	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	237	1/2	396	1/2	510	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	86	3/4	240	3/4	399	3/4	511	3/4		3/4		3/4		3/4		3/4		3/4	
11	89	11	244	11	402	11	512	11	11	11	11	11	11	11	11	11	11	11	11
1/4	92	1/4	247	1/4	405	1/4	513	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	95	1/2	251	1/2	408	1/2	514	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	254	3/4	411	3/4	514	3/4		3/4		3/4		3/4		3/4		3/4	

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