

HSM 3145

Formerly

Barge "HTCO 3145"

ULLAGE TRIM TABLE

HERMETIC



	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 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
1 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
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	-00-1/4	00-1/4	-00-3/8	00-3/8
2 STBD	-00-0/8	00-0/8	-00-1/8	00-1/8	-00-1/8	00-1/8	-00-1/4	00-1/4	-00-1/4	00-1/4	-00-3/8	00-3/8
3 PORT	00-5/8	-00-5/8	01-1/8	-01-1/8	01-3/4	-01-3/4	02-1/4	-02-1/4	02-7/8	-02-7/8	03-3/8	-03-3/8
3 STBD	00-5/8	-00-5/8	01-1/8	-01-1/8	01-3/4	-01-3/4	02-1/4	-02-1/4	02-7/8	-02-7/8	03-3/8	-03-3/8

(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 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 253'-03"

September 18, 2019

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

<http://www.pmacorp.net>

The Pearson

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27

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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092

arland, Texas 77588

Peñalanda, Texas 77368
http://www.pma.com.pe/

SHEET NO. 1 OF 15

True Love

CAPACITY GIVEN IN BARRELS OF 42 U.S. GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	2,617.43	0	2,554.81	0	1,892.19	0	1,529.57	0	1,167.06	0	804.82	0	442.23	0	80.71	0	0	0	0
1/4	2,609.38	1/4	2,547.26	1/4	1,884.64	1/4	1,522.01	1/4	1,159.52	1/4	797.27	1/4	434.70	1/4	73.94	1/4	1/4	1/4	1/4
1/2	2,602.32	1/2	2,540.20	1/2	1,877.08	1/2	1,514.46	1/2	1,151.98	1/2	789.71	1/2	427.16	1/2	67.18	1/2	1/2	1/2	1/2
3/4	2,594.77	3/4	2,532.15	3/4	1,869.53	3/4	1,506.91	3/4	1,144.44	3/4	782.16	3/4	419.55	3/4	60.41	3/4	3/4	3/4	3/4
1	2,587.21	1	2,524.59	1	1,861.97	1	1,499.35	1	1,136.89	1	774.61	1	412.00	1	54.90	1	1	1	1
1 1/4	2,579.66	1 1/4	2,517.04	1 1/4	1,854.42	1 1/4	1,491.80	1 1/4	1,129.35	1 1/4	767.05	1 1/4	404.44	1 1/4	49.40	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	2,572.10	1 1/2	2,509.48	1 1/2	1,846.86	1 1/2	1,484.24	1 1/2	1,121.81	1 1/2	759.50	1 1/2	396.89	1 1/2	43.89	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	2,564.55	1 3/4	2,501.93	1 3/4	1,839.31	1 3/4	1,476.69	1 3/4	1,114.27	1 3/4	751.94	1 3/4	389.34	1 3/4	38.38	1 3/4	1 3/4	1 3/4	1 3/4
2	2,556.99	2	2,494.37	2	1,831.75	2	1,469.13	2	1,106.73	2	744.39	2	381.78	2	34.13	2	2	2	2
2 1/4	2,549.44	2 1/4	2,486.82	2 1/4	1,824.20	2 1/4	1,461.58	2 1/4	1,099.18	2 1/4	736.83	2 1/4	374.23	2 1/4	29.88	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2,541.89	2 1/2	2,479.26	2 1/2	1,816.64	2 1/2	1,454.02	2 1/2	1,091.64	2 1/2	729.28	2 1/2	366.67	2 1/2	25.63	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2,534.33	2 3/4	2,471.71	2 3/4	1,809.09	2 3/4	1,446.47	2 3/4	1,084.10	2 3/4	721.73	2 3/4	359.12	2 3/4	21.39	2 3/4	2 3/4	2 3/4	2 3/4
3	2,526.78	3	2,464.16	3	1,801.53	3	1,438.91	3	1,076.56	3	714.17	3	351.56	3	17.14	3	3	3	3
3 1/4	2,519.22	3 1/4	2,456.60	3 1/4	1,793.98	3 1/4	1,431.36	3 1/4	1,069.01	3 1/4	706.62	3 1/4	344.01	3 1/4	13.89	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	2,511.67	3 1/2	2,449.05	3 1/2	1,786.43	3 1/2	1,423.80	3 1/2	1,061.47	3 1/2	699.06	3 1/2	336.46	3 1/2	9.64	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	2,504.11	3 3/4	2,441.49	3 3/4	1,778.87	3 3/4	1,416.25	3 3/4	1,053.93	3 3/4	691.51	3 3/4	328.90	3 3/4	6.39	3 3/4	3 3/4	3 3/4	3 3/4
4	2,496.56	4	2,433.94	4	1,771.32	4	1,408.70	4	1,046.39	4	683.95	4	321.35	4	3.14	4	4	4	4
4 1/4	2,489.00	4 1/4	2,426.38	4 1/4	1,763.76	4 1/4	1,401.14	4 1/4	1,038.84	4 1/4	676.40	4 1/4	313.79	4 1/4	0.89	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	2,481.45	4 1/2	2,418.83	4 1/2	1,756.21	4 1/2	1,393.59	4 1/2	1,031.30	4 1/2	668.85	4 1/2	306.24	4 1/2	0.64	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	2,473.89	4 3/4	2,411.27	4 3/4	1,748.65	4 3/4	1,386.03	4 3/4	1,023.76	4 3/4	661.29	4 3/4	298.68	4 3/4	0.39	4 3/4	4 3/4	4 3/4	4 3/4
5	2,466.34	5	2,403.72	5	1,741.10	5	1,378.48	5	1,016.22	5	653.74	5	291.13	5	0.14	5	5	5	5
5 1/4	2,458.78	5 1/4	2,396.16	5 1/4	1,733.54	5 1/4	1,370.92	5 1/4	1,008.68	5 1/4	646.18	5 1/4	283.58	5 1/4	0.89	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	2,451.23	5 1/2	2,388.61	5 1/2	1,725.99	5 1/2	1,363.37	5 1/2	1,001.13	5 1/2	638.63	5 1/2	276.02	5 1/2	0.64	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	2,443.68	5 3/4	2,381.05	5 3/4	1,718.43	5 3/4	1,355.81	5 3/4	993.59	5 3/4	631.07	5 3/4	268.47	5 3/4	0.39	5 3/4	5 3/4	5 3/4	5 3/4
6	2,436.12	6	2,373.50	6	1,710.88	6	1,348.26	6	986.05	6	623.52	6	260.91	6	0.14	6	6	6	6
6 1/4	2,428.57	6 1/4	2,365.95	6 1/4	1,703.32	6 1/4	1,340.70	6 1/4	978.51	6 1/4	615.97	6 1/4	253.36	6 1/4	0.89	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	2,421.01	6 1/2	2,358.39	6 1/2	1,695.77	6 1/2	1,333.15	6 1/2	970.96	6 1/2	608.41	6 1/2	245.80	6 1/2	0.64	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	2,413.46	6 3/4	2,350.84	6 3/4	1,688.22	6 3/4	1,325.59	6 3/4	963.42	6 3/4	600.86	6 3/4	238.25	6 3/4	0.39	6 3/4	6 3/4	6 3/4	6 3/4
7	2,405.90	7	2,343.28	7	1,680.66	7	1,318.04	7	955.88	7	593.30	7	230.70	7	0.14	7	7	7	7
7 1/4	2,398.35	7 1/4	2,335.73	7 1/4	1,673.11	7 1/4	1,310.49	7 1/4	948.33	7 1/4	585.75	7 1/4	223.14	7 1/4	0.89	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	2,390.79	7 1/2	2,328.17	7 1/2	1,665.55	7 1/2	1,302.93	7 1/2	940.79	7 1/2	578.19	7 1/2	215.59	7 1/2	0.64	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	2,383.24	7 3/4	2,320.62	7 3/4	1,658.00	7 3/4	1,295.38	7 3/4	933.25	7 3/4	570.64	7 3/4	208.03	7 3/4	0.39	7 3/4	7 3/4	7 3/4	7 3/4
8	2,375.68	8	2,313.06	8	1,650.44	8	1,287.82	8	925.69	8	563.09	8	200.46	8	0.14	8	8	8	8
8 1/4	2,368.13	8 1/4	2,305.51	8 1/4	1,642.89	8 1/4	1,280.27	8 1/4	918.14	8 1/4	555.53	8 1/4	192.89	8 1/4	0.89	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	2,360.57	8 1/2	2,300.00	8 1/2	1,635.33	8 1/2	1,272.71	8 1/2	910.58	8 1/2	547.98	8 1/2	185.32	8 1/2	0.64	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	2,353.02	8 3/4	2,292.45	8 3/4	1,627.78	8 3/4	1,265.16	8 3/4	903.03	8 3/4	540.42	8 3/4	177.82	8 3/4	0.39	8 3/4	8 3/4	8 3/4	8 3/4
9	2,345.47	9	2,284.89	9	1,620.22	9	1,257.60	9	895.47	9	532.87	9	170.26	9	0.14	9	9	9	9
9 1/4	2,337.91	9 1/4	2,277.32	9 1/4	1,612.67	9 1/4	1,250.05	9 1/4	887.92	9 1/4	525.31	9 1/4	162.71	9 1/4	0.89	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	2,330.36	9 1/2	2,269.77	9 1/2	1,605.11	9 1/2	1,242.50	9 1/2	880.37	9 1/2	517.76	9 1/2	155.15	9 1/2	0.64	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	2,322.80	9 3/4	2,262.21	9 3/4	1,597.56	9 3/4	1,234.94	9 3/4	872.81	9 3/4	510.21	9 3/4	147.60	9 3/4	0.39	9 3/4	9 3/4	9 3/4	9 3/4
10	2,315.25	10	2,254.66	10	1,590.01	10	1,227.40	10	865.26	10	502.65	10	140.04	10	0.14	10	10	10	10
10 1/4	2,307.69	10 1/4	2,247.10	10 1/4	1,582.45	10 1/4	1,219.86	10 1/4	857.70	10 1/4	495.10	10 1/4	132.49	10 1/4	0.89	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	2,300.14	10 1/2	2,239.55	10 1/2	1,574.90	10 1/2	1,212.32	10 1/2	850.15	10 1/2	487.54	10 1/2	124.94	10 1/2	0.64	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	2,292.58	10 3/4	2,231.99	10 3/4	1,567.34	10 3/4	1,204.78	10 3/4	842.59	10 3/4	479.99	10 3/4	117.38	10 3/4	0.39	10 3/4	10 3/4	10 3/4	10 3/4
11	2,285.03	11	2,224.44	11	1,559.79	11	1,197.23	11	835.04	11	472.43	11	109.91	11	0.14	11	11	11	11
11 1/4	2,277.47	11 1/4	2,216.88	11 1/4	1,552.23	11 1/4	1,189.69	11 1/4	827.49	11 1/4	464.88	11 1/4	102.43	11 1/4	0.89	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	2,269.92	11 1/2	2,209.33	11 1/2	1,544.68	11 1/2	1,182.15	11 1/2	819.93	11 1/2	457.33	11 1/2	94.95	11 1/2	0.64	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	2,262.37	11 3/4	2,201.78	11 3/4	1,537.12	11 3/4	1,174.61	11 3/4	812.38	11 3/4	449.77	11 3/4	87.48	11 3/4	0.39	11 3/4	11 3/4	11 3/4	11 3/4

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CANCELS AND SUPERCEDES

ALL PRIOR TO 09/20/15

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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The J. J. Mac

HSM 3145
Formerly
BARGE "HTCO 3145"

1 STBD

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS																																							
0 FT.				1 FT.				2 FT.				3 FT.				4 FT.				5 FT.				6 FT.				7 FT.				8 FT.				9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT								
0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0									
1		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626		5.0626									
2		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135		5.09135									
3		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389		5.08389									
4		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644		5.07644									
5		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898		5.06898									
6		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153		5.06153									
7		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407		5.05407									
8		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657		5.04657									
9		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926		5.03926									
10		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186		5.03186									
11		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445		5.02445									
12		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746		5.01746									
13		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047		5.01047									
14		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347		5.00347									
15		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648		4.99648									
16		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947		4.98947									
17		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247		4.98247									
18		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547		4.97547									
19		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847		4.96847									
20		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147		4.96147									
21		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447		4.95447									
22		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747		4.94747									
23		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047		4.94047									
24		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347		4.93347									
25		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647		4.92647									
26		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947		4.91947									
27		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247		4.91247									
28		4.90547		4.90547		4.90547		4.90547		4.90547		4.90547		4.90547		4.90547		4.90547		4.90547		4.90547		4.90547		4.90547		4.90547		4									

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.¹
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'-06" OFF CENTERLINE AND 42'-00" FORWARD OF 6" BULKHEAD.

**PRECISION MEASUREMENT
& ANALYSIS, INC.**
P.O. Box 2092
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Paul J. Lane



HSM 3145
Formerly

BARGE "HTCO 3145"

1 STBD
ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,624.03	2,261.28	1,898.53	1,535.78	1,173.62	811.56	449.93	87.50	0	0
1	2,616.47	2,253.72	1,890.97	1,528.22	1,166.12	805.11	442.39	80.73	1/4	1/4
2	2,608.91	2,246.16	1,883.41	1,520.66	1,158.61	797.55	434.85	73.97	1/2	1/2
3	2,601.36	2,238.61	1,875.85	1,513.10	1,151.10	789.99	427.31	67.20	3/4	3/4
4	2,593.80	2,231.05	1,868.30	1,505.55	1,143.60	782.43	419.70	60.43	1	1
5	2,586.24	2,223.49	1,860.74	1,497.99	1,136.09	774.88	412.14	54.92	1 1/4	1 1/4
6	2,578.68	2,215.93	1,853.18	1,490.43	1,128.59	767.32	404.58	49.41	1 1/2	1 1/2
7	2,571.13	2,208.38	1,845.63	1,482.88	1,121.08	759.76	397.03	43.90	1 3/4	1 3/4
8	2,563.57	2,200.82	1,838.07	1,475.32	1,113.58	752.21	389.47	38.39	2	2
9	2,556.01	2,193.26	1,830.51	1,467.76	1,106.07	744.65	381.91	34.14	2 1/4	2 1/4
10	2,548.45	2,185.70	1,822.95	1,460.20	1,098.57	737.09	374.36	29.88	2 1/2	2 1/2
11	2,540.90	2,178.15	1,815.40	1,452.65	1,091.06	729.54	366.80	25.63	2 3/4	2 3/4
12	2,533.34	2,170.59	1,807.84	1,445.09	1,083.55	721.98	359.24	21.39	3	3
13	2,525.78	2,163.03	1,800.28	1,437.53	1,076.05	714.42	351.69	17.14	3 1/4	3 1/4
14	2,518.23	2,155.47	1,792.72	1,429.97	1,068.54	706.86	344.13	12.90	3 1/2	3 1/2
15	2,510.67	2,147.92	1,785.17	1,422.42	1,061.04	699.31	336.57	8.65	3 3/4	3 3/4
16	2,503.11	2,140.36	1,777.61	1,414.86	1,053.53	691.75	329.01	4.40	4	4
17	2,495.55	2,132.80	1,770.05	1,407.30	1,046.03	684.19	321.46	0.15	4 1/4	4 1/4
18	2,488.00	2,125.25	1,762.50	1,399.74	1,038.52	676.64	313.90	0.00	4 1/2	4 1/2
19	2,480.44	2,117.69	1,754.94	1,392.19	1,031.02	669.08	306.34	0.00	4 3/4	4 3/4
20	2,472.88	2,110.13	1,747.38	1,384.63	1,023.51	661.52	298.79	0.00	5	5
21	2,465.32	2,102.57	1,739.82	1,377.07	1,016.01	653.97	291.23	0.00	5 1/4	5 1/4
22	2,457.77	2,095.02	1,732.27	1,369.52	1,008.50	646.41	283.67	0.00	5 1/2	5 1/2
23	2,450.21	2,087.46	1,724.71	1,361.96	1,000.99	638.85	276.12	0.00	5 3/4	5 3/4
24	2,442.65	2,079.90	1,717.15	1,354.40	993.49	631.29	268.56	0.00	6	6
25	2,435.10	2,072.34	1,709.59	1,346.84	985.98	623.74	261.00	0.00	6 1/4	6 1/4
26	2,427.54	2,064.79	1,702.04	1,339.29	978.48	616.18	253.44	0.00	6 1/2	6 1/2
27	2,419.98	2,057.23	1,694.48	1,331.73	970.97	608.62	245.89	0.00	6 3/4	6 3/4
28	2,412.42	2,049.67	1,686.92	1,324.17	963.47	601.07	238.33	0.00	7	7
29	2,404.87	2,042.12	1,679.37	1,316.61	955.96	593.51	230.77	0.00	7 1/4	7 1/4
30	2,397.31	2,034.56	1,671.81	1,309.06	948.45	585.95	223.22	0.00	7 1/2	7 1/2
31	2,389.75	2,027.00	1,664.25	1,301.50	940.95	578.40	215.66	0.00	7 3/4	7 3/4
32	2,382.19	2,019.44	1,656.69	1,293.94	933.44	570.84	208.10	0.00	8	8
33	2,374.64	2,011.89	1,649.14	1,286.39	925.92	563.28	200.53	0.00	8 1/4	8 1/4
34	2,367.08	2,004.33	1,641.58	1,278.84	918.39	555.72	192.95	0.00	8 1/2	8 1/2
35	2,359.52	1,996.77	1,634.02	1,271.29	910.87	548.17	185.38	0.00	8 3/4	8 3/4
36	2,351.96	1,989.21	1,626.46	1,263.73	903.35	540.61	177.87	0.00	9	9
37	2,344.41	1,981.66	1,618.91	1,256.22	895.79	533.05	170.32	0.00	9 1/4	9 1/4
38	2,336.85	1,974.10	1,611.35	1,248.70	888.23	525.50	162.76	0.00	9 1/2	9 1/2
39	2,329.29	1,966.54	1,603.79	1,241.18	880.68	517.94	155.20	0.00	9 3/4	9 3/4
40	2,321.74	1,958.99	1,596.23	1,233.66	873.12	510.38	147.65	0.00	10	10
41	2,314.18	1,951.43	1,588.68	1,226.16	865.56	502.83	140.09	0.00	10 1/4	10 1/4
42	2,306.62	1,943.87	1,581.12	1,218.65	858.00	495.27	132.53	0.00	10 1/2	10 1/2
43	2,299.06	1,936.31	1,573.56	1,211.15	850.45	487.71	124.97	0.00	10 3/4	10 3/4
44	2,291.51	1,928.76	1,566.01	1,203.64	842.89	480.15	117.42	0.00	11	11
45	2,283.95	1,921.20	1,558.45	1,196.14	835.33	472.60	109.94	0.00	11 1/4	11 1/4
46	2,276.39	1,913.64	1,550.89	1,188.63	827.78	465.04	102.46	0.00	11 1/2	11 1/2
47	2,268.83	1,906.08	1,543.33	1,181.13	820.22	457.48	94.98	0.00	11 3/4	11 3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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RECALCULATED: 09/18/2019, SW
REPRINTED: 09/18/2019, SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 09/20/19

PRECISION MEASUREMENT
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The Pearson

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**2 PORT
ULLAGE TABLE
HERMETIC**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 17-02 3/4"										
IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	5.091.63	5.084.20	5.076.77	5.069.33	5.061.90	5.054.47	5.047.04	5.039.61	5.032.23	5.024.85
1	5.084.20	5.076.77	5.069.33	5.061.90	5.054.47	5.047.04	5.039.61	5.032.23	5.024.85	5.017.47
2	5.076.77	5.069.33	5.061.90	5.054.47	5.047.04	5.039.61	5.032.23	5.024.85	5.017.47	5.010.09
3	5.069.33	5.061.90	5.054.47	5.047.04	5.039.61	5.032.23	5.024.85	5.017.47	5.010.09	5.003.12
4	5.061.90	5.054.47	5.047.04	5.039.61	5.032.23	5.024.85	5.017.47	5.010.09	5.003.12	4.996.15
5	5.054.47	5.047.04	5.039.61	5.032.23	5.024.85	5.017.47	5.010.09	5.003.12	4.996.15	4.989.17
6	5.047.04	5.039.61	5.032.23	5.024.85	5.017.47	5.010.09	5.003.12	4.996.15	4.989.17	4.982.20
7	5.039.61	5.032.23	5.024.85	5.017.47	5.010.09	5.003.12	4.996.15	4.989.17	4.982.20	4.975.52
8	5.032.23	5.024.85	5.017.47	5.010.09	5.003.12	4.996.15	4.989.17	4.982.20	4.975.52	4.968.83
9	5.024.85	5.017.47	5.010.09	5.003.12	4.996.15	4.989.17	4.982.20	4.975.52	4.968.83	4.962.15
10	5.017.47	5.010.09	5.003.12	4.996.15	4.989.17	4.982.20	4.975.52	4.968.83	4.962.15	4.955.46
11	5.010.09	5.003.12	4.996.15	4.989.17	4.982.20	4.975.52	4.968.83	4.962.15	4.955.46	4.948.74
12	5.003.12	4.996.15	4.989.17	4.982.20	4.975.52	4.968.83	4.962.15	4.955.46	4.948.74	4.942.02
13	4.996.15	4.989.17	4.982.20	4.975.52	4.968.83	4.962.15	4.955.46	4.948.74	4.942.02	4.935.31
14	4.989.17	4.982.20	4.975.52	4.968.83	4.962.15	4.955.46	4.948.74	4.942.02	4.935.31	4.928.59
15	4.982.20	4.975.52	4.968.83	4.962.15	4.955.46	4.948.74	4.942.02	4.935.31	4.928.59	4.921.84
16	4.975.52	4.968.83	4.962.15	4.955.46	4.948.74	4.942.02	4.935.31	4.928.59	4.921.84	4.915.09
17	4.968.83	4.962.15	4.955.46	4.948.74	4.942.02	4.935.31	4.928.59	4.921.84	4.915.09	4.908.34
18	4.962.15	4.955.46	4.948.74	4.942.02	4.935.31	4.928.59	4.921.84	4.915.09	4.908.34	4.901.59
19	4.955.46	4.948.74	4.942.02	4.935.31	4.928.59	4.921.84	4.915.09	4.908.34	4.901.59	4.894.81
20	4.948.74	4.942.02	4.935.31	4.928.59	4.921.84	4.915.09	4.908.34	4.901.59	4.894.81	4.888.03
21	4.942.02	4.935.31	4.928.59	4.921.84	4.915.09	4.908.34	4.901.59	4.894.81	4.888.03	4.881.25
22	4.935.31	4.928.59	4.921.84	4.915.09	4.908.34	4.901.59	4.894.81	4.888.03	4.881.25	4.874.47
23	4.928.59	4.921.84	4.915.09	4.908.34	4.901.59	4.894.81	4.888.03	4.881.25	4.874.47	4.867.66
24	4.921.84	4.915.09	4.908.34	4.901.59	4.894.81	4.888.03	4.881.25	4.874.47	4.867.66	4.860.85
25	4.915.09	4.908.34	4.901.59	4.894.81	4.888.03	4.881.25	4.874.47	4.867.66	4.860.85	4.854.04
26	4.908.34	4.901.59	4.894.81	4.888.03	4.881.25	4.874.47	4.867.66	4.860.85	4.854.04	4.847.23
27	4.901.59	4.894.81	4.888.03	4.881.25	4.874.47	4.867.66	4.860.85	4.854.04	4.847.23	4.840.39

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 40" OFF CENTER OF GRAVITY.

OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

ANALYSIS, IN

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<http://www.primacorp.net>

True Thomas



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BARGE "HTCO 3145"

2 PORT

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-02 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,609.91	0	2,248.33	0	1,886.75	0	1,525.17	0	1,163.71	0	802.51	0	440.97	0	80.48	0			
1	2,602.38	1	2,240.90	1	1,879.22	1	1,517.64	1	1,156.19	1	794.98	1	433.45	1	73.74	1	1/4		
2	2,594.84	2	2,233.27	2	1,871.69	2	1,510.11	2	1,148.67	2	787.44	2	425.94	2	66.99	2	1/2		
3	2,587.31	3	2,225.73	3	1,864.15	3	1,502.57	3	1,141.15	3	779.91	3	418.35	3	60.24	3	3/4		
4	2,579.78	4	2,218.20	4	1,856.62	4	1,495.04	4	1,133.63	4	772.38	4	410.82	4	54.75	4	1		
5	2,572.25	5	2,210.67	5	1,849.09	5	1,487.51	5	1,126.11	5	764.85	5	403.28	5	49.26	5	1 1/4		
6	2,564.71	6	2,203.13	6	1,841.55	6	1,479.98	6	1,118.59	6	757.31	6	395.75	6	43.77	6	1 1/2		
7	2,557.18	7	2,195.60	7	1,834.02	7	1,472.44	7	1,111.07	7	749.78	7	388.22	7	38.27	7	3/4		
8	2,549.65	8	2,188.07	8	1,826.49	8	1,464.91	8	1,103.55	8	742.25	8	380.69	8	32.80	8	2		
9	2,542.11	9	2,180.53	9	1,818.96	9	1,457.38	9	1,096.03	9	734.72	9	373.15	9	29.84	9	3/4		
10	2,534.58	10	2,173.00	10	1,811.42	10	1,449.84	10	1,088.51	10	727.18	10	365.62	10	25.56	10	1 1/2		
11	2,527.05	11	2,165.47	11	1,803.89	11	1,442.31	11	1,080.98	11	719.65	11	358.09	11	21.33	11	3/4		
12	2,519.52	12	2,157.94	12	1,796.36	12	1,434.78	12	1,073.46	12	712.12	12	350.56	12		12	3		
13	2,511.98	13	2,150.40	13	1,788.82	13	1,427.24	13	1,065.94	13	704.59	13	343.02	13		13	1 1/4		
14	2,504.45	14	2,142.87	14	1,781.29	14	1,419.71	14	1,058.42	14	697.05	14	335.49	14		14	1 1/2		
15	2,496.92	15	2,135.34	15	1,773.76	15	1,412.18	15	1,050.90	15	689.52	15	327.96	15		15	3/4		
16	2,489.38	16	2,127.80	16	1,766.23	16	1,404.65	16	1,043.38	16	681.99	16	320.43	16		16	4		
17	2,481.85	17	2,120.27	17	1,758.69	17	1,397.11	17	1,035.86	17	674.46	17	312.89	17		17	1 1/4		
18	2,474.32	18	2,112.74	18	1,751.16	18	1,389.58	18	1,028.34	18	666.92	18	305.36	18		18	1 1/2		
19	2,466.79	19	2,105.21	19	1,743.63	19	1,382.05	19	1,020.82	19	659.39	19	297.83	19		19	3/4		
20	2,459.25	20	2,097.67	20	1,736.09	20	1,374.51	20	1,013.30	20	651.86	20	290.30	20		20	5		
21	2,451.72	21	2,090.14	21	1,728.56	21	1,366.98	21	1,005.78	21	644.33	21	282.76	21		21	1 1/4		
22	2,444.19	22	2,082.61	22	1,721.03	22	1,359.45	22	998.26	22	636.79	22	275.23	22		22	1 1/2		
23	2,436.65	23	2,075.07	23	1,713.50	23	1,351.92	23	990.74	23	629.26	23	267.70	23		23	3/4		
24	2,429.12	24	2,067.54	24	1,705.96	24	1,344.38	24	983.22	24	621.73	24	260.17	24		24	6		
25	2,421.59	25	2,060.01	25	1,698.43	25	1,336.85	25	975.69	25	614.20	25	252.63	25		25	1 1/4		
26	2,414.05	26	2,052.48	26	1,690.90	26	1,329.32	26	968.17	26	606.66	26	245.10	26		26	1 1/2		
27	2,406.52	27	2,044.94	27	1,683.36	27	1,321.78	27	960.65	27	599.13	27	237.57	27		27	3/4		
28	2,398.99	28	2,037.41	28	1,675.83	28	1,314.25	28	953.13	28	591.60	28	230.04	28		28	7		
29	2,391.46	29	2,029.88	29	1,668.30	29	1,306.72	29	945.61	29	584.07	29	222.50	29		29	1 1/4		
30	2,383.92	30	2,022.34	30	1,660.76	30	1,299.19	30	938.08	30	576.53	30	214.97	30		30	1 1/2		
31	2,376.39	31	2,014.81	31	1,653.23	31	1,291.65	31	930.56	31	569.00	31	207.44	31		31	3/4		
32	2,368.86	32	2,007.28	32	1,645.70	32	1,284.12	32	923.03	32	561.47	32	199.89	32		32	8		
33	2,361.32	33	1,999.75	33	1,638.17	33	1,276.59	33	915.50	33	553.94	33	192.34	33		33	1 1/4		
34	2,353.79	34	1,992.21	34	1,630.63	34	1,269.05	34	907.96	34	546.40	34	184.79	34		34	1 1/2		
35	2,346.26	35	1,984.68	35	1,623.10	35	1,261.52	35	900.43	35	538.87	35	177.31	35		35	3/4		
36	2,338.73	36	1,977.15	36	1,615.57	36	1,253.99	36	892.90	36	531.34	36	169.78	36		36	9		
37	2,331.19	37	1,969.61	37	1,608.03	37	1,246.46	37	885.37	37	523.81	37	162.24	37		37	1 1/4		
38	2,323.66	38	1,962.08	38	1,600.50	38	1,238.93	38	877.83	38	516.27	38	154.71	38		38	1 1/2		
39	2,316.13	39	1,954.55	39	1,592.97	39	1,231.40	39	870.30	39	508.74	39	147.18	39		39	3/4		
40	2,308.59	40	1,947.02	40	1,585.44	40	1,223.88	40	862.77	40	501.21	40	139.64	40		40	10		
41	2,301.06	41	1,939.48	41	1,577.90	41	1,216.36	41	855.24	41	493.68	41	132.11	41		41	1 1/4		
42	2,293.53	42	1,931.95	42	1,570.37	42	1,208.84	42	847.70	42	486.14	42	124.58	42		42	1 1/2		
43	2,286.00	43	1,924.42	43	1,562.84	43	1,201.32	43	840.17	43	478.61	43	117.05	43		43	3/4		
44	2,278.46	44	1,916.88	44	1,555.30	44	1,193.80	44	832.64	44	471.08	44	109.59	44		44	11		
45	2,270.93	45	1,909.35	45	1,547.77	45	1,186.27	45	825.11	45	463.55	45	102.14	45		45	1 1/4		
46	2,263.40	46	1,901.82	46	1,540.24	46	1,178.75	46	817.57	46	456.01	46	94.68	46		46	1 1/2		
47	2,255.86	47	1,894.28	47	1,532.71	47	1,171.23	47	810.04	47	448.48	47	87.23	47		47	3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/02/2014 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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HTC://WWW.DPMACORD.NET

Joe J. Jarama

Formerly

HSM 3145
Formerly
BARGE "HTCO 3145"

2 STBD
ULLAGE TAB
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

[illegible]

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.

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.

ENGINEER, 3001 E. MENWICK, LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

0.1	1/4	2,969.45	3/4	2,608.14
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CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
http://www.ama.com

Richard J. Evans



HSM 3145

Formerly

BARGE "HTCO 3145"

2 STBD

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	2600.62	5	2239.17	10	1877.72	15	1516.27	20	1154.82	25	1159.06	30	809.75	35	448.31	40	87.19	45	0	50	0
1	2593.09	10	2231.54	15	1870.19	20	1508.74	25	1151.87	30	1151.87	35	802.22	40	440.80	45	80.45	50	1/4	55	1/4
2	2585.56	15	2224.11	20	1862.66	25	1501.21	30	1144.89	35	1144.89	40	794.69	45	433.29	50	73.70	55	1/2	60	1/2
3	2578.03	20	2216.58	25	1855.13	30	1493.68	35	1137.50	40	1137.50	45	787.16	50	425.78	55	66.96	60	3/4	65	3/4
4	2570.50	25	2209.05	30	1847.60	35	1486.15	40	1130.31	45	1130.31	50	779.63	55	418.19	60	60.21	65	1	70	1
5	2562.97	30	2201.52	35	1840.07	40	1478.62	45	1123.12	50	1123.12	55	772.10	60	410.66	65	54.72	70	1 1/4	75	1 1/4
6	2555.44	35	2193.99	40	1832.54	45	1471.09	50	1115.94	55	1115.94	60	764.57	65	403.13	70	49.23	75	1 1/2	80	1 1/2
7	2547.91	40	2186.46	45	1825.01	50	1463.56	55	1108.75	60	1108.75	65	757.04	70	395.60	75	43.74	80	3/4	85	3/4
8	2540.38	45	2178.93	50	1817.48	55	1456.03	60	1101.56	65	1101.56	70	749.51	75	388.07	80	38.25	85	2	90	2
9	2532.85	50	2171.40	55	1809.95	60	1448.50	65	1094.38	70	1094.38	75	741.98	80	380.54	85	34.02	90	1 1/4	95	1 1/4
10	2525.32	55	2163.87	60	1802.42	65	1440.97	70	1087.19	75	1087.19	80	734.45	85	373.01	90	29.78	95	1 1/2	100	1 1/2
11	2517.79	60	2156.34	65	1794.89	70	1433.44	75	1080.00	80	1080.00	85	726.92	90	365.48	95	25.54	100	3/4	105	3/4
12	2510.26	65	2148.81	70	1787.36	75	1425.91	80	1072.81	85	1072.81	90	719.39	95	357.95	100	21.32	105	3	110	3
13	2502.73	70	2141.28	75	1779.83	80	1418.38	85	1065.63	90	1065.63	95	711.86	100	350.42	105	17.14	110	1 1/4	115	1 1/4
14	2495.20	75	2133.75	80	1772.30	85	1410.85	90	1058.44	95	1058.44	100	704.33	105	342.89	110	13.12	115	1 1/2	120	1 1/2
15	2487.66	80	2126.22	85	1764.77	90	1403.32	95	1051.25	100	1051.25	105	696.80	110	335.36	115	9.10	120	3/4	125	3/4
16	2480.13	85	2118.68	90	1757.24	95	1395.79	100	1044.07	105	1044.07	110	689.27	115	327.83	120	5.08	125	4	130	4
17	2472.60	90	2111.15	95	1749.71	100	1388.26	105	1036.88	110	1036.88	115	681.74	120	320.30	125	1.06	130	1 1/4	135	1 1/4
18	2465.07	95	2103.62	100	1742.17	105	1380.73	110	1029.69	115	1029.69	120	674.21	125	312.77	130	0.04	135	1 1/2	140	1 1/2
19	2457.54	100	2096.09	105	1734.64	110	1373.20	115	1022.50	120	1022.50	125	666.68	130	305.24	135	0.00	140	3/4	145	3/4
20	2450.01	105	2088.56	110	1727.11	115	1365.66	120	1015.32	125	1015.32	130	659.15	135	297.71	140	0.00	145	5	150	5
21	2442.48	110	2081.03	115	1719.58	120	1358.13	125	1008.13	130	1008.13	135	651.62	140	290.18	145	0.00	150	1 1/4	155	1 1/4
22	2434.95	115	2073.50	120	1712.05	125	1350.60	130	1000.94	135	1000.94	140	644.09	145	282.65	150	0.00	155	1 1/2	160	1 1/2
23	2427.42	120	2065.97	125	1704.52	130	1343.07	135	993.75	140	993.75	145	636.56	150	275.12	155	0.00	160	3/4	165	3/4
24	2419.89	125	2058.44	130	1696.99	135	1335.54	140	986.57	145	986.57	150	629.03	155	267.59	160	0.00	165	6	170	6
25	2412.36	130	2050.91	135	1689.46	140	1328.01	145	979.38	150	979.38	155	621.50	160	260.06	165	0.00	170	1 1/4	175	1 1/4
26	2404.83	135	2043.38	140	1681.93	145	1320.48	150	972.19	155	972.19	160	613.97	165	252.53	170	0.00	175	1 1/2	180	1 1/2
27	2397.30	140	2035.85	145	1674.40	150	1312.95	155	965.01	160	965.01	165	606.44	170	245.01	175	0.00	180	3/4	185	3/4
28	2389.77	145	2028.32	150	1666.87	155	1305.42	160	957.82	165	957.82	170	598.91	175	237.48	180	0.00	185	7	190	7
29	2382.24	150	2020.79	155	1659.34	160	1297.89	165	950.63	170	950.63	175	591.38	180	229.95	185	0.00	190	1 1/4	195	1 1/4
30	2374.71	155	2013.26	160	1651.81	165	1290.36	170	943.44	175	943.44	180	583.85	185	222.42	190	0.00	195	1 1/2	200	1 1/2
31	2367.18	160	2005.73	165	1644.28	170	1282.83	175	936.25	180	936.25	185	576.32	190	214.89	195	0.00	200	3/4	205	3/4
32	2359.65	165	1998.20	170	1636.75	175	1275.30	180	929.06	185	929.06	190	568.79	195	207.36	200	0.00	205	8	210	8
33	2352.12	170	1990.67	175	1629.22	180	1267.81	185	921.82	190	921.82	195	561.26	200	199.81	205	0.00	210	1 1/4	215	1 1/4
34	2344.59	175	1983.14	180	1621.69	185	1260.33	190	914.58	195	914.58	200	553.73	205	192.26	210	0.00	215	1 1/2	220	1 1/2
35	2337.06	180	1975.61	185	1614.16	190	1252.84	195	907.34	200	907.34	205	546.20	210	184.72	215	0.00	220	3/4	225	3/4
36	2329.53	185	1968.08	190	1606.63	195	1245.35	200	900.10	205	900.10	210	538.67	215	177.24	220	0.00	225	9	230	9
37	2322.00	190	1960.55	195	1599.10	200	1238.15	205	892.57	210	892.57	215	531.14	220	169.71	225	0.00	230	1 1/4	235	1 1/4
38	2314.47	195	1953.02	200	1591.57	205	1230.95	210	885.05	215	885.05	220	523.61	225	162.18	230	0.00	235	1 1/2	240	1 1/2
39	2306.94	200	1945.49	205	1584.04	210	1223.76	215	877.52	220	877.52	225	516.08	230	154.65	235	0.00	240	3/4	245	3/4
40	2299.41	205	1937.96	210	1576.51	215	1216.56	220	869.99	225	869.99	230	508.55	235	147.12	240	0.00	245	10	250	10
41	2291.88	210	1930.43	215	1568.98	220	1209.37	225	862.46	230	862.46	235	501.02	240	139.59	245	0.00	250	1 1/4	255	1 1/4
42	2284.35	215	1922.90	220	1561.45	225	1202.18	230	854.93	235	854.93	240	493.49	245	132.06	250	0.00	255	1 1/2	260	1 1/2
43	2276.82	220	1915.37	225	1553.92	230	1195.00	235	847.40	240	847.40	245	485.96	250	124.53	255	0.00	260	3/4	265	3/4
44	2269.29	225	1907.84	230	1546.39	235	1187.81	240	839.87	245	839.87	250	478.43	255	117.00	260	0.00	265	11	270	11
45	2261.76	230	1900.31	235	1538.86	240	1180.62	245	832.34	250	832.34	255	470.90	260	109.55	265	0.00	270	1 1/4	275	1 1/4
46	2254.23	235	1892.78	240	1531.33	245	1173.43	250	824.81	255	824.81	260	463.37	265	102.09	270	0.00	275	1 1/2	280	1 1/2
47	2246.70	240	1885.25	245	1523.80	250	1166.25	255	817.28	260	817.28	265	455.84	270	94.64	275	0.00	280	3/4	285	3/4

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CANCELS AND SUPERCEDES

ALL PRIOR TO 09/20/19

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pma-inc.net

The PMA

HSM 3145
Formerly
BARGE "HTCO 3145"

3 PORT

ULLAGE TABLE HERMETIC

[illegible]

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK

CAPACITY TABLE ONLY APPLIES TO 1111 AGE GAUGES TAKEN WITH "MEDICAL" SENSOR

GAUGE POINT (HERMETIC) LOCATED 40-60" OFF CENTER FROM THE

12-08 OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS INC.

B O Box 2002
 BOSTON, MA 02111

P.O. BOX 2097

rland, Texas 77588

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9



1



HSM 3145

Formerly

BARGE "HTCO 3145"

3 PORT

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-02 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,589.59	2,229.87	1,870.12	1,510.31	1,150.58	791.08	431.33	73.37	0	0
1	2,582.10	2,222.38	1,862.62	1,502.81	1,143.09	783.59	423.85	66.66	1/4	1/4
2	2,574.60	2,214.88	1,855.13	1,495.32	1,135.60	776.09	416.30	59.95	1/2	1/2
3	2,567.11	2,207.39	1,847.63	1,487.82	1,128.12	768.60	408.80	54.48	3/4	3/4
4	2,559.62	2,199.89	1,840.13	1,480.33	1,120.63	761.10	401.31	49.02	1	1
5	2,552.12	2,192.40	1,832.64	1,472.83	1,113.14	753.61	393.81	43.55	1 1/4	1 1/4
6	2,544.63	2,184.91	1,825.14	1,465.33	1,105.66	746.11	386.32	38.09	1 1/2	1 1/2
7	2,537.13	2,177.41	1,817.65	1,457.84	1,098.17	738.61	378.82	33.87	3/4	3/4
8	2,529.64	2,169.92	1,810.15	1,450.34	1,090.68	731.12	371.32	29.65	2	2
9	2,522.15	2,162.42	1,802.65	1,442.85	1,083.20	723.62	363.83	25.43	1 1/4	1 1/4
10	2,514.65	2,154.93	1,795.16	1,435.35	1,075.71	716.13	356.33	21.22	1 1/2	1 1/2
11	2,507.16	2,147.44	1,787.66	1,427.85	1,068.22	708.63	348.84	17.00	3/4	3/4
12	2,499.66	2,139.94	1,780.17	1,420.36	1,060.74	701.14	341.34	12.79	1	1
13	2,492.17	2,132.45	1,772.67	1,412.86	1,053.25	693.64	333.85	8.58	1 1/4	1 1/4
14	2,484.67	2,124.95	1,765.17	1,405.37	1,045.76	686.14	326.35	4.37	1 1/2	1 1/2
15	2,477.18	2,117.46	1,757.68	1,397.87	1,038.27	678.65	318.86	0.16	3/4	3/4
16	2,469.69	2,109.96	1,750.18	1,390.37	1,030.78	671.15	311.36	0	1	1
17	2,462.19	2,102.47	1,742.69	1,382.88	1,023.31	663.66	303.86	0	1 1/4	1 1/4
18	2,454.70	2,094.98	1,735.19	1,375.38	1,015.82	656.16	296.37	0	1 1/2	1 1/2
19	2,447.20	2,087.48	1,727.69	1,367.89	1,008.33	648.67	288.87	0	3/4	3/4
20	2,439.71	2,079.99	1,720.20	1,360.39	1,000.85	641.17	281.38	0	1	1
21	2,432.21	2,072.49	1,712.70	1,352.89	993.36	633.67	273.88	0	1 1/4	1 1/4
22	2,424.72	2,065.00	1,705.21	1,345.40	985.87	626.18	266.39	0	1 1/2	1 1/2
23	2,417.23	2,057.51	1,697.71	1,337.90	978.39	618.69	258.89	0	3/4	3/4
24	2,409.73	2,050.01	1,690.21	1,330.41	970.90	611.19	251.39	0	1	1
25	2,402.24	2,042.52	1,682.72	1,322.91	963.41	603.69	243.90	0	1 1/4	1 1/4
26	2,394.74	2,035.03	1,675.22	1,315.41	955.93	596.20	236.40	0	1 1/2	1 1/2
27	2,387.25	2,027.53	1,667.73	1,307.92	948.44	588.70	228.91	0	3/4	3/4
28	2,379.76	2,020.04	1,660.23	1,300.42	940.95	581.20	221.41	0	1	1
29	2,372.26	2,012.54	1,652.73	1,292.93	933.47	573.71	213.92	0	1 1/4	1 1/4
30	2,364.77	2,005.05	1,645.24	1,285.43	925.98	566.21	206.42	0	1 1/2	1 1/2
31	2,357.27	1,997.55	1,637.74	1,277.93	918.49	558.72	198.91	0	3/4	3/4
32	2,349.78	1,990.06	1,630.25	1,270.44	911.00	551.22	191.40	0	1	1
33	2,342.28	1,982.56	1,622.75	1,262.94	903.51	543.73	183.88	0	1 1/4	1 1/4
34	2,334.79	1,975.06	1,615.25	1,255.45	896.02	536.23	176.44	0	1 1/2	1 1/2
35	2,327.30	1,967.57	1,607.76	1,247.95	888.53	528.73	168.94	0	3/4	3/4
36	2,319.80	1,960.07	1,600.26	1,240.45	881.03	521.24	161.45	0	1	1
37	2,312.31	1,952.57	1,592.77	1,232.96	873.54	513.74	153.95	0	1 1/4	1 1/4
38	2,304.81	1,945.08	1,585.27	1,225.46	866.04	506.25	146.46	0	1 1/2	1 1/2
39	2,297.32	1,937.58	1,577.77	1,217.97	858.55	498.75	138.96	0	3/4	3/4
40	2,289.82	1,930.08	1,570.28	1,210.48	851.05	491.26	131.47	0	1	1
41	2,282.33	1,922.59	1,562.78	1,202.99	843.55	483.76	123.97	0	1 1/4	1 1/4
42	2,274.84	1,915.09	1,555.29	1,195.49	836.06	476.26	116.47	0	1 1/2	1 1/2
43	2,267.34	1,907.59	1,547.79	1,188.00	828.56	468.77	108.98	0	3/4	3/4
44	2,259.85	1,900.10	1,540.29	1,180.51	821.07	461.27	101.49	0	1	1
45	2,252.35	1,892.61	1,532.80	1,173.04	813.57	453.78	94.00	0	1 1/4	1 1/4
46	2,244.86	1,885.11	1,525.30	1,165.55	806.08	446.28	86.50	0	1 1/2	1 1/2
47	2,237.37	1,877.61	1,517.81	1,158.06	798.58	438.80	79.00	0	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

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http://www.pmacorp.net

The Glamour

HSM 3145
Formerly
BARGE "HTCO 3145"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

[illegible]

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 27.

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 IN MIDDLE CENTER OF TANK

0800E : 01N) (PENEWIC) LOCATED 10-06 OFF CENTERLINE AND 55-00' FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY:

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>

True Johnson

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	2,589.40	2,230.35	1,871.27	1,512.13	1,155.90	810.08	453.10	0	0	0
1	2,581.92	2,222.87	1,863.79	1,504.65	1,148.50	804.85	445.62	1/4	1/4	1/4
2	2,574.44	2,215.38	1,856.30	1,497.17	1,141.36	797.37	438.15	1/2	1/2	1/2
3	2,566.96	2,207.91	1,848.82	1,489.70	1,134.21	789.88	430.69	3/4	3/4	3/4
4	2,559.48	2,200.43	1,841.34	1,482.23	1,127.06	782.40	423.22	1	1	1
5	2,552.00	2,192.95	1,833.86	1,474.75	1,119.91	774.91	415.68	1 1/4	1 1/4	1 1/4
6	2,544.52	2,185.47	1,826.38	1,467.33	1,112.77	767.43	408.20	1 1/2	1 1/2	1 1/2
7	2,537.04	2,177.99	1,818.89	1,459.91	1,105.62	759.95	400.71	3/4	3/4	3/4
8	2,529.56	2,170.51	1,811.41	1,452.49	1,098.47	752.46	393.23	2	2	2
9	2,522.08	2,163.03	1,803.93	1,445.07	1,091.33	744.98	385.75	1 1/4	1 1/4	1 1/4
10	2,514.60	2,155.55	1,796.45	1,437.65	1,084.18	737.49	378.26	1 1/2	1 1/2	1 1/2
11	2,507.12	2,148.07	1,788.97	1,430.23	1,077.03	730.01	370.78	3/4	3/4	3/4
12	2,499.64	2,140.59	1,781.48	1,422.81	1,069.89	722.53	363.29	3	3	3
13	2,492.16	2,133.11	1,774.00	1,415.39	1,062.74	715.04	355.81	1 1/4	1 1/4	1 1/4
14	2,484.68	2,125.63	1,766.52	1,407.97	1,055.59	707.56	348.33	1 1/2	1 1/2	1 1/2
15	2,477.20	2,118.15	1,759.04	1,400.55	1,048.44	700.07	340.84	3/4	3/4	3/4
16	2,469.71	2,110.67	1,751.56	1,393.13	1,041.30	692.59	333.36	4	4	4
17	2,462.23	2,103.19	1,744.07	1,385.71	1,034.15	685.11	325.87	1 1/4	1 1/4	1 1/4
18	2,454.75	2,095.70	1,736.59	1,378.29	1,027.00	677.62	318.39	1 1/2	1 1/2	1 1/2
19	2,447.27	2,088.22	1,729.11	1,370.87	1,019.86	670.14	310.91	3/4	3/4	3/4
20	2,439.79	2,080.74	1,721.63	1,363.45	1,012.71	662.65	303.42	5	5	5
21	2,432.31	2,073.26	1,714.15	1,356.03	1,005.56	655.17	295.94	1 1/4	1 1/4	1 1/4
22	2,424.83	2,065.78	1,706.66	1,348.61	998.42	647.69	288.45	1 1/2	1 1/2	1 1/2
23	2,417.35	2,058.30	1,699.18	1,341.19	991.27	640.20	280.97	3/4	3/4	3/4
24	2,409.87	2,050.82	1,691.70	1,333.77	984.12	632.72	273.49	6	6	6
25	2,402.39	2,043.34	1,684.22	1,326.35	976.97	625.23	266.00	1 1/4	1 1/4	1 1/4
26	2,394.91	2,035.86	1,676.74	1,318.93	969.83	617.75	258.52	1 1/2	1 1/2	1 1/2
27	2,387.43	2,028.38	1,669.25	1,311.51	962.68	610.27	251.03	3/4	3/4	3/4
28	2,379.95	2,020.90	1,661.77	1,304.09	955.53	602.78	243.55	7	7	7
29	2,372.47	2,013.43	1,654.29	1,296.67	948.39	595.30	236.07	1 1/4	1 1/4	1 1/4
30	2,364.99	2,005.94	1,646.81	1,289.25	941.24	587.81	228.58	1 1/2	1 1/2	1 1/2
31	2,357.51	1,998.46	1,639.33	1,281.83	934.09	580.33	221.10	3/4	3/4	3/4
32	2,350.03	1,990.98	1,631.84	1,274.41	926.94	572.85	213.61	8	8	8
33	2,342.55	1,983.50	1,624.36	1,266.99	919.80	565.36	206.13	1 1/4	1 1/4	1 1/4
34	2,335.07	1,976.02	1,616.88	1,259.57	912.64	557.88	198.63	1 1/2	1 1/2	1 1/2
35	2,327.59	1,968.53	1,609.40	1,252.15	905.49	550.39	191.13	3/4	3/4	3/4
36	2,320.11	1,961.05	1,601.92	1,244.73	898.34	542.91	183.63	9	9	9
37	2,312.63	1,953.57	1,594.43	1,237.31	891.19	535.43	176.19	1 1/4	1 1/4	1 1/4
38	2,305.15	1,946.09	1,586.95	1,229.91	884.01	527.94	168.71	1 1/2	1 1/2	1 1/2
39	2,297.67	1,938.61	1,579.47	1,222.51	876.84	520.46	161.22	3/4	3/4	3/4
40	2,290.19	1,931.12	1,571.99	1,215.10	869.67	512.97	153.74	10	10	10
41	2,282.71	1,923.64	1,564.51	1,207.70	862.50	505.49	146.25	1 1/4	1 1/4	1 1/4
42	2,275.23	1,916.16	1,557.02	1,200.29	855.32	498.01	138.77	1 1/2	1 1/2	1 1/2
43	2,267.75	1,908.68	1,549.54	1,192.89	848.14	490.52	131.28	3/4	3/4	3/4
44	2,260.27	1,901.20	1,542.06	1,185.48	840.97	483.04	123.79	11	11	11
45	2,252.79	1,893.71	1,534.58	1,178.08	833.79	475.55	116.30	1 1/4	1 1/4	1 1/4
46	2,245.31	1,886.23	1,527.10	1,170.69	826.56	468.07	108.89	1 1/2	1 1/2	1 1/2
47	2,237.83	1,878.75	1,519.61	1,163.29	819.32	460.59	101.49	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2015

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