



# BARGE "HSM 3022"

## INNAGE 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	00-0/8	- 00-0/8	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 INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 10, 2019

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

<http://www.pmacorp.net>



# BARGE "HSM 3022"

## INNAGE 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	00-1/4	- 00-1/4	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	00-3/8	- 00-3/8	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	00-3/8	- 00-3/8	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 - 00-3/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 10, 2019

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# BARGE "HSM 3022"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	385	0	13,251	0	28,177	0	43,200	0	58,161	0	73,141	0	88,164	0	103,187	0	118,205	0	133,221
1/4	562	1/4	13,553	1/4	28,490	1/4	43,513	1/4	58,471	1/4	73,454	1/4	88,477	1/4	103,500	1/4	118,518	1/4	133,534
1/2	739	1/2	13,854	1/2	28,803	1/2	43,826	1/2	58,782	1/2	73,767	1/2	88,790	1/2	103,813	1/2	118,831	1/2	133,847
3/4	916	3/4	14,156	3/4	29,116	3/4	44,139	3/4	59,093	3/4	74,080	3/4	89,103	3/4	104,126	3/4	119,143	3/4	134,160
1	1,093	1	14,457	1	29,429	1	44,452	1	59,403	1	74,393	1	89,416	1	104,438	1	119,456	1	134,473
1/4	1,332	1/4	14,762	1/4	29,742	1/4	44,765	1/4	59,714	1/4	74,706	1/4	89,729	1/4	104,751	1/4	119,769	1/4	134,785
1/2	1,570	1/2	15,067	1/2	30,055	1/2	45,078	1/2	60,024	1/2	75,019	1/2	90,042	1/2	105,064	1/2	120,082	1/2	135,098
3/4	1,809	3/4	15,373	3/4	30,368	3/4	45,391	3/4	60,335	3/4	75,332	3/4	90,355	3/4	105,377	3/4	120,395	3/4	135,411
2	2,048	2	15,678	2	30,681	2	45,704	2	60,646	2	75,642	2	90,668	2	105,690	2	120,708	2	135,724
1/4	2,310	1/4	15,987	1/4	30,994	1/4	46,017	1/4	60,956	1/4	75,958	1/4	90,980	1/4	106,003	1/4	121,020	1/4	136,037
1/2	2,571	1/2	16,296	1/2	31,307	1/2	46,330	1/2	61,267	1/2	76,271	1/2	91,293	1/2	106,316	1/2	121,333	1/2	136,350
3/4	2,833	3/4	16,605	3/4	31,620	3/4	46,643	3/4	61,578	3/4	76,584	3/4	91,606	3/4	106,629	3/4	121,646	3/4	136,662
3	3,095	3	16,914	3	31,933	3	46,955	3	61,888	3	76,897	3	91,919	3	106,942	3	121,959	3	136,975
1/4	3,362	1/4	17,226	1/4	32,246	1/4	47,268	1/4	62,199	1/4	77,210	1/4	92,232	1/4	107,255	1/4	122,272	1/4	137,288
1/2	3,628	1/2	17,538	1/2	32,559	1/2	47,581	1/2	62,510	1/2	77,522	1/2	92,545	1/2	107,568	1/2	122,585	1/2	137,601
3/4	3,895	3/4	17,850	3/4	32,872	3/4	47,894	3/4	62,821	3/4	77,835	3/4	92,858	3/4	107,881	3/4	122,897	3/4	137,914
4	4,161	4	18,162	4	33,185	4	48,207	4	63,131	4	78,148	4	93,171	4	108,194	4	123,210	4	138,227
1/4	4,432	1/4	18,475	1/4	33,498	1/4	48,520	1/4	63,443	1/4	78,461	1/4	93,484	1/4	108,507	1/4	123,523	1/4	138,540
1/2	4,702	1/2	18,788	1/2	33,811	1/2	48,832	1/2	63,755	1/2	78,774	1/2	93,797	1/2	108,820	1/2	123,836	1/2	138,852
3/4	4,973	3/4	19,101	3/4	34,124	3/4	49,144	3/4	64,066	3/4	79,087	3/4	94,110	3/4	109,132	3/4	124,149	3/4	139,165
5	5,243	5	19,414	5	34,437	5	49,456	5	64,378	5	79,400	5	94,423	5	109,445	5	124,462	5	139,478
1/4	5,518	1/4	19,727	1/4	34,750	1/4	49,768	1/4	64,691	1/4	79,713	1/4	94,736	1/4	109,758	1/4	124,775	1/4	139,791
1/2	5,792	1/2	20,040	1/2	35,063	1/2	50,079	1/2	65,004	1/2	80,026	1/2	95,049	1/2	110,071	1/2	125,087	1/2	140,104
3/4	6,067	3/4	20,353	3/4	35,376	3/4	50,391	3/4	65,317	3/4	80,339	3/4	95,362	3/4	110,384	3/4	125,400	3/4	140,417
6	6,341	6	20,666	6	35,689	6	50,702	6	65,629	6	80,652	6	95,675	6	110,697	6	125,713	6	140,729
1/4	6,619	1/4	20,979	1/4	36,002	1/4	51,014	1/4	65,942	1/4	80,965	1/4	95,988	1/4	111,010	1/4	126,026	1/4	141,042
1/2	6,898	1/2	21,292	1/2	36,315	1/2	51,325	1/2	66,255	1/2	81,278	1/2	96,301	1/2	111,322	1/2	126,339	1/2	141,355
3/4	7,176	3/4	21,605	3/4	36,628	3/4	51,636	3/4	66,568	3/4	81,591	3/4	96,614	3/4	111,635	3/4	126,652	3/4	141,668
7	7,454	7	21,918	7	36,941	7	51,948	7	66,881	7	81,904	7	96,927	7	111,948	7	126,964	7	141,981
1/4	7,736	1/4	22,231	1/4	37,253	1/4	52,258	1/4	67,194	1/4	82,217	1/4	97,240	1/4	112,261	1/4	127,277	1/4	142,294
1/2	8,019	1/2	22,544	1/2	37,566	1/2	52,569	1/2	67,507	1/2	82,530	1/2	97,553	1/2	112,574	1/2	127,590	1/2	142,606
3/4	8,301	3/4	22,857	3/4	37,879	3/4	52,880	3/4	67,820	3/4	82,843	3/4	97,866	3/4	112,887	3/4	127,903	3/4	142,919
8	8,583	8	23,170	8	38,192	8	53,191	8	68,133	8	83,156	8	98,179	8	113,199	8	128,216	8	143,232
1/4	8,869	1/4	23,483	1/4	38,505	1/4	53,502	1/4	68,446	1/4	83,469	1/4	98,492	1/4	113,512	1/4	128,529	1/4	143,545
1/2	9,155	1/2	23,796	1/2	38,818	1/2	53,812	1/2	68,759	1/2	83,782	1/2	98,805	1/2	113,825	1/2	128,841	1/2	143,858
3/4	9,441	3/4	24,109	3/4	39,131	3/4	54,123	3/4	69,072	3/4	84,095	3/4	99,118	3/4	114,138	3/4	129,154	3/4	144,171
9	9,727	9	24,422	9	39,444	9	54,433	9	69,385	9	84,408	9	99,431	9	114,451	9	129,467	9	144,484
1/4	10,017	1/4	24,735	1/4	39,757	1/4	54,744	1/4	69,698	1/4	84,721	1/4	99,744	1/4	114,764	1/4	129,780	1/4	144,796
1/2	10,307	1/2	25,048	1/2	40,070	1/2	55,055	1/2	70,011	1/2	85,034	1/2	100,057	1/2	115,076	1/2	130,093	1/2	145,109
3/4	10,596	3/4	25,361	3/4	40,383	3/4	55,365	3/4	70,324	3/4	85,347	3/4	100,370	3/4	115,389	3/4	130,406	3/4	145,422
10	10,886	10	25,674	10	40,696	10	55,676	10	70,637	10	85,660	10	100,683	10	115,702	10	130,719	10	145,735
1/4	11,180	1/4	25,987	1/4	41,009	1/4	55,986	1/4	70,950	1/4	85,973	1/4	100,996	1/4	116,015	1/4	131,031	1/4	146,048
1/2	11,474	1/2	26,300	1/2	41,322	1/2	56,297	1/2	71,263	1/2	86,286	1/2	101,309	1/2	116,328	1/2	131,344	1/2	146,361
3/4	11,767	3/4	26,613	3/4	41,635	3/4	56,608	3/4	71,576	3/4	86,599	3/4	101,622	3/4	116,641	3/4	131,657	3/4	146,673
11	12,061	11	26,926	11	41,948	11	56,918	11	71,889	11	86,912	11	101,935	11	116,953	11	131,970	11	146,986
1/4	12,359	1/4	27,239	1/4	42,261	1/4	57,229	1/4	72,202	1/4	87,225	1/4	102,248	1/4	117,266	1/4	132,283	1/4	147,299
1/2	12,656	1/2	27,552	1/2	42,574	1/2	57,539	1/2	72,515	1/2	87,538	1/2	102,561	1/2	117,579	1/2	132,596	1/2	147,612
3/4	12,954	3/4	27,864	3/4	42,887	3/4	57,850	3/4	72,828	3/4	87,851	3/4	102,874	3/4	117,892	3/4	132,908	3/4	147,925

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

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# BARGE "HSM 3022"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

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	
0	148,238	0	163,254	0	178,261	0	193,234	0	208,134	0		0		0		0		0	
1/4	148,550	1/4	163,567	1/4	178,573	1/4	193,546	1/4	208,414	1/4		1/4		1/4		1/4		1/4	
1/2	148,863	1/2	163,880	1/2	178,885	1/2	193,858	1/2	208,694	1/2		1/2		1/2		1/2		1/2	
3/4	149,176	3/4	164,193	3/4	179,197	3/4	194,170	3/4	208,974	3/4		3/4		3/4		3/4		3/4	
1	149,489	1	164,505	1	179,509	1	194,482	1	209,254	1		1		1		1		1	
1/4	149,802	1/4	164,818	1/4	179,821	1/4	194,793	1/4	209,486	1/4		1/4		1/4		1/4		1/4	
1/2	150,115	1/2	165,131	1/2	180,133	1/2	195,105	1/2	209,718	1/2		1/2		1/2		1/2		1/2	
3/4	150,428	3/4	165,444	3/4	180,445	3/4	195,417	3/4	209,949	3/4		3/4		3/4		3/4		3/4	
2	150,740	2	165,757	2	180,757	2	195,729	2	210,181	2		2		2		2		2	
1/4	151,053	1/4	166,070	1/4	181,069	1/4	196,041	1/4	210,361	1/4		1/4		1/4		1/4		1/4	
1/2	151,366	1/2	166,382	1/2	181,381	1/2	196,353	1/2	210,540	1/2		1/2		1/2		1/2		1/2	
3/4	151,679	3/4	166,695	3/4	181,692	3/4	196,665	3/4	210,720	3/4		3/4		3/4		3/4		3/4	
3	151,992	3	167,008	3	182,004	3	196,977	3	210,899	3		3		3		3		3	
1/4	152,305	1/4	167,321	1/4	182,316	1/4	197,289	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,617	1/2	167,634	1/2	182,628	1/2	197,601	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,930	3/4	167,947	3/4	182,940	3/4	197,913	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,243	4	168,259	4	183,252	4	198,225	4		4		4		4		4		4	
1/4	153,556	1/4	168,572	1/4	183,564	1/4	198,537	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,869	1/2	168,885	1/2	183,876	1/2	198,849	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,182	3/4	169,198	3/4	184,188	3/4	199,160	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,494	5	169,511	5	184,500	5	199,472	5		5		5		5		5		5	
1/4	154,807	1/4	169,824	1/4	184,812	1/4	199,783	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,120	1/2	170,137	1/2	185,124	1/2	200,094	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,433	3/4	170,449	3/4	185,436	3/4	200,405	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,746	6	170,762	6	185,748	6	200,716	6		6		6		6		6		6	
1/4	156,059	1/4	171,075	1/4	186,059	1/4	201,026	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,372	1/2	171,388	1/2	186,371	1/2	201,335	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,684	3/4	171,701	3/4	186,683	3/4	201,645	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,997	7	172,014	7	186,995	7	201,955	7		7		7		7		7		7	
1/4	157,310	1/4	172,326	1/4	187,307	1/4	202,265	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,623	1/2	172,639	1/2	187,619	1/2	202,575	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,936	3/4	172,952	3/4	187,931	3/4	202,885	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,249	8	173,265	8	188,243	8	203,194	8		8		8		8		8		8	
1/4	158,561	1/4	173,578	1/4	188,555	1/4	203,504	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,874	1/2	173,891	1/2	188,867	1/2	203,814	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,187	3/4	174,203	3/4	189,179	3/4	204,124	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,500	9	174,516	9	189,491	9	204,434	9		9		9		9		9		9	
1/4	159,813	1/4	174,829	1/4	189,803	1/4	204,744	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,126	1/2	175,141	1/2	190,115	1/2	205,054	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,438	3/4	175,453	3/4	190,426	3/4	205,364	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,751	10	175,766	10	190,738	10	205,673	10		10		10		10		10		10	
1/4	161,064	1/4	176,078	1/4	191,050	1/4	205,983	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,377	1/2	176,390	1/2	191,362	1/2	206,292	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,690	3/4	176,702	3/4	191,674	3/4	206,602	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,003	11	177,014	11	191,986	11	206,911	11		11		11		11		11		11	
1/4	162,315	1/4	177,325	1/4	192,298	1/4	207,217	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,628	1/2	177,637	1/2	192,610	1/2	207,523	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,941	3/4	177,949	3/4	192,922	3/4	207,828	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2019 CL  
CALCULATED: 10/10/2019 CL  
PRINTED: 10/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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



# BARGE "HSM 3022"

## 1 STBD INNAGE 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	385	0	13,256	0	28,187	0	43,215	0	58,238	0	73,263	0	88,291	0	103,319	0	118,343	0	133,364
1/4	562	1/4	13,558	1/4	28,500	1/4	43,528	1/4	58,551	1/4	73,576	1/4	88,605	1/4	103,633	1/4	118,656	1/4	133,677
1/2	739	1/2	13,859	1/2	28,813	1/2	43,841	1/2	58,864	1/2	73,890	1/2	88,918	1/2	103,946	1/2	118,969	1/2	133,990
3/4	916	3/4	14,161	3/4	29,126	3/4	44,154	3/4	59,177	3/4	74,203	3/4	89,231	3/4	104,259	3/4	119,282	3/4	134,303
1	1,093	1	14,462	1	29,440	1	44,467	1	59,489	1	74,516	1	89,544	1	104,572	1	119,595	1	134,616
1/4	1,332	1/4	14,767	1/4	29,753	1/4	44,780	1/4	59,802	1/4	74,829	1/4	89,857	1/4	104,885	1/4	119,908	1/4	134,929
1/2	1,571	1/2	15,073	1/2	30,066	1/2	45,093	1/2	60,115	1/2	75,142	1/2	90,170	1/2	105,198	1/2	120,221	1/2	135,242
3/4	1,810	3/4	15,378	3/4	30,379	3/4	45,406	3/4	60,428	3/4	75,455	3/4	90,483	3/4	105,511	3/4	120,534	3/4	135,555
2	2,048	2	15,684	2	30,692	2	45,719	2	60,741	2	75,768	2	90,796	2	105,824	2	120,847	2	135,868
1/4	2,310	1/4	15,993	1/4	31,005	1/4	46,033	1/4	61,054	1/4	76,081	1/4	91,109	1/4	106,137	1/4	121,159	1/4	136,181
1/2	2,572	1/2	16,302	1/2	31,318	1/2	46,346	1/2	61,367	1/2	76,394	1/2	91,422	1/2	106,450	1/2	121,472	1/2	136,494
3/4	2,834	3/4	16,611	3/4	31,631	3/4	46,659	3/4	61,680	3/4	76,707	3/4	91,735	3/4	106,763	3/4	121,785	3/4	136,807
3	3,096	3	16,920	3	31,944	3	46,972	3	61,993	3	77,020	3	92,048	3	107,076	3	122,098	3	137,120
1/4	3,363	1/4	17,233	1/4	32,257	1/4	47,285	1/4	62,306	1/4	77,333	1/4	92,362	1/4	107,390	1/4	122,411	1/4	137,433
1/2	3,630	1/2	17,545	1/2	32,570	1/2	47,598	1/2	62,619	1/2	77,647	1/2	92,675	1/2	107,703	1/2	122,724	1/2	137,746
3/4	3,896	3/4	17,857	3/4	32,883	3/4	47,911	3/4	62,932	3/4	77,960	3/4	92,988	3/4	108,016	3/4	123,037	3/4	138,059
4	4,163	4	18,169	4	33,196	4	48,224	4	63,245	4	78,273	4	93,301	4	108,329	4	123,350	4	138,372
1/4	4,433	1/4	18,482	1/4	33,510	1/4	48,537	1/4	63,558	1/4	78,586	1/4	93,614	1/4	108,641	1/4	123,663	1/4	138,685
1/2	4,704	1/2	18,795	1/2	33,823	1/2	48,850	1/2	63,871	1/2	78,899	1/2	93,927	1/2	108,954	1/2	123,976	1/2	138,998
3/4	4,975	3/4	19,108	3/4	34,136	3/4	49,163	3/4	64,184	3/4	79,212	3/4	94,240	3/4	109,267	3/4	124,289	3/4	139,311
5	5,245	5	19,421	5	34,449	5	49,476	5	64,497	5	79,525	5	94,553	5	109,580	5	124,602	5	139,624
1/4	5,520	1/4	19,734	1/4	34,762	1/4	49,789	1/4	64,810	1/4	79,838	1/4	94,866	1/4	109,893	1/4	124,915	1/4	139,936
1/2	5,794	1/2	20,047	1/2	35,075	1/2	50,103	1/2	65,123	1/2	80,151	1/2	95,179	1/2	110,206	1/2	125,228	1/2	140,249
3/4	6,069	3/4	20,360	3/4	35,388	3/4	50,416	3/4	65,436	3/4	80,464	3/4	95,492	3/4	110,519	3/4	125,541	3/4	140,562
6	6,343	6	20,673	6	35,701	6	50,729	6	65,749	6	80,777	6	95,805	6	110,832	6	125,854	6	140,875
1/4	6,622	1/4	20,987	1/4	36,014	1/4	51,042	1/4	66,062	1/4	81,090	1/4	96,119	1/4	111,145	1/4	126,167	1/4	141,188
1/2	6,900	1/2	21,300	1/2	36,327	1/2	51,355	1/2	66,375	1/2	81,404	1/2	96,432	1/2	111,458	1/2	126,480	1/2	141,501
3/4	7,179	3/4	21,613	3/4	36,640	3/4	51,668	3/4	66,689	3/4	81,717	3/4	96,745	3/4	111,771	3/4	126,793	3/4	141,814
7	7,457	7	21,926	7	36,953	7	51,981	7	67,002	7	82,030	7	97,058	7	112,084	7	127,105	7	142,127
1/4	7,739	1/4	22,239	1/4	37,266	1/4	52,294	1/4	67,315	1/4	82,343	1/4	97,371	1/4	112,397	1/4	127,418	1/4	142,440
1/2	8,021	1/2	22,552	1/2	37,580	1/2	52,607	1/2	67,628	1/2	82,656	1/2	97,684	1/2	112,710	1/2	127,731	1/2	142,753
3/4	8,304	3/4	22,865	3/4	37,893	3/4	52,919	3/4	67,941	3/4	82,969	3/4	97,997	3/4	113,023	3/4	128,044	3/4	143,066
8	8,586	8	23,178	8	38,206	8	53,232	8	68,254	8	83,282	8	98,310	8	113,336	8	128,357	8	143,379
1/4	8,872	1/4	23,491	1/4	38,519	1/4	53,545	1/4	68,567	1/4	83,595	1/4	98,623	1/4	113,649	1/4	128,670	1/4	143,692
1/2	9,158	1/2	23,804	1/2	38,832	1/2	53,858	1/2	68,880	1/2	83,908	1/2	98,936	1/2	113,962	1/2	128,983	1/2	144,005
3/4	9,444	3/4	24,117	3/4	39,145	3/4	54,171	3/4	69,193	3/4	84,221	3/4	99,249	3/4	114,275	3/4	129,296	3/4	144,318
9	9,730	9	24,430	9	39,458	9	54,484	9	69,506	9	84,534	9	99,562	9	114,588	9	129,609	9	144,631
1/4	10,020	1/4	24,743	1/4	39,771	1/4	54,797	1/4	69,819	1/4	84,847	1/4	99,876	1/4	114,900	1/4	129,922	1/4	144,944
1/2	10,310	1/2	25,057	1/2	40,084	1/2	55,110	1/2	70,133	1/2	85,161	1/2	100,189	1/2	115,213	1/2	130,235	1/2	145,257
3/4	10,600	3/4	25,370	3/4	40,397	3/4	55,422	3/4	70,446	3/4	85,474	3/4	100,502	3/4	115,526	3/4	130,548	3/4	145,570
10	10,890	10	25,683	10	40,710	10	55,735	10	70,759	10	85,787	10	100,815	10	115,839	10	130,861	10	145,883
1/4	11,184	1/4	25,996	1/4	41,023	1/4	56,048	1/4	71,072	1/4	86,100	1/4	101,128	1/4	116,152	1/4	131,174	1/4	146,196
1/2	11,478	1/2	26,309	1/2	41,336	1/2	56,361	1/2	71,385	1/2	86,413	1/2	101,441	1/2	116,465	1/2	131,487	1/2	146,508
3/4	11,772	3/4	26,622	3/4	41,649	3/4	56,674	3/4	71,698	3/4	86,726	3/4	101,754	3/4	116,778	3/4	131,800	3/4	146,821
11	12,065	11	26,935	11	41,963	11	56,987	11	72,011	11	87,039	11	102,067	11	117,091	11	132,113	11	147,134
1/4	12,363	1/4	27,248	1/4	42,276	1/4	57,299	1/4	72,324	1/4	87,352	1/4	102,380	1/4	117,404	1/4	132,426	1/4	147,447
1/2	12,661	1/2	27,561	1/2	42,589	1/2	57,612	1/2	72,637	1/2	87,665	1/2	102,693	1/2	117,717	1/2	132,739	1/2	147,760
3/4	12,958	3/4	27,874	3/4	42,902	3/4	57,925	3/4	72,950	3/4	87,978	3/4	103,006	3/4	118,030	3/4	133,052	3/4	148,073

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

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "HSM 3022"

## 1 STBD INNAGE 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	148,386	0	163,408	0	178,421	0	193,399	0	208,304	0		0		0		0		0	
1/4	148,699	1/4	163,721	1/4	178,733	1/4	193,711	1/4	208,584	1/4		1/4		1/4		1/4		1/4	
1/2	149,012	1/2	164,034	1/2	179,045	1/2	194,023	1/2	208,865	1/2		1/2		1/2		1/2		1/2	
3/4	149,325	3/4	164,347	3/4	179,357	3/4	194,335	3/4	209,145	3/4		3/4		3/4		3/4		3/4	
1	149,638	1	164,660	1	179,669	1	194,647	1	209,425	1		1		1		1		1	
1/4	149,951	1/4	164,973	1/4	179,981	1/4	194,959	1/4	209,657	1/4		1/4		1/4		1/4		1/4	
1/2	150,264	1/2	165,286	1/2	180,293	1/2	195,271	1/2	209,888	1/2		1/2		1/2		1/2		1/2	
3/4	150,577	3/4	165,599	3/4	180,605	3/4	195,583	3/4	210,120	3/4		3/4		3/4		3/4		3/4	
2	150,890	2	165,912	2	180,917	2	195,895	2	210,352	2		2		2		2		2	
1/4	151,203	1/4	166,225	1/4	181,229	1/4	196,207	1/4	210,532	1/4		1/4		1/4		1/4		1/4	
1/2	151,516	1/2	166,538	1/2	181,541	1/2	196,519	1/2	210,711	1/2		1/2		1/2		1/2		1/2	
3/4	151,829	3/4	166,851	3/4	181,853	3/4	196,831	3/4	210,891	3/4		3/4		3/4		3/4		3/4	
3	152,142	3	167,163	3	182,165	3	197,143	3	211,070	3		3		3		3		3	
1/4	152,455	1/4	167,476	1/4	182,477	1/4	197,455	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,768	1/2	167,789	1/2	182,789	1/2	197,767	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,081	3/4	168,102	3/4	183,101	3/4	198,079	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,393	4	168,415	4	183,413	4	198,391	4		4		4		4		4		4	
1/4	153,706	1/4	168,728	1/4	183,725	1/4	198,703	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,019	1/2	169,041	1/2	184,037	1/2	199,015	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,332	3/4	169,354	3/4	184,349	3/4	199,327	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,645	5	169,667	5	184,662	5	199,640	5		5		5		5		5		5	
1/4	154,958	1/4	169,980	1/4	184,974	1/4	199,950	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,271	1/2	170,293	1/2	185,286	1/2	200,261	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,584	3/4	170,606	3/4	185,598	3/4	200,572	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,897	6	170,919	6	185,910	6	200,883	6		6		6		6		6		6	
1/4	156,210	1/4	171,232	1/4	186,222	1/4	201,193	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,523	1/2	171,545	1/2	186,534	1/2	201,503	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,836	3/4	171,858	3/4	186,846	3/4	201,813	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,149	7	172,171	7	187,158	7	202,123	7		7		7		7		7		7	
1/4	157,462	1/4	172,484	1/4	187,470	1/4	202,433	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,775	1/2	172,797	1/2	187,782	1/2	202,743	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,088	3/4	173,110	3/4	188,094	3/4	203,053	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,401	8	173,423	8	188,406	8	203,363	8		8		8		8		8		8	
1/4	158,714	1/4	173,736	1/4	188,718	1/4	203,673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,027	1/2	174,048	1/2	189,030	1/2	203,983	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,340	3/4	174,361	3/4	189,342	3/4	204,293	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,653	9	174,674	9	189,654	9	204,603	9		9		9		9		9		9	
1/4	159,966	1/4	174,987	1/4	189,966	1/4	204,913	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,278	1/2	175,299	1/2	190,278	1/2	205,223	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,591	3/4	175,612	3/4	190,590	3/4	205,533	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,904	10	175,924	10	190,902	10	205,843	10		10		10		10		10		10	
1/4	161,217	1/4	176,236	1/4	191,214	1/4	206,152	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,530	1/2	176,548	1/2	191,526	1/2	206,462	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,843	3/4	176,860	3/4	191,838	3/4	206,771	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,156	11	177,173	11	192,151	11	207,081	11		11		11		11		11		11	
1/4	162,469	1/4	177,485	1/4	192,463	1/4	207,387	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,782	1/2	177,797	1/2	192,775	1/2	207,693	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,095	3/4	178,109	3/4	193,087	3/4	207,998	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2019 CL  
CALCULATED: 10/10/2019 CL  
PRINTED: 10/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT  
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Pearland, Texas 77588  
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# BARGE "HSM 3022"

## 2 PORT INNAGE 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	1,033	0	15,710	0	30,787	0	45,492	0	59,991	0	74,859	0	89,938	0	105,018	0	120,092	0	135,164
1/4	1,268	1/4	16,025	1/4	31,101	1/4	45,794	1/4	60,294	1/4	75,173	1/4	90,253	1/4	105,332	1/4	120,406	1/4	135,478
1/2	1,504	1/2	16,339	1/2	31,415	1/2	46,095	1/2	60,596	1/2	75,487	1/2	90,567	1/2	105,646	1/2	120,720	1/2	135,792
3/4	1,739	3/4	16,653	3/4	31,730	3/4	46,397	3/4	60,899	3/4	75,801	3/4	90,881	3/4	105,960	3/4	121,034	3/4	136,106
1	1,975	1	16,967	1	32,044	1	46,698	1	61,201	1	76,116	1	91,195	1	106,274	1	121,348	1	136,420
1/4	2,269	1/4	17,281	1/4	32,358	1/4	47,000	1/4	61,503	1/4	76,430	1/4	91,509	1/4	106,589	1/4	121,662	1/4	136,734
1/2	2,562	1/2	17,595	1/2	32,672	1/2	47,301	1/2	61,806	1/2	76,744	1/2	91,823	1/2	106,903	1/2	121,976	1/2	137,048
3/4	2,856	3/4	17,909	3/4	32,986	3/4	47,602	3/4	62,108	3/4	77,058	3/4	92,137	3/4	107,217	3/4	122,290	3/4	137,362
2	3,150	2	18,224	2	33,300	2	47,904	2	62,411	2	77,372	2	92,452	2	107,531	2	122,604	2	137,676
1/4	3,463	1/4	18,538	1/4	33,614	1/4	48,205	1/4	62,713	1/4	77,686	1/4	92,766	1/4	107,845	1/4	122,918	1/4	137,990
1/2	3,776	1/2	18,852	1/2	33,929	1/2	48,507	1/2	63,015	1/2	78,000	1/2	93,080	1/2	108,159	1/2	123,232	1/2	138,304
3/4	4,089	3/4	19,166	3/4	34,243	3/4	48,809	3/4	63,318	3/4	78,315	3/4	93,394	3/4	108,474	3/4	123,546	3/4	138,618
3	4,402	3	19,480	3	34,557	3	49,110	3	63,620	3	78,629	3	93,708	3	108,788	3	123,860	3	138,932
1/4	4,716	1/4	19,794	1/4	34,871	1/4	49,412	1/4	63,922	1/4	78,943	1/4	94,022	1/4	109,102	1/4	124,174	1/4	139,246
1/2	5,030	1/2	20,109	1/2	35,185	1/2	49,713	1/2	64,225	1/2	79,257	1/2	94,337	1/2	109,416	1/2	124,488	1/2	139,560
3/4	5,344	3/4	20,423	3/4	35,499	3/4	50,015	3/4	64,527	3/4	79,571	3/4	94,651	3/4	109,730	3/4	124,802	3/4	139,874
4	5,658	4	20,737	4	35,813	4	50,317	4	64,830	4	79,885	4	94,965	4	110,044	4	125,116	4	140,188
1/4	5,972	1/4	21,051	1/4	36,122	1/4	50,619	1/4	65,138	1/4	80,200	1/4	95,279	1/4	110,358	1/4	125,430	1/4	140,502
1/2	6,286	1/2	21,365	1/2	36,430	1/2	50,921	1/2	65,446	1/2	80,514	1/2	95,593	1/2	110,672	1/2	125,744	1/2	140,816
3/4	6,600	3/4	21,679	3/4	36,738	3/4	51,223	3/4	65,754	3/4	80,828	3/4	95,907	3/4	110,986	3/4	126,058	3/4	141,130
5	6,914	5	21,993	5	37,047	5	51,525	5	66,063	5	81,142	5	96,221	5	111,300	5	126,372	5	141,444
1/4	7,229	1/4	22,308	1/4	37,349	1/4	51,827	1/4	66,377	1/4	81,456	1/4	96,536	1/4	111,614	1/4	126,686	1/4	141,758
1/2	7,543	1/2	22,622	1/2	37,651	1/2	52,130	1/2	66,691	1/2	81,770	1/2	96,850	1/2	111,928	1/2	127,000	1/2	142,072
3/4	7,857	3/4	22,936	3/4	37,954	3/4	52,432	3/4	67,005	3/4	82,084	3/4	97,164	3/4	112,242	3/4	127,314	3/4	142,386
6	8,171	6	23,250	6	38,256	6	52,734	6	67,319	6	82,399	6	97,478	6	112,556	6	127,628	6	142,700
1/4	8,485	1/4	23,564	1/4	38,558	1/4	53,037	1/4	67,633	1/4	82,713	1/4	97,792	1/4	112,870	1/4	127,942	1/4	143,014
1/2	8,799	1/2	23,878	1/2	38,860	1/2	53,339	1/2	67,948	1/2	83,027	1/2	98,106	1/2	113,184	1/2	128,256	1/2	143,328
3/4	9,113	3/4	24,192	3/4	39,162	3/4	53,642	3/4	68,262	3/4	83,341	3/4	98,421	3/4	113,498	3/4	128,570	3/4	143,642
7	9,428	7	24,507	7	39,464	7	53,944	7	68,576	7	83,655	7	98,735	7	113,812	7	128,884	7	143,956
1/4	9,742	1/4	24,821	1/4	39,765	1/4	54,246	1/4	68,890	1/4	83,969	1/4	99,049	1/4	114,126	1/4	129,198	1/4	144,270
1/2	10,056	1/2	25,135	1/2	40,066	1/2	54,549	1/2	69,204	1/2	84,284	1/2	99,363	1/2	114,440	1/2	129,512	1/2	144,584
3/4	10,370	3/4	25,449	3/4	40,368	3/4	54,851	3/4	69,518	3/4	84,598	3/4	99,677	3/4	114,754	3/4	129,826	3/4	144,898
8	10,684	8	25,763	8	40,669	8	55,153	8	69,832	8	84,912	8	99,991	8	115,068	8	130,140	8	145,212
1/4	10,998	1/4	26,077	1/4	40,971	1/4	55,456	1/4	70,147	1/4	85,226	1/4	100,305	1/4	115,382	1/4	130,454	1/4	145,526
1/2	11,312	1/2	26,391	1/2	41,272	1/2	55,758	1/2	70,461	1/2	85,540	1/2	100,620	1/2	115,696	1/2	130,768	1/2	145,840
3/4	11,627	3/4	26,705	3/4	41,574	3/4	56,061	3/4	70,775	3/4	85,854	3/4	100,934	3/4	116,010	3/4	131,082	3/4	146,154
9	11,941	9	27,019	9	41,875	9	56,363	9	71,089	9	86,169	9	101,248	9	116,324	9	131,396	9	146,468
1/4	12,255	1/4	27,333	1/4	42,177	1/4	56,665	1/4	71,403	1/4	86,483	1/4	101,562	1/4	116,638	1/4	131,710	1/4	146,782
1/2	12,569	1/2	27,647	1/2	42,478	1/2	56,968	1/2	71,717	1/2	86,797	1/2	101,876	1/2	116,952	1/2	132,024	1/2	147,096
3/4	12,883	3/4	27,961	3/4	42,779	3/4	57,270	3/4	72,032	3/4	87,111	3/4	102,190	3/4	117,266	3/4	132,338	3/4	147,410
10	13,197	10	28,275	10	43,081	10	57,572	10	72,346	10	87,425	10	102,505	10	117,580	10	132,652	10	147,724
1/4	13,511	1/4	28,589	1/4	43,382	1/4	57,875	1/4	72,660	1/4	87,739	1/4	102,819	1/4	117,894	1/4	132,966	1/4	148,038
1/2	13,826	1/2	28,903	1/2	43,684	1/2	58,177	1/2	72,974	1/2	88,053	1/2	103,133	1/2	118,208	1/2	133,280	1/2	148,352
3/4	14,140	3/4	29,217	3/4	43,985	3/4	58,480	3/4	73,288	3/4	88,368	3/4	103,447	3/4	118,522	3/4	133,594	3/4	148,666
11	14,454	11	29,531	11	44,287	11	58,782	11	73,602	11	88,682	11	103,761	11	118,836	11	133,908	11	148,980
1/4	14,768	1/4	29,845	1/4	44,588	1/4	59,084	1/4	73,916	1/4	88,996	1/4	104,075	1/4	119,150	1/4	134,222	1/4	149,294
1/2	15,082	1/2	30,159	1/2	44,890	1/2	59,387	1/2	74,231	1/2	89,310	1/2	104,390	1/2	119,464	1/2	134,536	1/2	149,608
3/4	15,396	3/4	30,473	3/4	45,191	3/4	59,689	3/4	74,545	3/4	89,624	3/4	104,704	3/4	119,778	3/4	134,850	3/4	149,922

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 INNAGE 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 3022"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	150,550	1/4	165,622	1/4	180,682	1/4	195,702	1/4	210,593	1/4		1/4		1/4		1/4		1/4	
1/2	150,864	1/2	165,936	1/2	180,995	1/2	196,015	1/2	210,873	1/2		1/2		1/2		1/2		1/2	
3/4	151,178	3/4	166,250	3/4	181,308	3/4	196,328	3/4	211,153	3/4		3/4		3/4		3/4		3/4	
1	151,492	1	166,564	1	181,620	1	196,641	1	211,433	1		1		1		1		1	
1/4	151,806	1/4	166,878	1/4	181,933	1/4	196,954	1/4	211,665	1/4		1/4		1/4		1/4		1/4	
1/2	152,120	1/2	167,192	1/2	182,246	1/2	197,267	1/2	211,896	1/2		1/2		1/2		1/2		1/2	
3/4	152,434	3/4	167,506	3/4	182,559	3/4	197,580	3/4	212,128	3/4		3/4		3/4		3/4		3/4	
2	152,748	2	167,820	2	182,872	2	197,893	2	212,359	2		2		2		2		2	
1/4	153,062	1/4	168,134	1/4	183,185	1/4	198,206	1/4	212,538	1/4		1/4		1/4		1/4		1/4	
1/2	153,376	1/2	168,448	1/2	183,498	1/2	198,519	1/2	212,717	1/2		1/2		1/2		1/2		1/2	
3/4	153,690	3/4	168,762	3/4	183,811	3/4	198,832	3/4	212,896	3/4		3/4		3/4		3/4		3/4	
3	154,004	3	169,076	3	184,124	3	199,145	3	213,075	3		3		3		3		3	
1/4	154,318	1/4	169,390	1/4	184,437	1/4	199,458	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,632	1/2	169,703	1/2	184,750	1/2	199,771	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,946	3/4	170,017	3/4	185,063	3/4	200,083	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,260	4	170,331	4	185,376	4	200,396	4		4		4		4		4		4	
1/4	155,574	1/4	170,645	1/4	185,689	1/4	200,709	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,888	1/2	170,959	1/2	186,002	1/2	201,022	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,202	3/4	171,273	3/4	186,314	3/4	201,335	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,516	5	171,587	5	186,627	5	201,648	5		5		5		5		5		5	
1/4	156,830	1/4	171,901	1/4	186,940	1/4	201,960	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,144	1/2	172,215	1/2	187,253	1/2	202,271	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,458	3/4	172,529	3/4	187,566	3/4	202,582	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,772	6	172,843	6	187,879	6	202,894	6		6		6		6		6		6	
1/4	158,086	1/4	173,157	1/4	188,192	1/4	203,203	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,400	1/2	173,471	1/2	188,505	1/2	203,513	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,714	3/4	173,785	3/4	188,818	3/4	203,823	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,028	7	174,099	7	189,131	7	204,133	7		7		7		7		7		7	
1/4	159,342	1/4	174,413	1/4	189,444	1/4	204,443	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,656	1/2	174,727	1/2	189,757	1/2	204,753	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,970	3/4	175,041	3/4	190,070	3/4	205,063	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,284	8	175,355	8	190,383	8	205,373	8		8		8		8		8		8	
1/4	160,598	1/4	175,669	1/4	190,696	1/4	205,683	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,912	1/2	175,983	1/2	191,008	1/2	205,993	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,226	3/4	176,297	3/4	191,321	3/4	206,303	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,540	9	176,611	9	191,634	9	206,613	9		9		9		9		9		9	
1/4	161,854	1/4	176,925	1/4	191,947	1/4	206,922	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,168	1/2	177,238	1/2	192,260	1/2	207,232	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,482	3/4	177,552	3/4	192,573	3/4	207,542	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,796	10	177,865	10	192,886	10	207,852	10		10		10		10		10		10	
1/4	163,110	1/4	178,178	1/4	193,199	1/4	208,162	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,424	1/2	178,491	1/2	193,512	1/2	208,471	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,738	3/4	178,804	3/4	193,825	3/4	208,781	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,052	11	179,117	11	194,138	11	209,090	11		11		11		11		11		11	
1/4	164,366	1/4	179,430	1/4	194,451	1/4	209,396	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,680	1/2	179,743	1/2	194,764	1/2	209,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,994	3/4	180,056	3/4	195,077	3/4	210,007	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2019 CL  
CALCULATED: 10/10/2019 CL  
PRINTED: 10/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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





# BARGE "HSM 3022"

## 2 STBD INNAGE 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	1,032	0	15,707	0	30,781	0	45,836	0	60,897	0	75,973	0	91,048	0	106,124	0	121,195	0	136,263
1/4	1,268	1/4	16,021	1/4	31,095	1/4	46,149	1/4	61,211	1/4	76,287	1/4	91,363	1/4	106,438	1/4	121,509	1/4	136,577
1/2	1,504	1/2	16,335	1/2	31,409	1/2	46,462	1/2	61,525	1/2	76,601	1/2	91,677	1/2	106,752	1/2	121,823	1/2	136,891
3/4	1,739	3/4	16,649	3/4	31,723	3/4	46,775	3/4	61,839	3/4	76,915	3/4	91,991	3/4	107,066	3/4	122,136	3/4	137,205
1	1,975	1	16,964	1	32,037	1	47,089	1	62,153	1	77,229	1	92,305	1	107,381	1	122,450	1	137,519
1/4	2,268	1/4	17,278	1/4	32,351	1/4	47,402	1/4	62,467	1/4	77,543	1/4	92,619	1/4	107,695	1/4	122,764	1/4	137,833
1/2	2,562	1/2	17,592	1/2	32,665	1/2	47,715	1/2	62,781	1/2	77,857	1/2	92,933	1/2	108,009	1/2	123,078	1/2	138,146
3/4	2,856	3/4	17,906	3/4	32,979	3/4	48,028	3/4	63,095	3/4	78,171	3/4	93,247	3/4	108,323	3/4	123,392	3/4	138,460
2	3,149	2	18,220	2	33,293	2	48,341	2	63,409	2	78,485	2	93,561	2	108,637	2	123,706	2	138,774
1/4	3,462	1/4	18,534	1/4	33,607	1/4	48,654	1/4	63,724	1/4	78,799	1/4	93,875	1/4	108,951	1/4	124,020	1/4	139,088
1/2	3,775	1/2	18,848	1/2	33,921	1/2	48,968	1/2	64,038	1/2	79,113	1/2	94,189	1/2	109,265	1/2	124,334	1/2	139,402
3/4	4,088	3/4	19,162	3/4	34,236	3/4	49,281	3/4	64,352	3/4	79,428	3/4	94,503	3/4	109,579	3/4	124,648	3/4	139,716
3	4,402	3	19,476	3	34,550	3	49,594	3	64,666	3	79,742	3	94,817	3	109,893	3	124,962	3	140,030
1/4	4,715	1/4	19,790	1/4	34,864	1/4	49,908	1/4	64,980	1/4	80,056	1/4	95,131	1/4	110,207	1/4	125,276	1/4	140,344
1/2	5,029	1/2	20,104	1/2	35,178	1/2	50,221	1/2	65,294	1/2	80,370	1/2	95,446	1/2	110,521	1/2	125,590	1/2	140,658
3/4	5,343	3/4	20,418	3/4	35,492	3/4	50,534	3/4	65,608	3/4	80,684	3/4	95,760	3/4	110,835	3/4	125,903	3/4	140,972
4	5,657	4	20,732	4	35,806	4	50,848	4	65,922	4	80,998	4	96,074	4	111,149	4	126,217	4	141,286
1/4	5,971	1/4	21,047	1/4	36,120	1/4	51,161	1/4	66,236	1/4	81,312	1/4	96,388	1/4	111,463	1/4	126,531	1/4	141,600
1/2	6,285	1/2	21,361	1/2	36,434	1/2	51,475	1/2	66,550	1/2	81,626	1/2	96,702	1/2	111,777	1/2	126,845	1/2	141,913
3/4	6,599	3/4	21,675	3/4	36,748	3/4	51,789	3/4	66,864	3/4	81,940	3/4	97,016	3/4	112,091	3/4	127,159	3/4	142,227
5	6,913	5	21,989	5	37,062	5	52,103	5	67,178	5	82,254	5	97,330	5	112,405	5	127,473	5	142,541
1/4	7,227	1/4	22,303	1/4	37,376	1/4	52,417	1/4	67,493	1/4	82,568	1/4	97,644	1/4	112,719	1/4	127,787	1/4	142,855
1/2	7,541	1/2	22,617	1/2	37,690	1/2	52,731	1/2	67,807	1/2	82,882	1/2	97,958	1/2	113,033	1/2	128,101	1/2	143,169
3/4	7,855	3/4	22,931	3/4	38,004	3/4	53,045	3/4	68,121	3/4	83,196	3/4	98,272	3/4	113,347	3/4	128,415	3/4	143,483
6	8,169	6	23,245	6	38,319	6	53,359	6	68,435	6	83,511	6	98,586	6	113,661	6	128,729	6	143,797
1/4	8,483	1/4	23,559	1/4	38,632	1/4	53,673	1/4	68,749	1/4	83,825	1/4	98,900	1/4	113,974	1/4	129,043	1/4	144,111
1/2	8,798	1/2	23,873	1/2	38,946	1/2	53,987	1/2	69,063	1/2	84,139	1/2	99,214	1/2	114,288	1/2	129,357	1/2	144,425
3/4	9,112	3/4	24,187	3/4	39,259	3/4	54,301	3/4	69,377	3/4	84,453	3/4	99,529	3/4	114,602	3/4	129,671	3/4	144,739
7	9,426	7	24,501	7	39,573	7	54,615	7	69,691	7	84,767	7	99,843	7	114,916	7	129,984	7	145,053
1/4	9,740	1/4	24,816	1/4	39,886	1/4	54,929	1/4	70,005	1/4	85,081	1/4	100,157	1/4	115,230	1/4	130,298	1/4	145,367
1/2	10,054	1/2	25,130	1/2	40,199	1/2	55,243	1/2	70,319	1/2	85,395	1/2	100,471	1/2	115,544	1/2	130,612	1/2	145,681
3/4	10,368	3/4	25,444	3/4	40,512	3/4	55,558	3/4	70,633	3/4	85,709	3/4	100,785	3/4	115,858	3/4	130,926	3/4	145,994
8	10,682	8	25,758	8	40,826	8	55,872	8	70,947	8	86,023	8	101,099	8	116,172	8	131,240	8	146,308
1/4	10,996	1/4	26,072	1/4	41,139	1/4	56,186	1/4	71,261	1/4	86,337	1/4	101,413	1/4	116,486	1/4	131,554	1/4	146,622
1/2	11,310	1/2	26,386	1/2	41,452	1/2	56,500	1/2	71,576	1/2	86,651	1/2	101,727	1/2	116,800	1/2	131,868	1/2	146,936
3/4	11,624	3/4	26,700	3/4	41,765	3/4	56,814	3/4	71,890	3/4	86,965	3/4	102,041	3/4	117,114	3/4	132,182	3/4	147,250
9	11,938	9	27,014	9	42,078	9	57,128	9	72,204	9	87,279	9	102,355	9	117,428	9	132,496	9	147,564
1/4	12,252	1/4	27,328	1/4	42,391	1/4	57,442	1/4	72,518	1/4	87,594	1/4	102,669	1/4	117,742	1/4	132,810	1/4	147,878
1/2	12,566	1/2	27,641	1/2	42,705	1/2	57,756	1/2	72,832	1/2	87,908	1/2	102,983	1/2	118,055	1/2	133,124	1/2	148,192
3/4	12,881	3/4	27,955	3/4	43,018	3/4	58,070	3/4	73,146	3/4	88,222	3/4	103,298	3/4	118,369	3/4	133,438	3/4	148,506
10	13,195	10	28,269	10	43,331	10	58,384	10	73,460	10	88,536	10	103,612	10	118,683	10	133,752	10	148,820
1/4	13,509	1/4	28,583	1/4	43,644	1/4	58,698	1/4	73,774	1/4	88,850	1/4	103,926	1/4	118,997	1/4	134,065	1/4	149,134
1/2	13,823	1/2	28,897	1/2	43,957	1/2	59,012	1/2	74,088	1/2	89,164	1/2	104,240	1/2	119,311	1/2	134,379	1/2	149,448
3/4	14,137	3/4	29,211	3/4	44,270	3/4	59,326	3/4	74,402	3/4	89,478	3/4	104,554	3/4	119,625	3/4	134,693	3/4	149,762
11	14,451	11	29,525	11	44,583	11	59,641	11	74,716	11	89,792	11	104,868	11	119,939	11	135,007	11	150,075
1/4	14,765	1/4	29,839	1/4	44,897	1/4	59,955	1/4	75,030	1/4	90,106	1/4	105,182	1/4	120,253	1/4	135,321	1/4	150,389
1/2	15,079	1/2	30,153	1/2	45,210	1/2	60,269	1/2	75,344	1/2	90,420	1/2	105,496	1/2	120,567	1/2	135,635	1/2	150,703
3/4	15,393	3/4	30,467	3/4	45,523	3/4	60,583	3/4	75,659	3/4	90,734	3/4	105,810	3/4	120,881	3/4	135,949	3/4	151,017

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 INNAGE 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 3022"

**2 STBD  
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

**GAUGE HEIGHT 15'-04 3/4"**

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	151,645	1/4	166,713	1/4	181,770	1/4	196,787	1/4	211,674	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,959	1/2	167,027	1/2	182,083	1/2	197,100	1/2	211,954	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,273	3/4	167,341	3/4	182,396	3/4	197,413	3/4	212,234	3/4		3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>152,587</b>	<b>1</b>	<b>167,655</b>	<b>1</b>	<b>182,708</b>	<b>1</b>	<b>197,725</b>	<b>1</b>	<b>212,514</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
1/4	152,901	1/4	167,969	1/4	183,021	1/4	198,038	1/4	212,745	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,215	1/2	168,283	1/2	183,334	1/2	198,351	1/2	212,977	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,529	3/4	168,597	3/4	183,647	3/4	198,664	3/4	213,208	3/4		3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>153,843</b>	<b>2</b>	<b>168,911</b>	<b>2</b>	<b>183,960</b>	<b>2</b>	<b>198,977</b>	<b>2</b>	<b>213,440</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
1/4	154,156	1/4	169,225	1/4	184,273	1/4	199,290	1/4	213,619	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,470	1/2	169,539	1/2	184,586	1/2	199,603	1/2	213,798	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,784	3/4	169,853	3/4	184,898	3/4	199,915	3/4	213,977	3/4		3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>155,098</b>	<b>3</b>	<b>170,166</b>	<b>3</b>	<b>185,211</b>	<b>3</b>	<b>200,228</b>	<b>3</b>	<b>214,156</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
1/4	155,412	1/4	170,480	1/4	185,524	1/4	200,541	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,726	1/2	170,794	1/2	185,837	1/2	200,854	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,040	3/4	171,108	3/4	186,150	3/4	201,167	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>156,354</b>	<b>4</b>	<b>171,422</b>	<b>4</b>	<b>186,463</b>	<b>4</b>	<b>201,480</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
1/4	156,668	1/4	171,736	1/4	186,776	1/4	201,793	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,982	1/2	172,050	1/2	187,088	1/2	202,105	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,296	3/4	172,364	3/4	187,401	3/4	202,418	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>157,610</b>	<b>5</b>	<b>172,678</b>	<b>5</b>	<b>187,714</b>	<b>5</b>	<b>202,731</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
1/4	157,923	1/4	172,992	1/4	188,027	1/4	203,042	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,237	1/2	173,306	1/2	188,340	1/2	203,354	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,551	3/4	173,620	3/4	188,653	3/4	203,665	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>158,865</b>	<b>6</b>	<b>173,933</b>	<b>6</b>	<b>188,965</b>	<b>6</b>	<b>203,976</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
1/4	159,179	1/4	174,247	1/4	189,278	1/4	204,286	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,493	1/2	174,561	1/2	189,591	1/2	204,596	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,807	3/4	174,875	3/4	189,904	3/4	204,906	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>160,121</b>	<b>7</b>	<b>175,189</b>	<b>7</b>	<b>190,217</b>	<b>7</b>	<b>205,215</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>
1/4	160,435	1/4	175,503	1/4	190,530	1/4	205,525	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,749	1/2	175,817	1/2	190,843	1/2	205,835	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,063	3/4	176,131	3/4	191,155	3/4	206,145	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>161,377</b>	<b>8</b>	<b>176,445</b>	<b>8</b>	<b>191,468</b>	<b>8</b>	<b>206,455</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
1/4	161,691	1/4	176,759	1/4	191,781	1/4	206,765	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,004	1/2	177,073	1/2	192,094	1/2	207,075	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,318	3/4	177,387	3/4	192,407	3/4	207,385	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>162,632</b>	<b>9</b>	<b>177,701</b>	<b>9</b>	<b>192,720</b>	<b>9</b>	<b>207,694</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
1/4	162,946	1/4	178,014	1/4	193,033	1/4	208,004	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,260	1/2	178,327	1/2	193,345	1/2	208,314	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,574	3/4	178,641	3/4	193,658	3/4	208,624	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>163,888</b>	<b>10</b>	<b>178,954</b>	<b>10</b>	<b>193,971</b>	<b>10</b>	<b>208,934</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
1/4	164,202	1/4	179,267	1/4	194,284	1/4	209,243	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,516	1/2	179,580	1/2	194,597	1/2	209,553	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,830	3/4	179,893	3/4	194,910	3/4	209,862	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>165,144</b>	<b>11</b>	<b>180,206</b>	<b>11</b>	<b>195,223</b>	<b>11</b>	<b>210,171</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
1/4	165,458	1/4	180,518	1/4	195,535	1/4	210,477	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,772	1/2	180,831	1/2	195,848	1/2	210,783	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,085	3/4	181,144	3/4	196,161	3/4	211,089	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2019 CL  
CALCULATED: 10/10/2019 CL  
PRINTED: 10/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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



# BARGE "HSM 3022"

## 3 PORT INNAGE 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	1,028	0	15,638	0	30,631	0	45,395	0	59,957	0	74,871	0	89,842	0	104,824	0	119,796	0	134,765
1/4	1,263	1/4	15,950	1/4	30,943	1/4	45,697	1/4	60,269	1/4	75,181	1/4	90,154	1/4	105,136	1/4	120,108	1/4	135,077
1/2	1,498	1/2	16,263	1/2	31,256	1/2	45,999	1/2	60,581	1/2	75,492	1/2	90,466	1/2	105,449	1/2	120,420	1/2	135,389
3/4	1,732	3/4	16,575	3/4	31,568	3/4	46,301	3/4	60,893	3/4	75,802	3/4	90,778	3/4	105,761	3/4	120,732	3/4	135,701
1	1,967	1	16,887	1	31,881	1	46,602	1	61,205	1	76,112	1	91,090	1	106,073	1	121,044	1	136,013
1/4	2,259	1/4	17,200	1/4	32,193	1/4	46,904	1/4	61,517	1/4	76,423	1/4	91,402	1/4	106,385	1/4	121,356	1/4	136,325
1/2	2,552	1/2	17,512	1/2	32,505	1/2	47,207	1/2	61,829	1/2	76,733	1/2	91,714	1/2	106,697	1/2	121,668	1/2	136,637
3/4	2,845	3/4	17,825	3/4	32,818	3/4	47,509	3/4	62,141	3/4	77,044	3/4	92,026	3/4	107,009	3/4	121,979	3/4	136,948
2	3,137	2	18,137	2	33,130	2	47,811	2	62,453	2	77,354	2	92,338	2	107,322	2	122,291	2	137,260
1/4	3,449	1/4	18,449	1/4	33,442	1/4	48,113	1/4	62,764	1/4	77,665	1/4	92,650	1/4	107,634	1/4	122,603	1/4	137,572
1/2	3,761	1/2	18,762	1/2	33,755	1/2	48,416	1/2	63,075	1/2	77,977	1/2	92,962	1/2	107,946	1/2	122,915	1/2	137,884
3/4	4,073	3/4	19,074	3/4	34,067	3/4	48,718	3/4	63,386	3/4	78,288	3/4	93,274	3/4	108,257	3/4	123,227	3/4	138,196
3	4,385	3	19,387	3	34,380	3	49,021	3	63,698	3	78,599	3	93,586	3	108,569	3	123,539	3	138,508
1/4	4,697	1/4	19,699	1/4	34,692	1/4	49,324	1/4	64,008	1/4	78,912	1/4	93,898	1/4	108,881	1/4	123,851	1/4	138,820
1/2	5,010	1/2	20,011	1/2	35,003	1/2	49,626	1/2	64,318	1/2	79,224	1/2	94,210	1/2	109,193	1/2	124,162	1/2	139,131
3/4	5,322	3/4	20,324	3/4	35,315	3/4	49,929	3/4	64,629	3/4	79,536	3/4	94,522	3/4	109,505	3/4	124,474	3/4	139,443
4	5,635	4	20,636	4	35,627	4	50,231	4	64,939	4	79,849	4	94,834	4	109,817	4	124,786	4	139,755
1/4	5,948	1/4	20,949	1/4	35,935	1/4	50,534	1/4	65,249	1/4	80,161	1/4	95,146	1/4	110,129	1/4	125,098	1/4	140,067
1/2	6,260	1/2	21,261	1/2	36,244	1/2	50,836	1/2	65,560	1/2	80,473	1/2	95,458	1/2	110,441	1/2	125,410	1/2	140,379
3/4	6,573	3/4	21,573	3/4	36,552	3/4	51,139	3/4	65,870	3/4	80,786	3/4	95,770	3/4	110,753	3/4	125,722	3/4	140,691
5	6,885	5	21,886	5	36,860	5	51,441	5	66,181	5	81,098	5	96,082	5	111,065	5	126,034	5	141,002
1/4	7,198	1/4	22,198	1/4	37,165	1/4	51,744	1/4	66,491	1/4	81,410	1/4	96,394	1/4	111,376	1/4	126,345	1/4	141,314
1/2	7,510	1/2	22,511	1/2	37,470	1/2	52,046	1/2	66,801	1/2	81,723	1/2	96,706	1/2	111,688	1/2	126,657	1/2	141,625
3/4	7,823	3/4	22,823	3/4	37,775	3/4	52,349	3/4	67,112	3/4	82,035	3/4	97,018	3/4	112,000	3/4	126,969	3/4	141,937
6	8,136	6	23,135	6	38,080	6	52,651	6	67,422	6	82,347	6	97,330	6	112,312	6	127,281	6	142,249
1/4	8,449	1/4	23,448	1/4	38,385	1/4	52,954	1/4	67,732	1/4	82,660	1/4	97,642	1/4	112,624	1/4	127,593	1/4	142,556
1/2	8,761	1/2	23,760	1/2	38,690	1/2	53,256	1/2	68,043	1/2	82,972	1/2	97,954	1/2	112,936	1/2	127,905	1/2	142,863
3/4	9,074	3/4	24,073	3/4	38,996	3/4	53,559	3/4	68,353	3/4	83,284	3/4	98,266	3/4	113,247	3/4	128,217	3/4	143,170
7	9,387	7	24,385	7	39,301	7	53,862	7	68,664	7	83,597	7	98,579	7	113,559	7	128,528	7	143,477
1/4	9,700	1/4	24,697	1/4	39,606	1/4	54,164	1/4	68,974	1/4	83,909	1/4	98,891	1/4	113,871	1/4	128,840	1/4	143,772
1/2	10,013	1/2	25,010	1/2	39,911	1/2	54,467	1/2	69,284	1/2	84,221	1/2	99,203	1/2	114,183	1/2	129,152	1/2	144,067
3/4	10,326	3/4	25,322	3/4	40,216	3/4	54,769	3/4	69,595	3/4	84,534	3/4	99,515	3/4	114,495	3/4	129,464	3/4	144,361
8	10,638	8	25,635	8	40,521	8	55,072	8	69,905	8	84,846	8	99,828	8	114,807	8	129,776	8	144,656
1/4	10,951	1/4	25,947	1/4	40,826	1/4	55,374	1/4	70,215	1/4	85,158	1/4	100,140	1/4	115,119	1/4	130,088	1/4	144,935
1/2	11,264	1/2	26,259	1/2	41,131	1/2	55,677	1/2	70,526	1/2	85,471	1/2	100,452	1/2	115,430	1/2	130,400	1/2	145,213
3/4	11,576	3/4	26,572	3/4	41,436	3/4	55,979	3/4	70,836	3/4	85,783	3/4	100,764	3/4	115,742	3/4	130,711	3/4	145,492
9	11,889	9	26,884	9	41,741	9	56,282	9	71,147	9	86,095	9	101,077	9	116,054	9	131,023	9	145,771
1/4	12,201	1/4	27,196	1/4	42,046	1/4	56,586	1/4	71,457	1/4	86,408	1/4	101,389	1/4	116,366	1/4	131,335	1/4	146,034
1/2	12,514	1/2	27,508	1/2	42,351	1/2	56,890	1/2	71,767	1/2	86,720	1/2	101,701	1/2	116,678	1/2	131,647	1/2	146,297
3/4	12,826	3/4	27,821	3/4	42,656	3/4	57,194	3/4	72,078	3/4	87,032	3/4	102,014	3/4	116,990	3/4	131,959	3/4	146,560
10	13,139	10	28,133	10	42,961	10	57,498	10	72,388	10	87,345	10	102,326	10	117,302	10	132,271	10	146,823
1/4	13,451	1/4	28,445	1/4	43,267	1/4	57,804	1/4	72,698	1/4	87,657	1/4	102,638	1/4	117,613	1/4	132,583	1/4	147,070
1/2	13,763	1/2	28,757	1/2	43,572	1/2	58,110	1/2	73,009	1/2	87,969	1/2	102,950	1/2	117,925	1/2	132,894	1/2	147,317
3/4	14,076	3/4	29,069	3/4	43,877	3/4	58,415	3/4	73,319	3/4	88,281	3/4	103,263	3/4	118,237	3/4	133,206	3/4	147,564
11	14,388	11	29,382	11	44,182	11	58,721	11	73,629	11	88,593	11	103,575	11	118,549	11	133,518	11	147,812
1/4	14,701	1/4	29,694	1/4	44,485	1/4	59,030	1/4	73,940	1/4	88,905	1/4	103,887	1/4	118,861	1/4	133,830	1/4	148,043
1/2	15,013	1/2	30,006	1/2	44,789	1/2	59,339	1/2	74,250	1/2	89,217	1/2	104,199	1/2	119,173	1/2	134,142	1/2	148,274
3/4	15,325	3/4	30,319	3/4	45,092	3/4	59,648	3/4	74,561	3/4	89,529	3/4	104,512	3/4	119,485	3/4	134,454	3/4	148,505

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 INNAGE 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 3022"

## 3 PORT INNAGE 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	148,736	0	159,121	0	169,485	0	179,819	0	190,139	0		0		0		0		0	
1/4	148,956	1/4	159,337	1/4	169,700	1/4	180,034	1/4	190,332	1/4		1/4		1/4		1/4		1/4	
1/2	149,176	1/2	159,553	1/2	169,915	1/2	180,250	1/2	190,525	1/2		1/2		1/2		1/2		1/2	
3/4	149,395	3/4	159,770	3/4	170,131	3/4	180,465	3/4	190,718	3/4		3/4		3/4		3/4		3/4	
1	149,615	1	159,986	1	170,346	1	180,680	1	190,911	1		1		1		1		1	
1/4	149,831	1/4	160,202	1/4	170,561	1/4	180,896	1/4	191,071	1/4		1/4		1/4		1/4		1/4	
1/2	150,047	1/2	160,418	1/2	170,776	1/2	181,111	1/2	191,231	1/2		1/2		1/2		1/2		1/2	
3/4	150,263	3/4	160,634	3/4	170,992	3/4	181,326	3/4	191,390	3/4		3/4		3/4		3/4		3/4	
2	150,479	2	160,850	2	171,207	2	181,541	2	191,550	2		2		2		2		2	
1/4	150,695	1/4	161,066	1/4	171,422	1/4	181,757	1/4	191,674	1/4		1/4		1/4		1/4		1/4	
1/2	150,911	1/2	161,282	1/2	171,638	1/2	181,972	1/2	191,797	1/2		1/2		1/2		1/2		1/2	
3/4	151,127	3/4	161,498	3/4	171,853	3/4	182,187	3/4	191,921	3/4		3/4		3/4		3/4		3/4	
3	151,343	3	161,714	3	172,068	3	182,403	3	192,045	3		3		3		3		3	
1/4	151,559	1/4	161,930	1/4	172,284	1/4	182,618	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,775	1/2	162,146	1/2	172,499	1/2	182,833	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,991	3/4	162,362	3/4	172,714	3/4	183,048	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,207	4	162,578	4	172,929	4	183,264	4		4		4		4		4		4	
1/4	152,423	1/4	162,794	1/4	173,145	1/4	183,479	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,640	1/2	163,010	1/2	173,360	1/2	183,694	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,856	3/4	163,226	3/4	173,575	3/4	183,910	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,072	5	163,443	5	173,791	5	184,125	5		5		5		5		5		5	
1/4	153,288	1/4	163,659	1/4	174,006	1/4	184,340	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,504	1/2	163,875	1/2	174,221	1/2	184,556	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,720	3/4	164,091	3/4	174,437	3/4	184,771	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,936	6	164,307	6	174,652	6	184,986	6		6		6		6		6		6	
1/4	154,152	1/4	164,523	1/4	174,867	1/4	185,201	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,368	1/2	164,739	1/2	175,082	1/2	185,417	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,584	3/4	164,955	3/4	175,298	3/4	185,632	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,800	7	165,171	7	175,513	7	185,847	7		7		7		7		7		7	
1/4	155,016	1/4	165,387	1/4	175,728	1/4	186,063	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,232	1/2	165,603	1/2	175,944	1/2	186,278	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,448	3/4	165,819	3/4	176,159	3/4	186,493	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,664	8	166,035	8	176,374	8	186,709	8		8		8		8		8		8	
1/4	155,880	1/4	166,251	1/4	176,590	1/4	186,924	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,097	1/2	166,467	1/2	176,805	1/2	187,140	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,313	3/4	166,683	3/4	177,020	3/4	187,355	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,529	9	166,900	9	177,235	9	187,570	9		9		9		9		9		9	
1/4	156,745	1/4	167,115	1/4	177,451	1/4	187,786	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,961	1/2	167,331	1/2	177,666	1/2	188,001	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,177	3/4	167,547	3/4	177,881	3/4	188,217	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,393	10	167,762	10	178,097	10	188,432	10		10		10		10		10		10	
1/4	157,609	1/4	167,978	1/4	178,312	1/4	188,647	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,825	1/2	168,193	1/2	178,527	1/2	188,862	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,041	3/4	168,408	3/4	178,743	3/4	189,077	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,257	11	168,623	11	178,958	11	189,292	11		11		11		11		11		11	
1/4	158,473	1/4	168,839	1/4	179,173	1/4	189,504	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,689	1/2	169,054	1/2	179,388	1/2	189,715	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,905	3/4	169,269	3/4	179,604	3/4	189,927	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2019 CL  
CALCULATED: 10/10/2019 CL  
PRINTED: 10/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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



# BARGE "HSM 3022"

## 3 STBD INNAGE 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	1,029	0	15,654	0	30,679	0	45,688	0	60,711	0	75,736	0	90,762	0	105,787	0	120,795	0	135,801
1/4	1,264	1/4	15,967	1/4	30,992	1/4	46,000	1/4	61,024	1/4	76,049	1/4	91,075	1/4	106,100	1/4	121,108	1/4	136,113
1/2	1,498	1/2	16,280	1/2	31,305	1/2	46,313	1/2	61,337	1/2	76,362	1/2	91,388	1/2	106,413	1/2	121,421	1/2	136,426
3/4	1,733	3/4	16,593	3/4	31,618	3/4	46,626	3/4	61,650	3/4	76,675	3/4	91,701	3/4	106,726	3/4	121,733	3/4	136,738
1	1,968	1	16,906	1	31,931	1	46,939	1	61,963	1	76,989	1	92,014	1	107,039	1	122,046	1	137,051
1/4	2,260	1/4	17,219	1/4	32,244	1/4	47,251	1/4	62,276	1/4	77,302	1/4	92,327	1/4	107,352	1/4	122,358	1/4	137,364
1/2	2,553	1/2	17,532	1/2	32,557	1/2	47,564	1/2	62,589	1/2	77,615	1/2	92,640	1/2	107,665	1/2	122,671	1/2	137,676
3/4	2,846	3/4	17,845	3/4	32,870	3/4	47,877	3/4	62,902	3/4	77,928	3/4	92,953	3/4	107,978	3/4	122,984	3/4	137,989
2	3,138	2	18,158	2	33,183	2	48,190	2	63,215	2	78,241	2	93,266	2	108,290	2	123,296	2	138,301
1/4	3,451	1/4	18,471	1/4	33,496	1/4	48,503	1/4	63,528	1/4	78,554	1/4	93,579	1/4	108,603	1/4	123,609	1/4	138,614
1/2	3,763	1/2	18,784	1/2	33,809	1/2	48,816	1/2	63,841	1/2	78,867	1/2	93,892	1/2	108,916	1/2	123,922	1/2	138,927
3/4	4,075	3/4	19,097	3/4	34,122	3/4	49,129	3/4	64,154	3/4	79,180	3/4	94,205	3/4	109,229	3/4	124,234	3/4	139,239
3	4,387	3	19,410	3	34,435	3	49,442	3	64,467	3	79,493	3	94,518	3	109,541	3	124,547	3	139,552
1/4	4,699	1/4	19,723	1/4	34,748	1/4	49,755	1/4	64,781	1/4	79,806	1/4	94,831	1/4	109,854	1/4	124,859	1/4	139,865
1/2	5,012	1/2	20,036	1/2	35,061	1/2	50,068	1/2	65,094	1/2	80,119	1/2	95,144	1/2	110,167	1/2	125,172	1/2	140,177
3/4	5,325	3/4	20,349	3/4	35,373	3/4	50,381	3/4	65,407	3/4	80,432	3/4	95,457	3/4	110,479	3/4	125,485	3/4	140,490
4	5,638	4	20,662	4	35,686	4	50,694	4	65,720	4	80,745	4	95,770	4	110,792	4	125,797	4	140,802
1/4	5,951	1/4	20,975	1/4	35,999	1/4	51,007	1/4	66,033	1/4	81,058	1/4	96,083	1/4	111,105	1/4	126,110	1/4	141,115
1/2	6,264	1/2	21,288	1/2	36,311	1/2	51,320	1/2	66,346	1/2	81,371	1/2	96,396	1/2	111,417	1/2	126,422	1/2	141,427
3/4	6,577	3/4	21,601	3/4	36,624	3/4	51,633	3/4	66,659	3/4	81,684	3/4	96,709	3/4	111,730	3/4	126,735	3/4	141,740
5	6,890	5	21,914	5	36,936	5	51,946	5	66,972	5	81,997	5	97,022	5	112,042	5	127,048	5	142,053
1/4	7,203	1/4	22,227	1/4	37,249	1/4	52,259	1/4	67,285	1/4	82,310	1/4	97,335	1/4	112,355	1/4	127,360	1/4	142,365
1/2	7,516	1/2	22,540	1/2	37,561	1/2	52,573	1/2	67,598	1/2	82,623	1/2	97,648	1/2	112,668	1/2	127,673	1/2	142,677
3/4	7,829	3/4	22,853	3/4	37,874	3/4	52,886	3/4	67,911	3/4	82,936	3/4	97,961	3/4	112,980	3/4	127,985	3/4	142,989
6	8,142	6	23,166	6	38,186	6	53,199	6	68,224	6	83,249	6	98,274	6	113,293	6	128,298	6	143,302
1/4	8,455	1/4	23,480	1/4	38,499	1/4	53,512	1/4	68,537	1/4	83,562	1/4	98,587	1/4	113,605	1/4	128,611	1/4	143,610
1/2	8,768	1/2	23,793	1/2	38,811	1/2	53,825	1/2	68,850	1/2	83,875	1/2	98,900	1/2	113,918	1/2	128,923	1/2	143,918
3/4	9,081	3/4	24,106	3/4	39,124	3/4	54,138	3/4	69,163	3/4	84,188	3/4	99,213	3/4	114,231	3/4	129,236	3/4	144,225
7	9,394	7	24,419	7	39,437	7	54,451	7	69,476	7	84,501	7	99,526	7	114,543	7	129,548	7	144,533
1/4	9,707	1/4	24,732	1/4	39,749	1/4	54,764	1/4	69,789	1/4	84,814	1/4	99,839	1/4	114,856	1/4	129,861	1/4	144,829
1/2	10,020	1/2	25,045	1/2	40,062	1/2	55,077	1/2	70,102	1/2	85,127	1/2	100,152	1/2	115,168	1/2	130,174	1/2	145,124
3/4	10,333	3/4	25,358	3/4	40,374	3/4	55,390	3/4	70,415	3/4	85,440	3/4	100,465	3/4	115,481	3/4	130,486	3/4	145,420
8	10,646	8	25,671	8	40,687	8	55,703	8	70,728	8	85,753	8	100,778	8	115,794	8	130,799	8	145,715
1/4	10,959	1/4	25,984	1/4	40,999	1/4	56,016	1/4	71,041	1/4	86,066	1/4	101,091	1/4	116,106	1/4	131,112	1/4	145,995
1/2	11,272	1/2	26,297	1/2	41,312	1/2	56,329	1/2	71,354	1/2	86,379	1/2	101,404	1/2	116,419	1/2	131,424	1/2	146,274
3/4	11,585	3/4	26,610	3/4	41,624	3/4	56,642	3/4	71,667	3/4	86,692	3/4	101,718	3/4	116,732	3/4	131,737	3/4	146,553
9	11,898	9	26,923	9	41,937	9	56,955	9	71,980	9	87,005	9	102,031	9	117,044	9	132,049	9	146,833
1/4	12,211	1/4	27,236	1/4	42,249	1/4	57,268	1/4	72,293	1/4	87,318	1/4	102,344	1/4	117,357	1/4	132,362	1/4	147,096
1/2	12,524	1/2	27,549	1/2	42,562	1/2	57,581	1/2	72,606	1/2	87,631	1/2	102,657	1/2	117,669	1/2	132,675	1/2	147,360
3/4	12,837	3/4	27,862	3/4	42,874	3/4	57,894	3/4	72,919	3/4	87,944	3/4	102,970	3/4	117,982	3/4	132,987	3/4	147,623
10	13,150	10	28,175	10	43,187	10	58,207	10	73,232	10	88,257	10	103,283	10	118,295	10	133,300	10	147,886
1/4	13,463	1/4	28,488	1/4	43,499	1/4	58,520	1/4	73,545	1/4	88,570	1/4	103,596	1/4	118,607	1/4	133,612	1/4	148,134
1/2	13,776	1/2	28,801	1/2	43,812	1/2	58,833	1/2	73,858	1/2	88,883	1/2	103,909	1/2	118,920	1/2	133,925	1/2	148,381
3/4	14,089	3/4	29,114	3/4	44,124	3/4	59,146	3/4	74,171	3/4	89,197	3/4	104,222	3/4	119,232	3/4	134,238	3/4	148,629
11	14,402	11	29,427	11	44,437	11	59,459	11	74,484	11	89,510	11	104,535	11	119,545	11	134,550	11	148,876
1/4	14,715	1/4	29,740	1/4	44,750	1/4	59,772	1/4	74,797	1/4	89,823	1/4	104,848	1/4	119,858	1/4	134,863	1/4	149,107
1/2	15,028	1/2	30,053	1/2	45,062	1/2	60,085	1/2	75,110	1/2	90,136	1/2	105,161	1/2	120,170	1/2	135,175	1/2	149,339
3/4	15,341	3/4	30,366	3/4	45,375	3/4	60,398	3/4	75,423	3/4	90,449	3/4	105,474	3/4	120,483	3/4	135,488	3/4	149,570

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 INNAGE 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 3022"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	150,021	1/4	160,405	1/4	170,770	1/4	181,106	1/4	191,406	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	150,241	1/2	160,621	1/2	170,985	1/2	181,321	1/2	191,599	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	150,460	3/4	160,837	3/4	171,200	3/4	181,537	3/4	191,792	3/4		3/4		3/4		3/4		3/4		3/4	
<b>1</b>	<b>150,680</b>	<b>1</b>	<b>161,053</b>	<b>1</b>	<b>171,416</b>	<b>1</b>	<b>181,752</b>	<b>1</b>	<b>191,986</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
1/4	150,896	1/4	161,269	1/4	171,631	1/4	181,968	1/4	192,145	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,112	1/2	161,485	1/2	171,846	1/2	182,183	1/2	192,305	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,328	3/4	161,701	3/4	172,062	3/4	182,398	3/4	192,465	3/4		3/4		3/4		3/4		3/4		3/4	
<b>2</b>	<b>151,544</b>	<b>2</b>	<b>161,917</b>	<b>2</b>	<b>172,277</b>	<b>2</b>	<b>182,614</b>	<b>2</b>	<b>192,624</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
1/4	151,760	1/4	162,134	1/4	172,492	1/4	182,829	1/4	192,748	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,977	1/2	162,350	1/2	172,708	1/2	183,044	1/2	192,872	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,193	3/4	162,566	3/4	172,923	3/4	183,260	3/4	192,996	3/4		3/4		3/4		3/4		3/4		3/4	
<b>3</b>	<b>152,409</b>	<b>3</b>	<b>162,782</b>	<b>3</b>	<b>173,138</b>	<b>3</b>	<b>183,475</b>	<b>3</b>	<b>193,119</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>
1/4	152,625	1/4	162,998	1/4	173,354	1/4	183,690	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,841	1/2	163,214	1/2	173,569	1/2	183,906	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,057	3/4	163,430	3/4	173,784	3/4	184,121	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>4</b>	<b>153,273</b>	<b>4</b>	<b>163,646</b>	<b>4</b>	<b>174,000</b>	<b>4</b>	<b>184,336</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
1/4	153,489	1/4	163,862	1/4	174,215	1/4	184,552	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,705	1/2	164,079	1/2	174,430	1/2	184,767	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,922	3/4	164,295	3/4	174,646	3/4	184,982	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>5</b>	<b>154,138</b>	<b>5</b>	<b>164,511</b>	<b>5</b>	<b>174,861</b>	<b>5</b>	<b>185,198</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>
1/4	154,354	1/4	164,727	1/4	175,076	1/4	185,413	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,570	1/2	164,943	1/2	175,292	1/2	185,628	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,786	3/4	165,159	3/4	175,507	3/4	185,844	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>6</b>	<b>155,002</b>	<b>6</b>	<b>165,375</b>	<b>6</b>	<b>175,722</b>	<b>6</b>	<b>186,059</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
1/4	155,218	1/4	165,591	1/4	175,938	1/4	186,274	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,434	1/2	165,807	1/2	176,153	1/2	186,490	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,650	3/4	166,024	3/4	176,369	3/4	186,705	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>7</b>	<b>155,866</b>	<b>7</b>	<b>166,240</b>	<b>7</b>	<b>176,584</b>	<b>7</b>	<b>186,921</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>
1/4	156,083	1/4	166,456	1/4	176,799	1/4	187,136	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,299	1/2	166,672	1/2	177,015	1/2	187,351	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,515	3/4	166,888	3/4	177,230	3/4	187,567	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>8</b>	<b>156,731</b>	<b>8</b>	<b>167,104</b>	<b>8</b>	<b>177,445</b>	<b>8</b>	<b>187,782</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>
1/4	156,947	1/4	167,320	1/4	177,661	1/4	187,998	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,163	1/2	167,536	1/2	177,876	1/2	188,213	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,379	3/4	167,752	3/4	178,091	3/4	188,428	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>9</b>	<b>157,595</b>	<b>9</b>	<b>167,968</b>	<b>9</b>	<b>178,307</b>	<b>9</b>	<b>188,644</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>
1/4	157,811	1/4	168,184	1/4	178,522	1/4	188,859	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,028	1/2	168,400	1/2	178,737	1/2	189,075	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,244	3/4	168,616	3/4	178,953	3/4	189,290	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>10</b>	<b>158,460</b>	<b>10</b>	<b>168,831</b>	<b>10</b>	<b>179,168</b>	<b>10</b>	<b>189,506</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
1/4	158,676	1/4	169,047	1/4	179,383	1/4	189,721	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,892	1/2	169,262	1/2	179,599	1/2	189,936	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,108	3/4	169,477	3/4	179,814	3/4	190,151	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
<b>11</b>	<b>159,324</b>	<b>11</b>	<b>169,693</b>	<b>11</b>	<b>180,029</b>	<b>11</b>	<b>190,366</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
1/4	159,540	1/4	169,908	1/4	180,245	1/4	190,578	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,756	1/2	170,123	1/2	180,460	1/2	190,789	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,973	3/4	170,339	3/4	180,675	3/4	191,001	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/09/2019 CL  
CALCULATED: 10/10/2019 CL  
PRINTED: 10/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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



# BARGE "HSM 3022"

## PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1	1	1	1	1	1
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2	2	2	2	2	2
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3	3	3	3	3	3
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4	4	4	4	4	4
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5	5	5	5	5	5
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6	6	6	6	6	6
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7	7	7	7	7	7
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8	8	8	8	8	8
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9	9	9	9	9	9
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10	10	10	10	10	10
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11	11	11	11	11	11
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	3/4		3/4		3/4		3/4	3/4	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

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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



# BARGE "HSM 3022"

## STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-08"

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	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4	3/4	3/4		3/4	3/4
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1	1	1		1	1
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4	3/4	3/4		3/4	3/4
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2	2	2		2	2
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4	3/4	3/4		3/4	3/4
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3	3	3		3	3
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4	3/4	3/4		3/4	3/4
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4	4	4		4	4
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4	3/4	3/4		3/4	3/4
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5	5	5		5	5
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4	3/4	3/4		3/4	3/4
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6	6	6		6	6
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4	3/4	3/4		3/4	3/4
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7	7	7		7	7
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4	3/4	3/4		3/4	3/4
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8	8	8		8	8
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4	3/4	3/4		3/4	3/4
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9	9	9		9	9
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4	3/4	3/4		3/4	3/4
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10	10	10		10	10
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4	3/4	3/4		3/4	3/4
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11	11	11		11	11
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4	1/4	1/4		1/4	1/4
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2	1/2	1/2		1/2	1/2
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	3/4		3/4		3/4		3/4	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  
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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT

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ALL PRIOR TO 10/2019

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





# BARGE "HSM 3022"

## FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GUAGE HEIGHT 4'-06"

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	99	0	254	0	406	0		0		0		0		0		0	
1/4	1	1/4	102	1/4	257	1/4	409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	105	1/2	260	1/2	411	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	108	3/4	264	3/4	414	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	111	1	267	1	417	1		1		1		1		1		1	
1/4	4	1/4	114	1/4	270	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	117	1/2	274	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	120	3/4	277	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	123	2	280	2	428	2		2		2		2		2		2	
1/4	9	1/4	126	1/4	284	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	287	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	133	3/4	290	3/4	435	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	136	3	294	3	438	3		3		3		3		3		3	
1/4	15	1/4	139	1/4	297	1/4	441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	142	1/2	300	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	145	3/4	303	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	148	4	307	4	448	4		4		4		4		4		4	
1/4	22	1/4	152	1/4	310	1/4	450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	155	1/2	313	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	158	3/4	317	3/4	455	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	161	5	320	5	457	5		5		5		5		5		5	
1/4	30	1/4	164	1/4	323	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	168	1/2	326	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	171	3/4	330	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	174	6	333	6	466	6		6		6		6		6		6	
1/4	39	1/4	177	1/4	336	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41	1/2	181	1/2	339	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	184	3/4	342	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	187	7	346	7	474	7		7		7		7		7		7	
1/4	48	1/4	190	1/4	349	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	194	1/2	352	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	197	3/4	355	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	200	8	358	8	481	8		8		8		8		8		8	
1/4	58	1/4	204	1/4	361	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	207	1/2	364	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	210	3/4	367	3/4	485	3/4		3/4		3/4		3/4		3/4		3/4	
9	66	9	214	9	370	9	487	9		9		9		9		9		9	
1/4	69	1/4	217	1/4	373	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	220	1/2	376	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	224	3/4	380	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	227	10	383	10	491	10		10		10		10		10		10	
1/4	80	1/4	230	1/4	386	1/4	492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	234	1/2	388	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	85	3/4	237	3/4	391	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
11	88	11	240	11	394	11	494	11		11		11		11		11		11	
1/4	91	1/4	244	1/4	397	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	247	1/2	400	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	250	3/4	403	3/4		3/4		3/4		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: 10/09/2019 CL  
CALCULATED: 10/10/2019 CL  
PRINTED: 10/10/2019 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2019

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