



BARGE "HSM 3033"

ULLAGE TRIM TABLE 8" GAUGE HATCH

	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	- 00-1/4	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	- 00-3/8	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	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

January 2, 2020

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

<http://www.pmacorp.net>



BARGE "HSM 3033"

ULLAGE TRIM TABLE "MMC" GAUGE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

January 2, 2020

PRECISION MEASUREMENT
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BARGE "HSM 3033"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	79,791	0	64,754	0	49,816	0	34,784	0	19,747	0	5,523	0		0		0		0	
1/4	79,478	1/4	64,441	1/4	49,504	1/4	34,470	1/4	19,433	1/4	5,248				1/4		1/4		1/4
1/2	79,164	1/2	64,129	1/2	49,192	1/2	34,157	1/2	19,120	1/2	4,978	1/2		1/2		1/2		1/2	
3/4	78,851	3/4	63,817	3/4	48,879	3/4	33,844	3/4	18,807	3/4	4,707	3/4		3/4		3/4		3/4	
1	78,538	1	63,505	1	48,567	1	33,530	1	18,493	1	4,436	1		1		1		1	
1/4	78,224	1/4	63,193	1/4	48,254	1/4	33,217	1/4	18,180	1/4	4,165	1/4		1/4		1/4		1/4	
1/2	77,911	1/2	62,882	1/2	47,941	1/2	32,904	1/2	17,868	1/2	3,898	1/2		1/2		1/2		1/2	
3/4	77,598	3/4	62,571	3/4	47,628	3/4	32,591	3/4	17,556	3/4	3,632	3/4		3/4		3/4		3/4	
2	77,285	2	62,259	2	47,314	2	32,277	2	17,243	2	3,365	2		2		2		2	
1/4	76,971	1/4	61,948	1/4	47,001	1/4	31,964	1/4	16,931	1/4	3,098	1/4		1/4		1/4		1/4	
1/2	76,658	1/2	61,637	1/2	46,688	1/2	31,651	1/2	16,622	1/2	2,836	1/2		1/2		1/2		1/2	
3/4	76,345	3/4	61,326	3/4	46,375	3/4	31,338	3/4	16,312	3/4	2,574	3/4		3/4		3/4		3/4	
3	76,031	3	61,015	3	46,061	3	31,024	3	16,003	3	2,312	3		3		3		3	
1/4	75,718	1/4	60,705	1/4	45,748	1/4	30,711	1/4	15,693	1/4	2,050	1/4		1/4		1/4		1/4	
1/2	75,405	1/2	60,394	1/2	45,435	1/2	30,398	1/2	15,388	1/2	1,811	1/2		1/2		1/2		1/2	
3/4	75,092	3/4	60,083	3/4	45,122	3/4	30,084	3/4	15,082	3/4	1,572	3/4		3/4		3/4		3/4	
4	74,778	4	59,772	4	44,808	4	29,771	4	14,777	4	1,333	4		4		4		4	
1/4	74,465	1/4	59,461	1/4	44,495	1/4	29,458	1/4	14,471	1/4	1,094	1/4		1/4		1/4		1/4	
1/2	74,152	1/2	59,150	1/2	44,182	1/2	29,145	1/2	14,169	1/2	917	1/2		1/2		1/2		1/2	
3/4	73,839	3/4	58,839	3/4	43,868	3/4	28,831	3/4	13,868	3/4	740	3/4		3/4		3/4		3/4	
5	73,525	5	58,528	5	43,555	5	28,518	5	13,566	5	563	5		5		5		5	
1/4	73,212	1/4	58,217	1/4	43,242	1/4	28,205	1/4	13,264	1/4	386	1/4		1/4		1/4		1/4	
1/2	72,899	1/2	57,906	1/2	42,929	1/2	27,892	1/2	12,966	1/2		1/2		1/2		1/2		1/2	
3/4	72,585	3/4	57,595	3/4	42,615	3/4	27,578	3/4	12,669	3/4		3/4		3/4		3/4		3/4	
6	72,272	6	57,285	6	42,302	6	27,265	6	12,371	6		6		6		6		6	
1/4	71,959	1/4	56,974	1/4	41,989	1/4	26,952	1/4	12,073	1/4		1/4		1/4		1/4		1/4	
1/2	71,646	1/2	56,663	1/2	41,676	1/2	26,638	1/2	11,779	1/2		1/2		1/2		1/2		1/2	
3/4	71,332	3/4	56,352	3/4	41,362	3/4	26,325	3/4	11,485	3/4		3/4		3/4		3/4		3/4	
7	71,019	7	56,041	7	41,049	7	26,012	7	11,191	7		7		7		7		7	
1/4	70,706	1/4	55,730	1/4	40,736	1/4	25,699	1/4	10,897	1/4		1/4		1/4		1/4		1/4	
1/2	70,392	1/2	55,419	1/2	40,422	1/2	25,385	1/2	10,607	1/2		1/2		1/2		1/2		1/2	
3/4	70,079	3/4	55,108	3/4	40,109	3/4	25,072	3/4	10,317	3/4		3/4		3/4		3/4		3/4	
8	69,766	8	54,797	8	39,796	8	24,759	8	10,026	8		8		8		8		8	
1/4	69,453	1/4	54,486	1/4	39,483	1/4	24,446	1/4	9,736	1/4		1/4		1/4		1/4		1/4	
1/2	69,139	1/2	54,175	1/2	39,169	1/2	24,132	1/2	9,450	1/2		1/2		1/2		1/2		1/2	
3/4	68,826	3/4	53,865	3/4	38,856	3/4	23,819	3/4	9,164	3/4		3/4		3/4		3/4		3/4	
9	68,513	9	53,554	9	38,543	9	23,506	9	8,878	9		9		9		9		9	
1/4	68,199	1/4	53,243	1/4	38,230	1/4	23,192	1/4	8,591	1/4		1/4		1/4		1/4		1/4	
1/2	67,886	1/2	52,932	1/2	37,916	1/2	22,879	1/2	8,309	1/2		1/2		1/2		1/2		1/2	
3/4	67,573	3/4	52,620	3/4	37,603	3/4	22,566	3/4	8,026	3/4		3/4		3/4		3/4		3/4	
10	67,260	10	52,309	10	37,290	10	22,253	10	7,744	10		10		10		10		10	
1/4	66,946	1/4	51,998	1/4	36,976	1/4	21,939	1/4	7,462	1/4		1/4		1/4		1/4		1/4	
1/2	66,633	1/2	51,687	1/2	36,663	1/2	21,626	1/2	7,183	1/2		1/2		1/2		1/2		1/2	
3/4	66,320	3/4	51,375	3/4	36,350	3/4	21,313	3/4	6,904	3/4		3/4		3/4		3/4		3/4	
11	66,006	11	51,063	11	36,037	11	21,000	11	6,626	11		11		11		11		11	
1/4	65,693	1/4	50,752	1/4	35,723	1/4	20,686	1/4	6,347	1/4		1/4		1/4		1/4		1/4	
1/2	65,380	1/2	50,440	1/2	35,410	1/2	20,373	1/2	6,073	1/2		1/2		1/2		1/2		1/2	
3/4	65,067	3/4	50,128	3/4	35,097	3/4	20,060	3/4	5,798	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL
CALCULATED: 01/03/2020 CL
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 3033"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	79,887	0	64,849	0	49,820	0	34,783	0	19,746	0	5,523	0		0		0		0	
1/4	79,573	1/4	64,536	1/4	49,506	1/4	34,470	1/4	19,433	1/4	5,249	1/4		1/4		1/4		1/4	
1/2	79,260	1/2	64,223	1/2	49,193	1/2	34,156	1/2	19,120	1/2	4,978	1/2		1/2		1/2		1/2	
3/4	78,947	3/4	63,910	3/4	48,880	3/4	33,843	3/4	18,806	3/4	4,707	3/4		3/4		3/4		3/4	
1	78,634	1	63,596	1	48,567	1	33,530	1	18,493	1	4,436	1		1		1		1	
1/4	78,320	1/4	63,283	1/4	48,253	1/4	33,217	1/4	18,180	1/4	4,165	1/4		1/4		1/4		1/4	
1/2	78,007	1/2	62,970	1/2	47,940	1/2	32,903	1/2	17,868	1/2	3,898	1/2		1/2		1/2		1/2	
3/4	77,694	3/4	62,657	3/4	47,627	3/4	32,590	3/4	17,555	3/4	3,632	3/4		3/4		3/4		3/4	
2	77,380	2	62,343	2	47,314	2	32,277	2	17,243	2	3,365	2		2		2		2	
1/4	77,067	1/4	62,030	1/4	47,000	1/4	31,964	1/4	16,931	1/4	3,098	1/4		1/4		1/4		1/4	
1/2	76,754	1/2	61,717	1/2	46,687	1/2	31,650	1/2	16,621	1/2	2,836	1/2		1/2		1/2		1/2	
3/4	76,441	3/4	61,404	3/4	46,374	3/4	31,337	3/4	16,312	3/4	2,574	3/4		3/4		3/4		3/4	
3	76,127	3	61,091	3	46,061	3	31,024	3	16,002	3	2,312	3		3		3		3	
1/4	75,814	1/4	60,778	1/4	45,747	1/4	30,711	1/4	15,693	1/4	2,050	1/4		1/4		1/4		1/4	
1/2	75,501	1/2	60,465	1/2	45,434	1/2	30,397	1/2	15,388	1/2	1,811	1/2		1/2		1/2		1/2	
3/4	75,188	3/4	60,152	3/4	45,121	3/4	30,084	3/4	15,082	3/4	1,572	3/4		3/4		3/4		3/4	
4	74,874	4	59,839	4	44,807	4	29,771	4	14,776	4	1,333	4		4		4		4	
1/4	74,561	1/4	59,526	1/4	44,494	1/4	29,457	1/4	14,471	1/4	1,094	1/4		1/4		1/4		1/4	
1/2	74,248	1/2	59,213	1/2	44,181	1/2	29,144	1/2	14,169	1/2	917	1/2		1/2		1/2		1/2	
3/4	73,934	3/4	58,900	3/4	43,868	3/4	28,831	3/4	13,867	3/4	740	3/4		3/4		3/4		3/4	
5	73,621	5	58,586	5	43,554	5	28,518	5	13,566	5	563	5		5		5		5	
1/4	73,308	1/4	58,273	1/4	43,241	1/4	28,204	1/4	13,264	1/4	386	1/4		1/4		1/4		1/4	
1/2	72,995	1/2	57,960	1/2	42,928	1/2	27,891	1/2	12,966	1/2		1/2		1/2		1/2		1/2	
3/4	72,681	3/4	57,647	3/4	42,615	3/4	27,578	3/4	12,668	3/4		3/4		3/4		3/4		3/4	
6	72,368	6	57,334	6	42,301	6	27,265	6	12,371	6		6		6		6		6	
1/4	72,055	1/4	57,021	1/4	41,988	1/4	26,951	1/4	12,073	1/4		1/4		1/4		1/4		1/4	
1/2	71,741	1/2	56,708	1/2	41,675	1/2	26,638	1/2	11,779	1/2		1/2		1/2		1/2		1/2	
3/4	71,428	3/4	56,395	3/4	41,362	3/4	26,325	3/4	11,485	3/4		3/4		3/4		3/4		3/4	
7	71,115	7	56,082	7	41,048	7	26,012	7	11,191	7		7		7		7		7	
1/4	70,802	1/4	55,769	1/4	40,735	1/4	25,698	1/4	10,897	1/4		1/4		1/4		1/4		1/4	
1/2	70,488	1/2	55,456	1/2	40,422	1/2	25,385	1/2	10,607	1/2		1/2		1/2		1/2		1/2	
3/4	70,175	3/4	55,143	3/4	40,108	3/4	25,072	3/4	10,317	3/4		3/4		3/4		3/4		3/4	
8	69,862	8	54,830	8	39,795	8	24,758	8	10,026	8		8		8		8		8	
1/4	69,549	1/4	54,517	1/4	39,482	1/4	24,445	1/4	9,736	1/4		1/4		1/4		1/4		1/4	
1/2	69,235	1/2	54,204	1/2	39,169	1/2	24,132	1/2	9,450	1/2		1/2		1/2		1/2		1/2	
3/4	68,922	3/4	53,891	3/4	38,855	3/4	23,819	3/4	9,164	3/4		3/4		3/4		3/4		3/4	
9	68,609	9	53,578	9	38,542	9	23,505	9	8,877	9		9		9		9		9	
1/4	68,295	1/4	53,265	1/4	38,229	1/4	23,192	1/4	8,591	1/4		1/4		1/4		1/4		1/4	
1/2	67,982	1/2	52,952	1/2	37,916	1/2	22,879	1/2	8,309	1/2		1/2		1/2		1/2		1/2	
3/4	67,669	3/4	52,639	3/4	37,602	3/4	22,566	3/4	8,026	3/4		3/4		3/4		3/4		3/4	
10	67,356	10	52,325	10	37,289	10	22,252	10	7,744	10		10		10		10		10	
1/4	67,042	1/4	52,012	1/4	36,976	1/4	21,939	1/4	7,462	1/4		1/4		1/4		1/4		1/4	
1/2	66,729	1/2	51,699	1/2	36,663	1/2	21,626	1/2	7,183	1/2		1/2		1/2		1/2		1/2	
3/4	66,416	3/4	51,386	3/4	36,349	3/4	21,313	3/4	6,904	3/4		3/4		3/4		3/4		3/4	
11	66,103	11	51,073	11	36,036	11	20,999	11	6,626	11		11		11		11		11	
1/4	65,789	1/4	50,759	1/4	35,723	1/4	20,686	1/4	6,347	1/4		1/4		1/4		1/4		1/4	
1/2	65,476	1/2	50,446	1/2	35,409	1/2	20,373	1/2	6,073	1/2		1/2		1/2		1/2		1/2	
3/4	65,163	3/4	50,133	3/4	35,096	3/4	20,059	3/4	5,798	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CALCULATED: 01/03/2020 CL
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3033"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	81,152	0	66,071	0	51,531	0	37,051	0	21,996	0	6,915	0		0		0		0	
1/4	80,838	1/4	65,762	1/4	51,229	1/4	36,743	1/4	21,682	1/4	6,601	1/4			1/4		1/4		1/4
1/2	80,523	1/2	65,454	1/2	50,927	1/2	36,434	1/2	21,368	1/2	6,287	1/2			1/2		1/2		1/2
3/4	80,209	3/4	65,146	3/4	50,625	3/4	36,126	3/4	21,053	3/4	5,973	3/4			3/4		3/4		3/4
1	79,895	1	64,837	1	50,323	1	35,818	1	20,739	1	5,659	1			1		1		1
1/4	79,581	1/4	64,535	1/4	50,021	1/4	35,504	1/4	20,425	1/4	5,345	1/4			1/4		1/4		1/4
1/2	79,267	1/2	64,233	1/2	49,719	1/2	35,189	1/2	20,111	1/2	5,031	1/2			1/2		1/2		1/2
3/4	78,953	3/4	63,930	3/4	49,418	3/4	34,875	3/4	19,797	3/4	4,717	3/4			3/4		3/4		3/4
2	78,638	2	63,628	2	49,116	2	34,561	2	19,483	2	4,403	2			2		2		2
1/4	78,324	1/4	63,325	1/4	48,814	1/4	34,247	1/4	19,168	1/4	4,090	1/4			1/4		1/4		1/4
1/2	78,010	1/2	63,023	1/2	48,513	1/2	33,933	1/2	18,854	1/2	3,776	1/2			1/2		1/2		1/2
3/4	77,696	3/4	62,720	3/4	48,211	3/4	33,619	3/4	18,540	3/4	3,463	3/4			3/4		3/4		3/4
3	77,382	3	62,418	3	47,910	3	33,304	3	18,226	3	3,150	3			3		3		3
1/4	77,067	1/4	62,116	1/4	47,608	1/4	32,990	1/4	17,912	1/4	2,856	1/4			1/4		1/4		1/4
1/2	76,753	1/2	61,813	1/2	47,307	1/2	32,676	1/2	17,597	1/2	2,563	1/2			1/2		1/2		1/2
3/4	76,439	3/4	61,511	3/4	47,005	3/4	32,362	3/4	17,283	3/4	2,269	3/4			3/4		3/4		3/4
4	76,125	4	61,208	4	46,704	4	32,048	4	16,969	4	1,975	4			4		4		4
1/4	75,811	1/4	60,906	1/4	46,402	1/4	31,733	1/4	16,655	1/4	1,739	1/4			1/4		1/4		1/4
1/2	75,496	1/2	60,604	1/2	46,101	1/2	31,419	1/2	16,341	1/2	1,504	1/2			1/2		1/2		1/2
3/4	75,182	3/4	60,301	3/4	45,799	3/4	31,105	3/4	16,027	3/4	1,268	3/4			3/4		3/4		3/4
5	74,868	5	59,999	5	45,498	5	30,791	5	15,712	5	1,033	5			5		5		5
1/4	74,554	1/4	59,696	1/4	45,196	1/4	30,477	1/4	15,398	1/4		1/4			1/4		1/4		1/4
1/2	74,240	1/2	59,394	1/2	44,895	1/2	30,163	1/2	15,084	1/2		1/2			1/2		1/2		1/2
3/4	73,925	3/4	59,091	3/4	44,593	3/4	29,849	3/4	14,770	3/4		3/4			3/4		3/4		3/4
6	73,611	6	58,789	6	44,292	6	29,534	6	14,456	6		6			6		6		6
1/4	73,297	1/4	58,487	1/4	43,991	1/4	29,220	1/4	14,141	1/4		1/4			1/4		1/4		1/4
1/2	72,983	1/2	58,184	1/2	43,689	1/2	28,906	1/2	13,827	1/2		1/2			1/2		1/2		1/2
3/4	72,669	3/4	57,882	3/4	43,388	3/4	28,593	3/4	13,513	3/4		3/4			3/4		3/4		3/4
7	72,354	7	57,579	7	43,086	7	28,279	7	13,199	7		7			7		7		7
1/4	72,040	1/4	57,277	1/4	42,785	1/4	27,965	1/4	12,885	1/4		1/4			1/4		1/4		1/4
1/2	71,726	1/2	56,975	1/2	42,483	1/2	27,651	1/2	12,571	1/2		1/2			1/2		1/2		1/2
3/4	71,412	3/4	56,672	3/4	42,182	3/4	27,337	3/4	12,256	3/4		3/4			3/4		3/4		3/4
8	71,098	8	56,370	8	41,880	8	27,023	8	11,942	8		8			8		8		8
1/4	70,783	1/4	56,067	1/4	41,579	1/4	26,709	1/4	11,628	1/4		1/4			1/4		1/4		1/4
1/2	70,469	1/2	55,765	1/2	41,277	1/2	26,394	1/2	11,314	1/2		1/2			1/2		1/2		1/2
3/4	70,155	3/4	55,463	3/4	40,976	3/4	26,080	3/4	11,000	3/4		3/4			3/4		3/4		3/4
9	69,841	9	55,160	9	40,674	9	25,766	9	10,685	9		9			9		9		9
1/4	69,527	1/4	54,858	1/4	40,373	1/4	25,452	1/4	10,371	1/4		1/4			1/4		1/4		1/4
1/2	69,213	1/2	54,555	1/2	40,071	1/2	25,138	1/2	10,057	1/2		1/2			1/2		1/2		1/2
3/4	68,898	3/4	54,253	3/4	39,770	3/4	24,824	3/4	9,743	3/4		3/4			3/4		3/4		3/4
10	68,584	10	53,950	10	39,468	10	24,510	10	9,429	10		10			10		10		10
1/4	68,270	1/4	53,648	1/4	39,166	1/4	24,195	1/4	9,115	1/4		1/4			1/4		1/4		1/4
1/2	67,956	1/2	53,346	1/2	38,864	1/2	23,881	1/2	8,800	1/2		1/2			1/2		1/2		1/2
3/4	67,642	3/4	53,043	3/4	38,563	3/4	23,567	3/4	8,486	3/4		3/4			3/4		3/4		3/4
11	67,327	11	52,741	11	38,261	11	23,253	11	8,172	11		11			11		11		11
1/4	67,013	1/4	52,438	1/4	37,958	1/4	22,939	1/4	7,858	1/4		1/4			1/4		1/4		1/4
1/2	66,699	1/2	52,136	1/2	37,656	1/2	22,624	1/2	7,544	1/2		1/2			1/2		1/2		1/2
3/4	66,385	3/4	51,834	3/4	37,353	3/4	22,310	3/4	7,229	3/4		3/4			3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3033"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

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	202,541	0	187,515	0	172,468	0	157,391	0	142,314	0	127,236	0	112,159	0	97,075		
1/4	1/4	1/4	202,228	1/4	187,202	1/4	172,154	1/4	157,077	1/4	141,999	1/4	126,922	1/4	111,845	1/4	96,760		
1/2	1/2	1/2	201,915	1/2	186,889	1/2	171,840	1/2	156,763	1/2	141,685	1/2	126,608	1/2	111,531	1/2	96,446		
3/4	3/4	3/4	201,602	3/4	186,576	3/4	171,526	3/4	156,449	3/4	141,371	3/4	126,294	3/4	111,217	3/4	96,132		
1	1	1	201,289	1	186,263	1	171,212	1	156,134	1	141,057	1	125,980	1	110,902	1	95,818		
1/4	1/4	1/4	200,976	1/4	185,950	1/4	170,898	1/4	155,820	1/4	140,743	1/4	125,666	1/4	110,588	1/4	95,503		
1/2	1/2	1/2	200,663	1/2	185,636	1/2	170,584	1/2	155,506	1/2	140,429	1/2	125,352	1/2	110,274	1/2	95,189		
3/4	3/4	3/4	214,286	3/4	200,350	3/4	185,323	3/4	170,270	3/4	155,192	3/4	140,115	3/4	125,037	3/4	109,960	3/4	94,875
2	2	2	214,106	2	200,037	2	185,010	2	169,955	2	154,878	2	139,801	2	124,723	2	109,645	2	94,561
1/4	1/4	1/4	213,927	1/4	199,724	1/4	184,697	1/4	169,641	1/4	154,564	1/4	139,487	1/4	124,409	1/4	109,331	1/4	94,246
1/2	1/2	1/2	213,748	1/2	199,410	1/2	184,384	1/2	169,327	1/2	154,250	1/2	139,172	1/2	124,095	1/2	109,017	1/2	93,932
3/4	3/4	3/4	213,569	3/4	199,097	3/4	184,071	3/4	169,013	3/4	153,936	3/4	138,858	3/4	123,781	3/4	108,703	3/4	93,618
3	3	3	213,337	3	198,784	3	183,758	3	168,699	3	153,622	3	138,544	3	123,467	3	108,388	3	93,303
1/4	1/4	1/4	213,106	1/4	198,471	1/4	183,445	1/4	168,385	1/4	153,307	1/4	138,230	1/4	123,153	1/4	108,074	1/4	92,989
1/2	1/2	1/2	212,874	1/2	198,158	1/2	183,132	1/2	168,071	1/2	152,993	1/2	137,916	1/2	122,839	1/2	107,760	1/2	92,675
3/4	3/4	3/4	212,643	3/4	197,845	3/4	182,819	3/4	167,757	3/4	152,679	3/4	137,602	3/4	122,525	3/4	107,446	3/4	92,361
4	4	4	212,363	4	197,532	4	182,506	4	167,443	4	152,365	4	137,288	4	122,210	4	107,131	4	92,046
1/4	1/4	1/4	212,083	1/4	197,219	1/4	182,193	1/4	167,128	1/4	152,051	1/4	136,974	1/4	121,896	1/4	106,817	1/4	91,732
1/2	1/2	1/2	211,802	1/2	196,906	1/2	181,880	1/2	166,814	1/2	151,737	1/2	136,660	1/2	121,582	1/2	106,503	1/2	91,418
3/4	3/4	3/4	211,522	3/4	196,593	3/4	181,567	3/4	166,500	3/4	151,423	3/4	136,345	3/4	121,268	3/4	106,189	3/4	91,104
5	5	5	211,216	5	196,280	5	181,254	5	166,186	5	151,109	5	136,031	5	120,954	5	105,874	5	90,789
1/4	1/4	1/4	210,911	1/4	195,967	1/4	180,941	1/4	165,872	1/4	150,795	1/4	135,717	1/4	120,640	1/4	105,560	1/4	90,475
1/2	1/2	1/2	210,605	1/2	195,654	1/2	180,628	1/2	165,558	1/2	150,480	1/2	135,403	1/2	120,326	1/2	105,246	1/2	90,161
3/4	3/4	3/4	210,299	3/4	195,341	3/4	180,315	3/4	165,244	3/4	150,166	3/4	135,089	3/4	120,012	3/4	104,931	3/4	89,847
6	6	6	209,989	6	195,028	6	180,002	6	164,930	6	149,852	6	134,775	6	119,698	6	104,617	6	89,532
1/4	1/4	1/4	209,680	1/4	194,715	1/4	179,689	1/4	164,615	1/4	149,538	1/4	134,461	1/4	119,383	1/4	104,303	1/4	89,218
1/2	1/2	1/2	209,370	1/2	194,402	1/2	179,376	1/2	164,301	1/2	149,224	1/2	134,147	1/2	119,069	1/2	103,989	1/2	88,904
3/4	3/4	3/4	209,060	3/4	194,089	3/4	179,062	3/4	163,987	3/4	148,910	3/4	133,833	3/4	118,755	3/4	103,674	3/4	88,589
7	7	7	208,750	7	193,776	7	178,749	7	163,673	7	148,596	7	133,518	7	118,441	7	103,360	7	88,275
1/4	1/4	1/4	208,440	1/4	193,463	1/4	178,435	1/4	163,359	1/4	148,282	1/4	133,204	1/4	118,127	1/4	103,046	1/4	87,961
1/2	1/2	1/2	208,130	1/2	193,150	1/2	178,122	1/2	163,045	1/2	147,968	1/2	132,890	1/2	117,813	1/2	102,732	1/2	87,647
3/4	3/4	3/4	207,820	3/4	192,837	3/4	177,808	3/4	162,731	3/4	147,653	3/4	132,576	3/4	117,499	3/4	102,417	3/4	87,332
8	8	8	207,510	8	192,523	8	177,494	8	162,417	8	147,339	8	132,262	8	117,185	8	102,103	8	87,018
1/4	1/4	1/4	207,200	1/4	192,210	1/4	177,180	1/4	162,103	1/4	147,025	1/4	131,948	1/4	116,871	1/4	101,789	1/4	86,704
1/2	1/2	1/2	206,890	1/2	191,897	1/2	176,866	1/2	161,788	1/2	146,711	1/2	131,634	1/2	116,556	1/2	101,474	1/2	86,390
3/4	3/4	3/4	206,580	3/4	191,584	3/4	176,552	3/4	161,474	3/4	146,397	3/4	131,320	3/4	116,242	3/4	101,160	3/4	86,075
9	9	9	206,270	9	191,271	9	176,238	9	161,160	9	146,083	9	131,006	9	115,928	9	100,846	9	85,761
1/4	1/4	1/4	205,960	1/4	190,958	1/4	175,924	1/4	160,846	1/4	145,769	1/4	130,691	1/4	115,614	1/4	100,532	1/4	85,447
1/2	1/2	1/2	205,650	1/2	190,645	1/2	175,609	1/2	160,532	1/2	145,455	1/2	130,377	1/2	115,300	1/2	100,217	1/2	85,132
3/4	3/4	3/4	205,340	3/4	190,332	3/4	175,295	3/4	160,218	3/4	145,141	3/4	130,063	3/4	114,986	3/4	99,903	3/4	84,818
10	10	10	205,030	10	190,019	10	174,981	10	159,904	10	144,826	10	129,749	10	114,672	10	99,589	10	84,504
1/4	1/4	1/4	204,720	1/4	189,706	1/4	174,667	1/4	159,590	1/4	144,512	1/4	129,435	1/4	114,358	1/4	99,275	1/4	84,190
1/2	1/2	1/2	204,410	1/2	189,393	1/2	174,353	1/2	159,276	1/2	144,198	1/2	129,121	1/2	114,044	1/2	98,960	1/2	83,875
3/4	3/4	3/4	204,100	3/4	189,080	3/4	174,039	3/4	158,961	3/4	143,884	3/4	128,807	3/4	113,729	3/4	98,646	3/4	83,561
11	11	11	203,788	11	188,767	11	173,725	11	158,647	11	143,570	11	128,493	11	113,415	11	98,332	11	83,247
1/4	1/4	1/4	203,477	1/4	188,454	1/4	173,411	1/4	158,333	1/4	143,256	1/4	128,179	1/4	113,101	1/4	98,018	1/4	82,933
1/2	1/2	1/2	203,165	1/2	188,141	1/2	173,097	1/2	158,019	1/2	142,942	1/2	127,864	1/2	112,787	1/2	97,703	1/2	82,618
3/4	3/4	3/4	202,854	3/4	187,828	3/4	172,782	3/4	157,705	3/4	142,628	3/4	127,550	3/4	112,473	3/4	97,389	3/4	82,304

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 TO THREADS ON "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HSM 3033"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

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	81,990	0	66,905	0	51,820	0	36,770	0	21,688	0	6,603	0		0		0		0	
1/4	81,676	1/4	66,591	1/4	51,506	1/4	36,456	1/4	21,374	1/4	6,289	1/4		1/4		1/4		1/4	
1/2	81,361	1/2	66,276	1/2	51,192	1/2	36,142	1/2	21,059	1/2	5,975	1/2		1/2		1/2		1/2	
3/4	81,047	3/4	65,962	3/4	50,879	3/4	35,828	3/4	20,745	3/4	5,660	3/4		3/4		3/4		3/4	
1	80,733	1	65,648	1	50,565	1	35,513	1	20,431	1	5,346	1		1		1		1	
1/4	80,418	1/4	65,334	1/4	50,251	1/4	35,199	1/4	20,117	1/4	5,032	1/4		1/4		1/4		1/4	
1/2	80,104	1/2	65,019	1/2	49,938	1/2	34,885	1/2	19,802	1/2	4,718	1/2		1/2		1/2		1/2	
3/4	79,790	3/4	64,705	3/4	49,624	3/4	34,571	3/4	19,488	3/4	4,404	3/4		3/4		3/4		3/4	
2	79,476	2	64,391	2	49,311	2	34,256	2	19,174	2	4,091	2		2		2		2	
1/4	79,161	1/4	64,076	1/4	48,997	1/4	33,942	1/4	18,859	1/4	3,778	1/4		1/4		1/4		1/4	
1/2	78,847	1/2	63,762	1/2	48,684	1/2	33,628	1/2	18,545	1/2	3,464	1/2		1/2		1/2		1/2	
3/4	78,533	3/4	63,448	3/4	48,370	3/4	33,313	3/4	18,231	3/4	3,151	3/4		3/4		3/4		3/4	
3	78,219	3	63,134	3	48,057	3	32,999	3	17,917	3	2,857	3		3		3		3	
1/4	77,904	1/4	62,819	1/4	47,744	1/4	32,685	1/4	17,602	1/4	2,563	1/4		1/4		1/4		1/4	
1/2	77,590	1/2	62,505	1/2	47,430	1/2	32,371	1/2	17,288	1/2	2,270	1/2		1/2		1/2		1/2	
3/4	77,276	3/4	62,191	3/4	47,117	3/4	32,056	3/4	16,974	3/4	1,976	3/4		3/4		3/4		3/4	
4	76,961	4	61,877	4	46,804	4	31,742	4	16,660	4	1,740	4		4		4		4	
1/4	76,647	1/4	61,562	1/4	46,490	1/4	31,428	1/4	16,345	1/4	1,504	1/4		1/4		1/4		1/4	
1/2	76,333	1/2	61,248	1/2	46,177	1/2	31,114	1/2	16,031	1/2	1,269	1/2		1/2		1/2		1/2	
3/4	76,019	3/4	60,934	3/4	45,864	3/4	30,799	3/4	15,717	3/4	1,033	3/4		3/4		3/4		3/4	
5	75,704	5	60,619	5	45,550	5	30,485	5	15,402	5		5		5		5		5	
1/4	75,390	1/4	60,305	1/4	45,237	1/4	30,171	1/4	15,088	1/4		1/4		1/4		1/4		1/4	
1/2	75,076	1/2	59,991	1/2	44,924	1/2	29,857	1/2	14,774	1/2		1/2		1/2		1/2		1/2	
3/4	74,762	3/4	59,677	3/4	44,610	3/4	29,543	3/4	14,460	3/4		3/4		3/4		3/4		3/4	
6	74,447	6	59,362	6	44,297	6	29,228	6	14,145	6		6		6		6		6	
1/4	74,133	1/4	59,048	1/4	43,984	1/4	28,914	1/4	13,831	1/4		1/4		1/4		1/4		1/4	
1/2	73,819	1/2	58,734	1/2	43,670	1/2	28,600	1/2	13,517	1/2		1/2		1/2		1/2		1/2	
3/4	73,505	3/4	58,420	3/4	43,357	3/4	28,286	3/4	13,203	3/4		3/4		3/4		3/4		3/4	
7	73,190	7	58,105	7	43,044	7	27,972	7	12,888	7		7		7		7		7	
1/4	72,876	1/4	57,791	1/4	42,730	1/4	27,658	1/4	12,574	1/4		1/4		1/4		1/4		1/4	
1/2	72,562	1/2	57,477	1/2	42,417	1/2	27,344	1/2	12,260	1/2		1/2		1/2		1/2		1/2	
3/4	72,247	3/4	57,163	3/4	42,104	3/4	27,030	3/4	11,946	3/4		3/4		3/4		3/4		3/4	
8	71,933	8	56,848	8	41,790	8	26,716	8	11,631	8		8		8		8		8	
1/4	71,619	1/4	56,534	1/4	41,477	1/4	26,402	1/4	11,317	1/4		1/4		1/4		1/4		1/4	
1/2	71,305	1/2	56,220	1/2	41,164	1/2	26,088	1/2	11,003	1/2		1/2		1/2		1/2		1/2	
3/4	70,990	3/4	55,905	3/4	40,850	3/4	25,773	3/4	10,688	3/4		3/4		3/4		3/4		3/4	
9	70,676	9	55,591	9	40,537	9	25,459	9	10,374	9		9		9		9		9	
1/4	70,362	1/4	55,277	1/4	40,224	1/4	25,145	1/4	10,060	1/4		1/4		1/4		1/4		1/4	
1/2	70,048	1/2	54,963	1/2	39,910	1/2	24,831	1/2	9,746	1/2		1/2		1/2		1/2		1/2	
3/4	69,733	3/4	54,648	3/4	39,597	3/4	24,516	3/4	9,431	3/4		3/4		3/4		3/4		3/4	
10	69,419	10	54,334	10	39,283	10	24,202	10	9,117	10		10		10		10		10	
1/4	69,105	1/4	54,020	1/4	38,969	1/4	23,888	1/4	8,803	1/4		1/4		1/4		1/4		1/4	
1/2	68,790	1/2	53,706	1/2	38,656	1/2	23,573	1/2	8,489	1/2		1/2		1/2		1/2		1/2	
3/4	68,476	3/4	53,391	3/4	38,342	3/4	23,259	3/4	8,174	3/4		3/4		3/4		3/4		3/4	
11	68,162	11	53,077	11	38,028	11	22,945	11	7,860	11		11		11		11		11	
1/4	67,848	1/4	52,763	1/4	37,713	1/4	22,631	1/4	7,546	1/4		1/4		1/4		1/4		1/4	
1/2	67,533	1/2	52,448	1/2	37,399	1/2	22,316	1/2	7,232	1/2		1/2		1/2		1/2		1/2	
3/4	67,219	3/4	52,134	3/4	37,085	3/4	22,002	3/4	6,917	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL
CALCULATED: 01/03/2020 CL
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3033"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	0	0	184,028	0	173,699	0	163,356	0	152,991	0	140,928	0	125,967	0	111,006	0	96,031
1/4	1/4	1/4	1/4	1/4	183,813	1/4	173,484	1/4	163,140	1/4	152,775	1/4	140,616	1/4	125,655	1/4	110,694	1/4	95,719
1/2	1/2	1/2	1/2	1/2	183,597	1/2	173,268	1/2	162,924	1/2	152,559	1/2	140,305	1/2	125,344	1/2	110,382	1/2	95,407
3/4	3/4	3/4	3/4	3/4	183,382	3/4	173,053	3/4	162,708	3/4	152,343	3/4	139,993	3/4	125,032	3/4	110,071	3/4	95,096
1	1	1	1	1	183,167	1	172,838	1	162,492	1	152,127	1	139,681	1	124,720	1	109,759	1	94,784
1/4	1/4	1/4	1/4	1/4	182,952	1/4	172,623	1/4	162,277	1/4	151,911	1/4	139,370	1/4	124,409	1/4	109,447	1/4	94,472
1/2	1/2	1/2	1/2	1/2	182,737	1/2	172,408	1/2	162,061	1/2	151,695	1/2	139,058	1/2	124,097	1/2	109,136	1/2	94,160
3/4	3/4	3/4	3/4	3/4	182,521	3/4	172,193	3/4	161,845	3/4	151,479	3/4	138,746	3/4	123,785	3/4	108,824	3/4	93,848
2	2	2	2	2	182,306	2	171,977	2	161,629	2	151,263	2	138,435	2	123,473	2	108,512	2	93,536
1/4	1/4	1/4	1/4	1/4	182,091	1/4	171,762	1/4	161,413	1/4	151,047	1/4	138,123	1/4	123,162	1/4	108,200	1/4	93,224
1/2	1/2	1/2	1/2	1/2	181,876	1/2	171,547	1/2	161,197	1/2	150,831	1/2	137,811	1/2	122,850	1/2	107,889	1/2	92,913
3/4	3/4	3/4	3/4	3/4	181,661	3/4	171,332	3/4	160,981	3/4	150,615	3/4	137,500	3/4	122,538	3/4	107,577	3/4	92,601
3	3	3	3	3	181,446	3	171,117	3	160,765	3	150,400	3	137,188	3	122,227	3	107,265	3	92,289
1/4	1/4	1/4	1/4	1/4	181,230	1/4	170,901	1/4	160,549	1/4	150,184	1/4	136,876	1/4	121,915	1/4	106,953	1/4	91,977
1/2	1/2	1/2	1/2	1/2	181,015	1/2	170,686	1/2	160,333	1/2	149,968	1/2	136,565	1/2	121,603	1/2	106,641	1/2	91,665
3/4	3/4	3/4	3/4	3/4	180,800	3/4	170,471	3/4	160,117	3/4	149,752	3/4	136,253	3/4	121,292	3/4	106,329	3/4	91,353
4	4	4	4	4	180,585	4	170,256	4	159,901	4	149,536	4	135,941	4	120,980	4	106,017	4	91,042
1/4	1/4	1/4	1/4	1/4	180,370	1/4	170,041	1/4	159,685	1/4	149,316	1/4	135,629	1/4	120,668	1/4	105,705	1/4	90,730
1/2	1/2	1/2	1/2	1/2	180,154	1/2	169,826	1/2	159,469	1/2	149,097	1/2	135,318	1/2	120,357	1/2	105,393	1/2	90,418
3/4	3/4	3/4	3/4	3/4	179,939	3/4	169,610	3/4	159,253	3/4	148,877	3/4	135,006	3/4	120,045	3/4	105,081	3/4	90,106
5	5	5	5	5	179,724	5	169,395	5	159,037	5	148,658	5	134,694	5	119,733	5	104,769	5	89,794
1/4	1/4	1/4	1/4	1/4	179,509	1/4	169,180	1/4	158,821	1/4	148,427	1/4	134,383	1/4	119,422	1/4	104,457	1/4	89,482
1/2	1/2	1/2	1/2	1/2	179,294	1/2	168,965	1/2	158,605	1/2	148,196	1/2	134,071	1/2	119,110	1/2	104,144	1/2	89,170
3/4	3/4	3/4	3/4	3/4	179,079	3/4	168,750	3/4	158,390	3/4	147,965	3/4	133,759	3/4	118,798	3/4	103,832	3/4	88,859
6	6	6	6	6	178,863	6	168,534	6	158,174	6	147,734	6	133,448	6	118,486	6	103,520	6	88,547
1/4	1/4	1/4	1/4	1/4	178,648	1/4	168,319	1/4	157,958	1/4	147,487	1/4	133,136	1/4	118,175	1/4	103,208	1/4	88,235
1/2	1/2	1/2	1/2	1/2	178,433	1/2	168,104	1/2	157,742	1/2	147,239	1/2	132,824	1/2	117,863	1/2	102,896	1/2	87,923
3/4	3/4	3/4	3/4	3/4	178,218	3/4	167,889	3/4	157,526	3/4	146,992	3/4	132,513	3/4	117,551	3/4	102,584	3/4	87,611
7	7	7	7	7	178,003	7	167,674	7	157,310	7	146,745	7	132,201	7	117,240	7	102,272	7	87,299
1/4	1/4	1/4	1/4	1/4	177,787	1/4	167,458	1/4	157,094	1/4	146,482	1/4	131,889	1/4	116,928	1/4	101,960	1/4	86,986
1/2	1/2	1/2	1/2	1/2	177,572	1/2	167,243	1/2	156,878	1/2	146,219	1/2	131,577	1/2	116,616	1/2	101,648	1/2	86,674
3/4	3/4	3/4	3/4	3/4	177,357	3/4	167,027	3/4	156,662	3/4	145,957	3/4	131,266	3/4	116,305	3/4	101,335	3/4	86,362
8	8	8	8	8	177,142	8	166,811	8	156,446	8	145,694	8	130,954	8	115,993	8	101,023	8	86,050
1/4	1/4	1/4	1/4	1/4	176,927	1/4	166,595	1/4	156,230	1/4	145,415	1/4	130,642	1/4	115,681	1/4	100,711	1/4	85,738
1/2	1/2	1/2	1/2	1/2	176,711	1/2	166,380	1/2	156,014	1/2	145,137	1/2	130,331	1/2	115,370	1/2	100,399	1/2	85,426
3/4	3/4	3/4	3/4	3/4	176,496	3/4	166,164	3/4	155,798	3/4	144,858	3/4	130,019	3/4	115,058	3/4	100,087	3/4	85,113
9	9	9	9	9	176,281	9	165,948	9	155,582	9	144,580	9	129,707	9	114,746	9	99,775	9	84,801
1/4	1/4	1/4	1/4	1/4	176,066	1/4	165,732	1/4	155,366	1/4	144,285	1/4	129,396	1/4	114,434	1/4	99,463	1/4	84,489
1/2	1/2	1/2	1/2	1/2	175,851	1/2	165,516	1/2	155,150	1/2	143,991	1/2	129,084	1/2	114,123	1/2	99,151	1/2	84,177
3/4	3/4	3/4	3/4	3/4	175,636	3/4	165,300	3/4	154,934	3/4	143,696	3/4	128,772	3/4	113,811	3/4	98,839	3/4	83,865
10	10	10	10	10	175,420	10	165,084	10	154,718	10	143,401	10	128,461	10	113,499	10	98,527	10	83,553
1/4	1/4	1/4	1/4	1/4	175,205	1/4	164,868	1/4	154,502	1/4	143,094	1/4	128,149	1/4	113,188	1/4	98,215	1/4	83,240
1/2	1/2	1/2	1/2	1/2	174,990	1/2	164,652	1/2	154,287	1/2	142,787	1/2	127,837	1/2	112,876	1/2	97,903	1/2	82,928
3/4	3/4	3/4	3/4	3/4	174,775	3/4	164,436	3/4	154,071	3/4	142,480	3/4	127,525	3/4	112,564	3/4	97,591	3/4	82,616
11	11	11	11	11	174,560	11	164,220	11	153,855	11	142,173	11	127,214	11	112,253	11	97,279	11	82,304
1/4	1/4	1/4	1/4	1/4	174,344	1/4	164,004	1/4	153,639	1/4	141,862	1/4	126,902	1/4	111,941	1/4	96,967	1/4	81,992
1/2	1/2	1/2	1/2	1/2	174,129	1/2	163,788	1/2	153,423	1/2	141,551	1/2	126,590	1/2	111,629	1/2	96,655	1/2	81,680
3/4	3/4	3/4	3/4	3/4	173,914	3/4	163,572	3/4	153,207	3/4	141,239	3/4	126,279	3/4	111,318	3/4	96,343	3/4	81,367

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 TO THREADS ON "MMC" VALVE OR 8" HATCH

GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3033"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	81,055	0	66,146	0	51,414	0	36,841	0	21,874	0	6,882	0		0		0		0	
1/4	80,743	1/4	65,835	1/4	51,112	1/4	36,533	1/4	21,562	1/4	6,569	1/4		1/4		1/4		1/4	
1/2	80,431	1/2	65,525	1/2	50,809	1/2	36,224	1/2	21,250	1/2	6,257	1/2		1/2		1/2		1/2	
3/4	80,119	3/4	65,215	3/4	50,507	3/4	35,916	3/4	20,938	3/4	5,944	3/4		3/4		3/4		3/4	
1	79,805	1	64,905	1	50,205	1	35,608	1	20,625	1	5,632	1		1		1		1	
1/4	79,494	1/4	64,595	1/4	49,902	1/4	35,297	1/4	20,313	1/4	5,320	1/4		1/4		1/4		1/4	
1/2	79,182	1/2	64,284	1/2	49,600	1/2	34,985	1/2	20,001	1/2	5,007	1/2		1/2		1/2		1/2	
3/4	78,870	3/4	63,974	3/4	49,298	3/4	34,673	3/4	19,689	3/4	4,695	3/4		3/4		3/4		3/4	
2	78,558	2	63,664	2	48,995	2	34,361	2	19,376	2	4,382	2		2		2		2	
1/4	78,247	1/4	63,353	1/4	48,693	1/4	34,049	1/4	19,064	1/4	4,071	1/4		1/4		1/4		1/4	
1/2	77,935	1/2	63,042	1/2	48,390	1/2	33,737	1/2	18,752	1/2	3,759	1/2		1/2		1/2		1/2	
3/4	77,624	3/4	62,731	3/4	48,088	3/4	33,425	3/4	18,440	3/4	3,447	3/4		3/4		3/4		3/4	
3	77,313	3	62,420	3	47,786	3	33,113	3	18,127	3	3,135	3		3		3		3	
1/4	77,003	1/4	62,108	1/4	47,484	1/4	32,800	1/4	17,815	1/4	2,843	1/4		1/4		1/4		1/4	
1/2	76,693	1/2	61,796	1/2	47,182	1/2	32,488	1/2	17,503	1/2	2,551	1/2		1/2		1/2		1/2	
3/4	76,382	3/4	61,484	3/4	46,880	3/4	32,176	3/4	17,191	3/4	2,258	3/4		3/4		3/4		3/4	
4	76,072	4	61,172	4	46,578	4	31,864	4	16,878	4	1,966	4		4		4		4	
1/4	75,762	1/4	60,861	1/4	46,276	1/4	31,551	1/4	16,566	1/4	1,731	1/4		1/4		1/4		1/4	
1/2	75,452	1/2	60,549	1/2	45,975	1/2	31,239	1/2	16,254	1/2	1,497	1/2		1/2		1/2		1/2	
3/4	75,142	3/4	60,237	3/4	45,673	3/4	30,927	3/4	15,942	3/4	1,262	3/4		3/4		3/4		3/4	
5	74,831	5	59,925	5	45,371	5	30,615	5	15,630	5	1,028	5		5		5		5	
1/4	74,521	1/4	59,616	1/4	45,068	1/4	30,303	1/4	15,317	1/4		1/4		1/4		1/4		1/4	
1/2	74,211	1/2	59,308	1/2	44,765	1/2	29,990	1/2	15,005	1/2		1/2		1/2		1/2		1/2	
3/4	73,901	3/4	58,999	3/4	44,462	3/4	29,678	3/4	14,693	3/4		3/4		3/4		3/4		3/4	
6	73,591	6	58,690	6	44,158	6	29,366	6	14,381	6		6		6		6		6	
1/4	73,280	1/4	58,385	1/4	43,853	1/4	29,054	1/4	14,068	1/4		1/4		1/4		1/4		1/4	
1/2	72,970	1/2	58,079	1/2	43,549	1/2	28,742	1/2	13,756	1/2		1/2		1/2		1/2		1/2	
3/4	72,660	3/4	57,773	3/4	43,244	3/4	28,430	3/4	13,444	3/4		3/4		3/4		3/4		3/4	
7	72,350	7	57,468	7	42,939	7	28,118	7	13,132	7		7		7		7		7	
1/4	72,040	1/4	57,164	1/4	42,634	1/4	27,806	1/4	12,819	1/4		1/4		1/4		1/4		1/4	
1/2	71,729	1/2	56,860	1/2	42,329	1/2	27,494	1/2	12,507	1/2		1/2		1/2		1/2		1/2	
3/4	71,419	3/4	56,556	3/4	42,024	3/4	27,182	3/4	12,195	3/4		3/4		3/4		3/4		3/4	
8	71,109	8	56,252	8	41,719	8	26,870	8	11,883	8		8		8		8		8	
1/4	70,799	1/4	55,950	1/4	41,414	1/4	26,558	1/4	11,570	1/4		1/4		1/4		1/4		1/4	
1/2	70,489	1/2	55,647	1/2	41,109	1/2	26,245	1/2	11,258	1/2		1/2		1/2		1/2		1/2	
3/4	70,178	3/4	55,345	3/4	40,804	3/4	25,933	3/4	10,945	3/4		3/4		3/4		3/4		3/4	
9	69,868	9	55,043	9	40,499	9	25,621	9	10,633	9		9		9		9		9	
1/4	69,558	1/4	54,740	1/4	40,195	1/4	25,309	1/4	10,320	1/4		1/4		1/4		1/4		1/4	
1/2	69,248	1/2	54,438	1/2	39,890	1/2	24,997	1/2	10,007	1/2		1/2		1/2		1/2		1/2	
3/4	68,938	3/4	54,135	3/4	39,585	3/4	24,684	3/4	9,695	3/4		3/4		3/4		3/4		3/4	
10	68,627	10	53,833	10	39,280	10	24,372	10	9,382	10		10		10		10		10	
1/4	68,317	1/4	53,531	1/4	38,975	1/4	24,060	1/4	9,069	1/4		1/4		1/4		1/4		1/4	
1/2	68,007	1/2	53,228	1/2	38,670	1/2	23,748	1/2	8,757	1/2		1/2		1/2		1/2		1/2	
3/4	67,697	3/4	52,926	3/4	38,365	3/4	23,435	3/4	8,444	3/4		3/4		3/4		3/4		3/4	
11	67,386	11	52,624	11	38,060	11	23,123	11	8,131	11		11		11		11		11	
1/4	67,076	1/4	52,321	1/4	37,755	1/4	22,811	1/4	7,819	1/4		1/4		1/4		1/4		1/4	
1/2	66,766	1/2	52,019	1/2	37,450	1/2	22,499	1/2	7,507	1/2		1/2		1/2		1/2		1/2	
3/4	66,456	3/4	51,716	3/4	37,146	3/4	22,186	3/4	7,194	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL
CALCULATED: 01/03/2020 CL
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3033"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	184,970	0	174,646	0	164,308	0	153,948	0	141,878	0	126,891	0	111,904	0	96,903		
1/4	1/4	1/4	184,755	1/4	174,431	1/4	164,092	1/4	153,732	1/4	141,565	1/4	126,579	1/4	111,592	1/4	96,590		
1/2	1/2	1/2	184,539	1/2	174,216	1/2	163,876	1/2	153,516	1/2	141,253	1/2	126,267	1/2	111,280	1/2	96,277		
3/4	3/4	3/4	184,324	3/4	174,000	3/4	163,661	3/4	153,300	3/4	140,941	3/4	125,954	3/4	110,968	3/4	95,965		
1	1	1	184,109	1	173,785	1	163,445	1	153,084	1	140,629	1	125,642	1	110,656	1	95,652		
1/4	1/4	1/4	183,894	1/4	173,570	1/4	163,229	1/4	152,869	1/4	140,317	1/4	125,330	1/4	110,343	1/4	95,339		
1/2	1/2	1/2	183,679	1/2	173,355	1/2	163,013	1/2	152,653	1/2	140,005	1/2	125,018	1/2	110,031	1/2	95,027		
3/4	3/4	3/4	183,464	3/4	173,140	3/4	162,797	3/4	152,437	3/4	139,692	3/4	124,706	3/4	109,719	3/4	94,714		
2	2	2	192,881	2	183,249	2	172,925	2	162,581	2	152,221	2	139,380	2	124,393	2	109,406	2	94,402
1/4	1/4	1/4	192,758	1/4	183,034	1/4	172,710	1/4	162,366	1/4	152,005	1/4	139,068	1/4	124,081	1/4	109,094	1/4	94,089
1/2	1/2	1/2	192,634	1/2	182,819	1/2	172,495	1/2	162,150	1/2	151,789	1/2	138,756	1/2	123,769	1/2	108,782	1/2	93,776
3/4	3/4	3/4	192,511	3/4	182,604	3/4	172,280	3/4	161,934	3/4	151,574	3/4	138,443	3/4	123,457	3/4	108,469	3/4	93,464
3	3	3	192,387	3	182,389	3	172,065	3	161,718	3	151,358	3	138,131	3	123,144	3	108,157	3	93,151
1/4	1/4	1/4	192,228	1/4	182,174	1/4	171,850	1/4	161,502	1/4	151,142	1/4	137,819	1/4	122,832	1/4	107,845	1/4	92,838
1/2	1/2	1/2	192,068	1/2	181,958	1/2	171,635	1/2	161,286	1/2	150,926	1/2	137,507	1/2	122,520	1/2	107,532	1/2	92,526
3/4	3/4	3/4	191,909	3/4	181,743	3/4	171,420	3/4	161,071	3/4	150,710	3/4	137,194	3/4	122,208	3/4	107,220	3/4	92,213
4	4	4	191,749	4	181,528	4	171,204	4	160,855	4	150,494	4	136,882	4	121,896	4	106,907	4	91,900
1/4	1/4	1/4	191,556	1/4	181,313	1/4	170,989	1/4	160,639	1/4	150,275	1/4	136,570	1/4	121,583	1/4	106,594	1/4	91,588
1/2	1/2	1/2	191,363	1/2	181,098	1/2	170,774	1/2	160,423	1/2	150,056	1/2	136,258	1/2	121,271	1/2	106,282	1/2	91,275
3/4	3/4	3/4	191,170	3/4	180,883	3/4	170,559	3/4	160,207	3/4	149,836	3/4	135,946	3/4	120,959	3/4	105,969	3/4	90,962
5	5	5	190,977	5	180,668	5	170,344	5	159,991	5	149,617	5	135,633	5	120,647	5	105,657	5	90,650
1/4	1/4	1/4	190,766	1/4	180,453	1/4	170,129	1/4	159,775	1/4	149,386	1/4	135,321	1/4	120,334	1/4	105,344	1/4	90,337
1/2	1/2	1/2	190,554	1/2	180,238	1/2	169,914	1/2	159,560	1/2	149,155	1/2	135,009	1/2	120,022	1/2	105,031	1/2	90,025
3/4	3/4	3/4	190,343	3/4	180,023	3/4	169,699	3/4	159,344	3/4	148,924	3/4	134,697	3/4	119,710	3/4	104,719	3/4	89,712
6	6	6	190,131	6	179,808	6	169,484	6	159,128	6	148,693	6	134,384	6	119,398	6	104,406	6	89,399
1/4	1/4	1/4	189,917	1/4	179,593	1/4	169,269	1/4	158,912	1/4	148,446	1/4	134,072	1/4	119,086	1/4	104,093	1/4	89,087
1/2	1/2	1/2	189,702	1/2	179,378	1/2	169,054	1/2	158,696	1/2	148,199	1/2	133,760	1/2	118,773	1/2	103,781	1/2	88,774
3/4	3/4	3/4	189,487	3/4	179,162	3/4	168,839	3/4	158,480	3/4	147,951	3/4	133,448	3/4	118,461	3/4	103,468	3/4	88,461
7	7	7	189,272	7	178,947	7	168,623	7	158,265	7	147,704	7	133,136	7	118,149	7	103,155	7	88,149
1/4	1/4	1/4	189,057	1/4	178,732	1/4	168,408	1/4	158,049	1/4	147,441	1/4	132,823	1/4	117,837	1/4	102,843	1/4	87,836
1/2	1/2	1/2	188,842	1/2	178,517	1/2	168,193	1/2	157,833	1/2	147,178	1/2	132,511	1/2	117,524	1/2	102,530	1/2	87,523
3/4	3/4	3/4	188,627	3/4	178,302	3/4	167,977	3/4	157,617	3/4	146,915	3/4	132,199	3/4	117,212	3/4	102,218	3/4	87,211
8	8	8	188,412	8	178,087	8	167,762	8	157,401	8	146,652	8	131,887	8	116,900	8	101,905	8	86,898
1/4	1/4	1/4	188,196	1/4	177,872	1/4	167,546	1/4	157,185	1/4	146,373	1/4	131,574	1/4	116,588	1/4	101,592	1/4	86,586
1/2	1/2	1/2	187,981	1/2	177,657	1/2	167,330	1/2	156,970	1/2	146,094	1/2	131,262	1/2	116,276	1/2	101,280	1/2	86,273
3/4	3/4	3/4	187,766	3/4	177,442	3/4	167,114	3/4	156,754	3/4	145,815	3/4	130,950	3/4	115,963	3/4	100,967	3/4	85,960
9	9	9	187,551	9	177,227	9	166,898	9	156,538	9	145,536	9	130,638	9	115,651	9	100,654	9	85,648
1/4	1/4	1/4	187,336	1/4	177,012	1/4	166,682	1/4	156,322	1/4	145,241	1/4	130,326	1/4	115,339	1/4	100,342	1/4	85,335
1/2	1/2	1/2	187,121	1/2	176,797	1/2	166,467	1/2	156,106	1/2	144,945	1/2	130,013	1/2	115,027	1/2	100,029	1/2	85,022
3/4	3/4	3/4	186,905	3/4	176,581	3/4	166,251	3/4	155,890	3/4	144,650	3/4	129,701	3/4	114,714	3/4	99,716	3/4	84,710
10	10	10	186,690	10	176,366	10	166,035	10	155,675	10	144,355	10	129,389	10	114,402	10	99,404	10	84,397
1/4	1/4	1/4	186,475	1/4	176,151	1/4	165,819	1/4	155,459	1/4	144,048	1/4	129,077	1/4	114,090	1/4	99,091	1/4	84,084
1/2	1/2	1/2	186,260	1/2	175,936	1/2	165,603	1/2	155,243	1/2	143,740	1/2	128,764	1/2	113,778	1/2	98,778	1/2	83,772
3/4	3/4	3/4	186,045	3/4	175,721	3/4	165,387	3/4	155,027	3/4	143,433	3/4	128,452	3/4	113,466	3/4	98,466	3/4	83,459
11	11	11	185,830	11	175,506	11	165,172	11	154,811	11	143,125	11	128,140	11	113,153	11	98,153	11	83,146
1/4	1/4	1/4	185,615	1/4	175,291	1/4	164,956	1/4	154,595	1/4	142,813	1/4	127,828	1/4	112,841	1/4	97,841	1/4	82,834
1/2	1/2	1/2	185,400	1/2	175,076	1/2	164,740	1/2	154,379	1/2	142,501	1/2	127,516	1/2	112,529	1/2	97,528	1/2	82,521
3/4	3/4	3/4	185,185	3/4	174,861	3/4	164,524	3/4	154,164	3/4	142,189	3/4	127,203	3/4	112,217	3/4	97,215	3/4	82,209

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 TO THREADS ON "MMC" VALVE OR 8" HATCH
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "HSM 3033"

**3 STBD
ULLAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

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	81,896	0	66,889	0	51,882	0	36,891	0	21,887	0	6,881	0		0		0		0	
1/4	81,583	1/4	66,577	1/4	51,570	1/4	36,579	1/4	21,575	1/4	6,569	1/4		1/4		1/4		1/4	
1/2	81,271	1/2	66,264	1/2	51,257	1/2	36,266	1/2	21,262	1/2	6,256	1/2		1/2		1/2		1/2	
3/4	80,958	3/4	65,951	3/4	50,945	3/4	35,954	3/4	20,950	3/4	5,943	3/4		3/4		3/4		3/4	
1	80,645	1	65,639	1	50,632	1	35,642	1	20,637	1	5,631	1		1		1		1	
1/4	80,333	1/4	65,326	1/4	50,319	1/4	35,330	1/4	20,324	1/4	5,318	1/4		1/4		1/4		1/4	
1/2	80,020	1/2	65,013	1/2	50,007	1/2	35,017	1/2	20,012	1/2	5,006	1/2		1/2		1/2		1/2	
3/4	79,707	3/4	64,701	3/4	49,694	3/4	34,705	3/4	19,699	3/4	4,694	3/4		3/4		3/4		3/4	
2	79,395	2	64,388	2	49,381	2	34,393	2	19,386	2	4,381	2		2		2		2	
1/4	79,082	1/4	64,075	1/4	49,069	1/4	34,080	1/4	19,074	1/4	4,070	1/4		1/4		1/4		1/4	
1/2	78,770	1/2	63,763	1/2	48,756	1/2	33,767	1/2	18,761	1/2	3,758	1/2		1/2		1/2		1/2	
3/4	78,457	3/4	63,450	3/4	48,443	3/4	33,455	3/4	18,448	3/4	3,446	3/4		3/4		3/4		3/4	
3	78,144	3	63,138	3	48,131	3	33,142	3	18,136	3	3,135	3		3		3		3	
1/4	77,832	1/4	62,825	1/4	47,818	1/4	32,829	1/4	17,823	1/4	2,842	1/4		1/4		1/4		1/4	
1/2	77,519	1/2	62,512	1/2	47,506	1/2	32,517	1/2	17,511	1/2	2,550	1/2		1/2		1/2		1/2	
3/4	77,206	3/4	62,200	3/4	47,193	3/4	32,204	3/4	17,198	3/4	2,258	3/4		3/4		3/4		3/4	
4	76,894	4	61,887	4	46,881	4	31,892	4	16,885	4	1,965	4		4		4		4	
1/4	76,581	1/4	61,574	1/4	46,568	1/4	31,579	1/4	16,573	1/4	1,731	1/4		1/4		1/4		1/4	
1/2	76,268	1/2	61,262	1/2	46,256	1/2	31,266	1/2	16,260	1/2	1,496	1/2		1/2		1/2		1/2	
3/4	75,956	3/4	60,949	3/4	45,944	3/4	30,954	3/4	15,947	3/4	1,262	3/4		3/4		3/4		3/4	
5	75,643	5	60,636	5	45,631	5	30,641	5	15,635	5	1,028	5		5		5		5	
1/4	75,330	1/4	60,324	1/4	45,319	1/4	30,328	1/4	15,322	1/4		1/4		1/4		1/4		1/4	
1/2	75,018	1/2	60,011	1/2	45,007	1/2	30,016	1/2	15,010	1/2		1/2		1/2		1/2		1/2	
3/4	74,705	3/4	59,698	3/4	44,695	3/4	29,703	3/4	14,697	3/4		3/4		3/4		3/4		3/4	
6	74,393	6	59,386	6	44,382	6	29,391	6	14,384	6		6		6		6		6	
1/4	74,080	1/4	59,073	1/4	44,070	1/4	29,078	1/4	14,072	1/4		1/4		1/4		1/4		1/4	
1/2	73,767	1/2	58,761	1/2	43,758	1/2	28,765	1/2	13,759	1/2		1/2		1/2		1/2		1/2	
3/4	73,455	3/4	58,448	3/4	43,446	3/4	28,453	3/4	13,446	3/4		3/4		3/4		3/4		3/4	
7	73,142	7	58,135	7	43,134	7	28,140	7	13,134	7		7		7		7		7	
1/4	72,829	1/4	57,823	1/4	42,822	1/4	27,827	1/4	12,821	1/4		1/4		1/4		1/4		1/4	
1/2	72,517	1/2	57,510	1/2	42,509	1/2	27,515	1/2	12,509	1/2		1/2		1/2		1/2		1/2	
3/4	72,204	3/4	57,197	3/4	42,197	3/4	27,202	3/4	12,196	3/4		3/4		3/4		3/4		3/4	
8	71,891	8	56,885	8	41,885	8	26,890	8	11,883	8		8		8		8		8	
1/4	71,579	1/4	56,572	1/4	41,573	1/4	26,577	1/4	11,571	1/4		1/4		1/4		1/4		1/4	
1/2	71,266	1/2	56,259	1/2	41,261	1/2	26,264	1/2	11,258	1/2		1/2		1/2		1/2		1/2	
3/4	70,954	3/4	55,947	3/4	40,949	3/4	25,952	3/4	10,945	3/4		3/4		3/4		3/4		3/4	
9	70,641	9	55,634	9	40,637	9	25,639	9	10,633	9		9		9		9		9	
1/4	70,328	1/4	55,322	1/4	40,324	1/4	25,326	1/4	10,320	1/4		1/4		1/4		1/4		1/4	
1/2	70,016	1/2	55,009	1/2	40,012	1/2	25,014	1/2	10,007	1/2		1/2		1/2		1/2		1/2	
3/4	69,703	3/4	54,696	3/4	39,700	3/4	24,701	3/4	9,695	3/4		3/4		3/4		3/4		3/4	
10	69,390	10	54,384	10	39,388	10	24,388	10	9,382	10		10		10		10		10	
1/4	69,078	1/4	54,071	1/4	39,076	1/4	24,076	1/4	9,070	1/4		1/4		1/4		1/4		1/4	
1/2	68,765	1/2	53,758	1/2	38,764	1/2	23,763	1/2	8,757	1/2		1/2		1/2		1/2		1/2	
3/4	68,452	3/4	53,446	3/4	38,451	3/4	23,451	3/4	8,444	3/4		3/4		3/4		3/4		3/4	
11	68,140	11	53,133	11	38,139	11	23,138	11	8,132	11		11		11		11		11	
1/4	67,827	1/4	52,820	1/4	37,827	1/4	22,825	1/4	7,819	1/4		1/4		1/4		1/4		1/4	
1/2	67,514	1/2	52,508	1/2	37,515	1/2	22,513	1/2	7,506	1/2		1/2		1/2		1/2		1/2	
3/4	67,202	3/4	52,195	3/4	37,203	3/4	22,200	3/4	7,194	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 01/02/2020 CL
CALCULATED: 01/03/2020 CL
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3033"

PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 5'-07"

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	4,234	0	3,079	0	1,925	0	770	0		0		0		0	
1/4		1/4		1/4	4,210	1/4	3,054	1/4	1,901	1/4	746	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,185	1/2	3,030	1/2	1,877	1/2	722	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,161	3/4	3,006	3/4	1,853	3/4	698	3/4		3/4		3/4		3/4	
1		1		1	4,137	1	2,982	1	1,829	1	674	1		1		1		1	
1/4		1/4		1/4	4,113	1/4	2,958	1/4	1,805	1/4	650	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,089	1/2	2,934	1/2	1,780	1/2	626	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,065	3/4	2,910	3/4	1,756	3/4	602	3/4		3/4		3/4		3/4	
2		2		2	5,140	2	4,041	2	2,886	2	1,732	2		2		2		2	
1/4		1/4		1/4	5,128	1/4	4,017	1/4	2,862	1/4	1,708	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,117	1/2	3,993	1/2	2,838	1/2	1,684	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,105	3/4	3,969	3/4	2,814	3/4	1,660	3/4		3/4		3/4		3/4	
3		3		3	5,093	3	3,945	3	2,790	3	1,636	3		3		3		3	
1/4		1/4		1/4	5,070	1/4	3,921	1/4	2,766	1/4	1,612	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,046	1/2	3,897	1/2	2,742	1/2	1,588	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,023	3/4	3,873	3/4	2,718	3/4	1,564	3/4		3/4		3/4		3/4	
4		4		4	4,999	4	3,849	4	2,694	4	1,540	4		4		4		4	
1/4		1/4		1/4	4,975	1/4	3,825	1/4	2,670	1/4	1,516	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,952	1/2	3,800	1/2	2,646	1/2	1,492	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,928	3/4	3,776	3/4	2,622	3/4	1,468	3/4		3/4		3/4		3/4	
5		5		5	4,904	5	3,752	5	2,597	5	1,444	5		5		5		5	
1/4		1/4		1/4	4,881	1/4	3,728	1/4	2,574	1/4	1,419	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,857	1/2	3,704	1/2	2,550	1/2	1,395	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,833	3/4	3,680	3/4	2,526	3/4	1,371	3/4		3/4		3/4		3/4	
6		6		6	4,810	6	3,656	6	2,502	6	1,347	6		6		6		6	
1/4		1/4		1/4	4,786	1/4	3,632	1/4	2,478	1/4	1,323	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,762	1/2	3,608	1/2	2,454	1/2	1,299	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,739	3/4	3,584	3/4	2,430	3/4	1,275	3/4		3/4		3/4		3/4	
7		7		7	4,715	7	3,560	7	2,406	7	1,251	7		7		7		7	
1/4		1/4		1/4	4,691	1/4	3,536	1/4	2,382	1/4	1,227	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,667	1/2	3,512	1/2	2,358	1/2	1,203	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,643	3/4	3,488	3/4	2,334	3/4	1,179	3/4		3/4		3/4		3/4	
8		8		8	4,619	8	3,464	8	2,310	8	1,155	8		8		8		8	
1/4		1/4		1/4	4,595	1/4	3,440	1/4	2,286	1/4	1,131	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,570	1/2	3,415	1/2	2,262	1/2	1,107	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,546	3/4	3,391	3/4	2,238	3/4	1,083	3/4		3/4		3/4		3/4	
9		9		9	4,522	9	3,367	9	2,214	9	1,059	9		9		9		9	
1/4		1/4		1/4	4,498	1/4	3,343	1/4	2,190	1/4	1,035	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,474	1/2	3,319	1/2	2,165	1/2	1,011	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,450	3/4	3,295	3/4	2,141	3/4	987	3/4		3/4		3/4		3/4	
10		10		10	4,426	10	3,271	10	2,117	10	963	10		10		10		10	
1/4		1/4		1/4	4,402	1/4	3,247	1/4	2,093	1/4	938	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,378	1/2	3,223	1/2	2,069	1/2	914	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,354	3/4	3,199	3/4	2,045	3/4	890	3/4		3/4		3/4		3/4	
11		11		11	4,330	11	3,175	11	2,021	11	866	11		11		11		11	
1/4		1/4		1/4	4,306	1/4	3,151	1/4	1,997	1/4	842	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,282	1/2	3,127	1/2	1,973	1/2	818	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,258	3/4	3,103	3/4	1,949	3/4	794	3/4		3/4		3/4		3/4	

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 AT GAUGE POINT

STRAPPED: 01/02/2020 CL
CALCULATED: 01/03/2020 CL
PRINTED: 01/03/2020 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 01/2020

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



BARGE "HSM 3033"

STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07"

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	4,234	0	3,079	0	1,925	0	770	0		0		0		0	
1/4		1/4		1/4	4,210	1/4	3,054	1/4	1,901	1/4	746	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,185	1/2	3,030	1/2	1,877	1/2	722	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,161	3/4	3,006	3/4	1,853	3/4	698	3/4		3/4		3/4		3/4	
1		1		1	4,137	1	2,982	1	1,829	1	674	1		1		1		1	
1/4		1/4		1/4	4,113	1/4	2,958	1/4	1,805	1/4	650	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,089	1/2	2,934	1/2	1,780	1/2	626	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,065	3/4	2,910	3/4	1,756	3/4	602	3/4		3/4		3/4		3/4	
2		2		2	5,140	2	4,041	2	2,886	2	1,732	2		2		2		2	
1/4		1/4		1/4	5,128	1/4	4,017	1/4	2,862	1/4	1,708	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,117	1/2	3,993	1/2	2,838	1/2	1,684	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,105	3/4	3,969	3/4	2,814	3/4	1,660	3/4		3/4		3/4		3/4	
3		3		3	5,093	3	3,945	3	2,790	3	1,636	3		3		3		3	
1/4		1/4		1/4	5,070	1/4	3,921	1/4	2,766	1/4	1,612	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,046	1/2	3,897	1/2	2,742	1/2	1,588	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,023	3/4	3,873	3/4	2,718	3/4	1,564	3/4		3/4		3/4		3/4	
4		4		4	4,999	4	3,849	4	2,694	4	1,540	4		4		4		4	
1/4		1/4		1/4	4,975	1/4	3,825	1/4	2,670	1/4	1,516	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,952	1/2	3,800	1/2	2,646	1/2	1,492	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,928	3/4	3,776	3/4	2,622	3/4	1,468	3/4		3/4		3/4		3/4	
5		5		5	4,904	5	3,752	5	2,597	5	1,444	5		5		5		5	
1/4		1/4		1/4	4,881	1/4	3,728	1/4	2,574	1/4	1,419	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,857	1/2	3,704	1/2	2,550	1/2	1,395	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,833	3/4	3,680	3/4	2,526	3/4	1,371	3/4		3/4		3/4		3/4	
6		6		6	4,810	6	3,656	6	2,502	6	1,347	6		6		6		6	
1/4		1/4		1/4	4,786	1/4	3,632	1/4	2,478	1/4	1,323	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,762	1/2	3,608	1/2	2,454	1/2	1,299	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,739	3/4	3,584	3/4	2,430	3/4	1,275	3/4		3/4		3/4		3/4	
7		7		7	4,715	7	3,560	7	2,406	7	1,251	7		7		7		7	
1/4		1/4		1/4	4,691	1/4	3,536	1/4	2,382	1/4	1,227	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,667	1/2	3,512	1/2	2,358	1/2	1,203	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,643	3/4	3,488	3/4	2,334	3/4	1,179	3/4		3/4		3/4		3/4	
8		8		8	4,619	8	3,464	8	2,310	8	1,155	8		8		8		8	
1/4		1/4		1/4	4,595	1/4	3,440	1/4	2,286	1/4	1,131	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,570	1/2	3,415	1/2	2,262	1/2	1,107	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,546	3/4	3,391	3/4	2,238	3/4	1,083	3/4		3/4		3/4		3/4	
9		9		9	4,522	9	3,367	9	2,214	9	1,059	9		9		9		9	
1/4		1/4		1/4	4,498	1/4	3,343	1/4	2,190	1/4	1,035	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,474	1/2	3,319	1/2	2,165	1/2	1,011	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,450	3/4	3,295	3/4	2,141	3/4	987	3/4		3/4		3/4		3/4	
10		10		10	4,426	10	3,271	10	2,117	10	963	10		10		10		10	
1/4		1/4		1/4	4,402	1/4	3,247	1/4	2,093	1/4	938	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,378	1/2	3,223	1/2	2,069	1/2	914	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,354	3/4	3,199	3/4	2,045	3/4	890	3/4		3/4		3/4		3/4	
11		11		11	4,330	11	3,175	11	2,021	11	866	11		11		11		11	
1/4		1/4		1/4	4,306	1/4	3,151	1/4	1,997	1/4	842	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,282	1/2	3,127	1/2	1,973	1/2	818	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,258	3/4	3,103	3/4	1,949	3/4	794	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

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