



BARGE "HSM 4102"

INNAGE TRIM TABLE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

$$\begin{aligned} \text{FWD. DRAFT} &= 1'-00" \\ \text{AFT DRAFT} &= 5'-00" \\ \text{DIFF.} &= 4'-00" \quad (\text{DOWN BY STERN}) \end{aligned}$$

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 2, 2024

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

<http://www.pmacorp.net>



BARGE "HSM 4102"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

CAPACITIES GIVEN IN WHOLE GALLONS		0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	247	0	12,852	0	27,687	0	42,688	0	57,629	0	72,585	0	87,586	0	102,587	0	117,584	0	132,578		
1/4	403	1/4	13,149	1/4	28,000	1/4	43,000	1/4	57,939	1/4	72,898	1/4	87,899	1/4	102,900	1/4	117,896	1/4	132,891		
1/2	559	1/2	13,446	1/2	28,312	1/2	43,313	1/2	58,249	1/2	73,210	1/2	88,211	1/2	103,212	1/2	118,208	1/2	133,203		
3/4	714	3/4	13,743	3/4	28,625	3/4	43,625	3/4	58,559	3/4	73,523	3/4	88,524	3/4	103,525	3/4	118,521	3/4	133,515		
1	870	1	14,040	1	28,937	1	43,938	1	58,870	1	73,835	1	88,836	1	103,837	1	118,833	1	133,828		
1/4	1,097	1/4	14,341	1/4	29,250	1/4	44,250	1/4	59,180	1/4	74,148	1/4	89,149	1/4	104,150	1/4	119,146	1/4	134,140		
1/2	1,324	1/2	14,642	1/2	29,562	1/2	44,563	1/2	59,490	1/2	74,460	1/2	89,461	1/2	104,462	1/2	119,458	1/2	134,452		
3/4	1,552	3/4	14,942	3/4	29,875	3/4	44,875	3/4	59,800	3/4	74,773	3/4	89,774	3/4	104,775	3/4	119,770	3/4	134,765		
2	1,779	2	15,243	2	30,187	2	45,188	2	60,110	2	75,085	2	90,086	2	105,087	2	120,083	2	135,077		
1/4	2,038	1/4	15,547	1/4	30,500	1/4	45,500	1/4	60,420	1/4	75,398	1/4	90,399	1/4	105,400	1/4	120,395	1/4	135,390		
1/2	2,298	1/2	15,852	1/2	30,812	1/2	45,813	1/2	60,731	1/2	75,710	1/2	90,711	1/2	105,712	1/2	120,707	1/2	135,702		
3/4	2,557	3/4	16,156	3/4	31,125	3/4	46,125	3/4	61,041	3/4	76,023	3/4	91,024	3/4	106,025	3/4	121,020	3/4	136,014		
3	2,816	3	16,460	3	31,437	3	46,438	3	61,351	3	76,335	3	91,336	3	106,337	3	121,332	3	136,327		
1/4	3,080	1/4	16,768	1/4	31,750	1/4	46,750	1/4	61,661	1/4	76,648	1/4	91,649	1/4	106,650	1/4	121,645	1/4	136,639		
1/2	3,344	1/2	17,076	1/2	32,062	1/2	47,063	1/2	61,972	1/2	76,960	1/2	91,961	1/2	106,962	1/2	121,957	1/2	136,952		
3/4	3,608	3/4	17,384	3/4	32,375	3/4	47,375	3/4	62,282	3/4	77,273	3/4	92,274	3/4	107,275	3/4	122,269	3/4	137,264		
4	3,872	4	17,692	4	32,687	4	47,688	4	62,592	4	77,585	4	92,586	4	107,587	4	122,582	4	137,576		
1/4	4,140	1/4	18,003	1/4	33,000	1/4	48,000	1/4	62,903	1/4	77,898	1/4	92,899	1/4	107,900	1/4	122,894	1/4	137,889		
1/2	4,408	1/2	18,314	1/2	33,312	1/2	48,312	1/2	63,214	1/2	78,210	1/2	93,211	1/2	108,212	1/2	123,207	1/2	138,201		
3/4	4,675	3/4	18,626	3/4	33,625	3/4	48,624	3/4	63,525	3/4	78,523	3/4	93,524	3/4	108,524	3/4	123,519	3/4	138,513		
5	4,943	5	18,937	5	33,937	5	48,936	5	63,835	5	78,835	5	93,836	5	108,837	5	123,831	5	138,826		
1/4	5,215	1/4	19,249	1/4	34,250	1/4	49,247	1/4	64,148	1/4	79,148	1/4	94,149	1/4	109,149	1/4	124,144	1/4	139,138		
1/2	5,486	1/2	19,562	1/2	34,562	1/2	49,559	1/2	64,460	1/2	79,460	1/2	94,461	1/2	109,462	1/2	124,456	1/2	139,451		
3/4	5,758	3/4	19,874	3/4	34,875	3/4	49,870	3/4	64,772	3/4	79,773	3/4	94,774	3/4	109,774	3/4	124,769	3/4	139,763		
6	6,029	6	20,187	6	35,187	6	50,181	6	65,084	6	80,086	6	95,087	6	110,086	6	125,081	6	140,075		
1/4	6,305	1/4	20,499	1/4	35,500	1/4	50,492	1/4	65,397	1/4	80,398	1/4	95,399	1/4	110,399	1/4	125,393	1/4	140,388		
1/2	6,580	1/2	20,812	1/2	35,812	1/2	50,803	1/2	65,710	1/2	80,711	1/2	95,712	1/2	110,711	1/2	125,706	1/2	140,700		
3/4	6,855	3/4	21,124	3/4	36,125	3/4	51,114	3/4	66,022	3/4	81,023	3/4	96,024	3/4	111,024	3/4	126,018	3/4	141,013		
7	7,130	7	21,437	7	36,437	7	51,425	7	66,335	7	81,336	7	96,337	7	111,336	7	126,330	7	141,325		
1/4	7,409	1/4	21,749	1/4	36,750	1/4	51,735	1/4	66,647	1/4	81,648	1/4	96,649	1/4	111,648	1/4	126,643	1/4	141,637		
1/2	7,688	1/2	22,062	1/2	37,062	1/2	52,046	1/2	66,960	1/2	81,961	1/2	96,962	1/2	111,961	1/2	126,955	1/2	141,950		
3/4	7,967	3/4	22,374	3/4	37,375	3/4	52,356	3/4	67,272	3/4	82,273	3/4	97,274	3/4	112,273	3/4	127,268	3/4	142,262		
8	8,245	8	22,687	8	37,687	8	52,667	8	67,585	8	82,586	8	97,587	8	112,585	8	127,580	8	142,575		
1/4	8,528	1/4	22,999	1/4	38,000	1/4	52,977	1/4	67,897	1/4	82,898	1/4	97,899	1/4	112,898	1/4	127,892	1/4	142,887		
1/2	8,810	1/2	23,312	1/2	38,312	1/2	53,287	1/2	68,210	1/2	83,211	1/2	98,212	1/2	113,210	1/2	128,205	1/2	143,199		
3/4	9,093	3/4	23,624	3/4	38,625	3/4	53,597	3/4	68,522	3/4	83,523	3/4	98,524	3/4	113,523	3/4	128,517	3/4	143,512		
9	9,375	9	23,937	9	38,937	9	53,907	9	68,835	9	83,836	9	98,837	9	113,835	9	128,830	9	143,824		
1/4	9,661	1/4	24,249	1/4	39,250	1/4	54,217	1/4	69,147	1/4	84,148	1/4	99,149	1/4	114,147	1/4	129,142	1/4	144,136		
1/2	9,947	1/2	24,562	1/2	39,563	1/2	54,527	1/2	69,460	1/2	84,461	1/2	99,462	1/2	114,460	1/2	129,454	1/2	144,449		
3/4	10,234	3/4	24,874	3/4	39,875	3/4	54,838	3/4	69,772	3/4	84,773	3/4	99,774	3/4	114,772	3/4	129,767	3/4	144,761		
10	10,520	10	25,187	10	40,188	10	55,148	10	70,085	10	85,086	10	100,087	10	115,085	10	130,079	10	145,074		
1/4	10,809	1/4	25,499	1/4	40,500	1/4	55,458	1/4	70,397	1/4	85,398	1/4	100,399	1/4	115,399	1/4	130,391	1/4	145,386		
1/2	11,099	1/2	25,812	1/2	40,813	1/2	55,768	1/2	70,710	1/2	85,711	1/2	100,712	1/2	115,709	1/2	130,704	1/2	145,698		
3/4	11,389	3/4	26,124	3/4	41,125	3/4	56,078	3/4	71,022	3/4	86,023	3/4	101,024	3/4	116,022	3/4	131,016	3/4	146,011		
11	11,679	11	26,437	11	41,438	11	56,388	11	71,335	11	86,336	11	101,337	11	116,334	11	131,329	11	146,323		
1/4	11,972	1/4	26,750	1/4	41,750	1/4	56,699	1/4	71,647	1/4	86,648	1/4	101,649	1/4	116,646	1/4	131,641	1/4	146,636		
1/2	12,265	1/2	27,062	1/2	42,063	1/2	57,009	1/2	71,960	1/2	86,961	1/2	101,962	1/2	116,959	1/2	131,953	1/2	146,948		
3/4	12,559	3/4	27,375	3/4	42,375	3/4	57,319	3/4	72,272	3/4	87,274	3/4	102,275	3/4	117,271	3/4	132,266	3/4	147,260		

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 TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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Paul J. Hume



BARGE "HSM 4102"

1 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		GAUGE HEIGHT 15'-11 1/4"	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		147,573	0	162,567	0	177,554	0	192,504	0	207,401	0	0	0	0	0	0	0	0	0	0	19 FT.
1/4		147,885	1/4	162,880	1/4	177,865	1/4	192,816	1/4	207,702	1/4		1/4		1/4		1/4		1/4		
1/2		148,197	1/2	163,192	1/2	178,177	1/2	193,127	1/2	208,004	1/2		1/2		1/2		1/2		1/2		
3/4		148,510	3/4	163,504	3/4	178,488	3/4	193,439	3/4	208,306	3/4		3/4		3/4		3/4		3/4		
1		148,822	1	163,817	1	178,799	1	193,750	1	208,608	1		1		1		1		1		
1/4		149,135	1/4	164,129	1/4	179,111	1/4	194,062	1/4	208,878	1/4		1/4		1/4		1/4		1/4		
1/2		149,447	1/2	164,442	1/2	179,422	1/2	194,373	1/2	209,149	1/2		1/2		1/2		1/2		1/2		
3/4		149,759	3/4	164,754	3/4	179,734	3/4	194,685	3/4	209,419	3/4		3/4		3/4		3/4		3/4		
2		150,072	2	165,066	2	180,045	2	194,996	2	209,689	2		2		2		2		2		
1/4		150,384	1/4	165,379	1/4	180,357	1/4	195,308	1/4	209,908	1/4		1/4		1/4		1/4		1/4		
1/2		150,697	1/2	165,691	1/2	180,668	1/2	195,619	1/2	210,126	1/2		1/2		1/2		1/2		1/2		
3/4		151,009	3/4	166,003	3/4	180,980	3/4	195,931	3/4	210,344	3/4		3/4		3/4		3/4		3/4		
3		151,321	3	166,316	3	181,291	3	196,242	3	210,563	3		3		3		3		3		
1/4		151,634	1/4	166,628	1/4	181,603	1/4	196,554	1/4	210,729	1/4		1/4		1/4		1/4		1/4		
1/2		151,946	1/2	166,941	1/2	181,914	1/2	196,865	1/2	210,895	1/2		1/2		1/2		1/2		1/2		
3/4		152,258	3/4	167,253	3/4	182,226	3/4	197,176	3/4	211,061	3/4		3/4		3/4		3/4		3/4		
4		152,571	4	167,565	4	182,537	4	197,488	4	211,227	4		4		4		4		4		
1/4		152,883	1/4	167,878	1/4	182,849	1/4	197,799	1/4	211,227	1/4		1/4		1/4		1/4		1/4		
1/2		153,196	1/2	168,190	1/2	183,160	1/2	198,111	1/2	211,227	1/2		1/2		1/2		1/2		1/2		
3/4		153,508	3/4	168,503	3/4	183,472	3/4	198,422	3/4	211,227	3/4		3/4		3/4		3/4		3/4		
5		153,820	5	168,815	5	183,783	5	198,734	5	211,227	5		5		5		5		5		
1/4		154,133	1/4	169,127	1/4	184,095	1/4	199,045	1/4	211,227	1/4		1/4		1/4		1/4		1/4		
1/2		154,445	1/2	169,440	1/2	184,406	1/2	199,356	1/2	211,227	1/2		1/2		1/2		1/2		1/2		
3/4		154,758	3/4	169,752	3/4	184,717	3/4	199,667	3/4	211,227	3/4		3/4		3/4		3/4		3/4		
6		155,070	6	170,065	6	185,029	6	199,978	6	211,227	6		6		6		6		6		
1/4		155,382	1/4	170,377	1/4	185,340	1/4	200,287	1/4	211,227	1/4		1/4		1/4		1/4		1/4		
1/2		155,695	1/2	170,689	1/2	185,652	1/2	200,596	1/2	211,227	1/2		1/2		1/2		1/2		1/2		
3/4		156,007	3/4	171,002	3/4	185,963	3/4	200,906	3/4	211,227	3/4		3/4		3/4		3/4		3/4		
7		156,320	7	171,314	7	186,275	7	201,215	7	211,227	7		7		7		7		7		
1/4		156,632	1/4	171,626	1/4	186,586	1/4	201,524	1/4	211,227	1/4		1/4		1/4		1/4		1/4		
1/2		156,944	1/2	171,939	1/2	186,898	1/2	201,834	1/2	211,227	1/2		1/2		1/2		1/2		1/2		
3/4		157,257	3/4	172,251	3/4	187,209	3/4	202,143	3/4	211,227	3/4		3/4		3/4		3/4		3/4		
8		157,569	8	172,564	8	187,521	8	202,452	8	211,227	8		8		8		8		8		
1/4		157,881	1/4	172,876	1/4	187,832	1/4	202,762	1/4	211,227	1/4		1/4		1/4		1/4		1/4		
1/2		158,194	1/2	173,188	1/2	188,144	1/2	203,071	1/2	211,227	1/2		1/2		1/2		1/2		1/2		
3/4		158,506	3/4	173,501	3/4	188,455	3/4	203,381	3/4	211,227	3/4		3/4		3/4		3/4		3/4		
9		158,819	9	173,813	9	188,767	9	203,690	9	211,227	9		9		9		9		9		
1/4		159,131	1/4	174,125	1/4	189,078	1/4	204,000	1/4	211,227	1/4		1/4		1/4		1/4		1/4		
1/2		159,443	1/2	174,437	1/2	189,390	1/2	204,309	1/2	211,227	1/2		1/2		1/2		1/2		1/2		
3/4		159,756	3/4	174,750	3/4	189,701	3/4	204,619	3/4	211,227	3/4		3/4		3/4		3/4		3/4		
10		160,068	10	175,062	10	190,013	10	204,928	10	211,227	10		10		10		10		10		
1/4		160,381	1/4	175,373	1/4	190,324	1/4	205,237	1/4	211,227	1/4		1/4		1/4		1/4		1/4		
1/2		160,693	1/2	175,685	1/2	190,636	1/2	205,547	1/2	211,227	1/2		1/2		1/2		1/2		1/2		
3/4		161,005	3/4	175,996	3/4	190,947	3/4	205,856	3/4	211,227	3/4		3/4		3/4		3/4		3/4		
11		161,318	11	176,308	11	191,258	11	206,165	11	211,227	11		11		11		11		11		
1/4		161,630	1/4	176,619	1/4	191,570	1/4	206,474	1/4	211,227	1/4		1/4		1/4		1/4		1/4		
1/2		161,942	1/2	176,931	1/2	191,881	1/2	206,783	1/2	211,227	1/2		1/2		1/2		1/2		1/2		
3/4		162,255	3/4	177,242	3/4	192,193	3/4	207,092	3/4	211,227	3/4		3/4		3/4		3/4		3/4		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2024 CL
CALCULATED: 10/02/2024 CL
PRINTED: 10/02/2024 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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

Tom J. Hearn



BARGE "HSM 4102"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	0 FT.	IN	0	12,883	0	27,752	0	42,786	0	57,816	0	72,848	0	87,883	0	102,917	0	117,948	0	132,976
1/4	404	1/4	1/4	13,181	1/4	28,065	1/4	43,099	1/4	58,129	1/4	73,161	1/4	88,196	1/4	103,231	1/4	118,261	1/4	133,289
1/2	560	1/2	1/2	13,479	1/2	28,378	1/2	43,412	1/2	58,442	1/2	73,474	1/2	88,509	1/2	103,544	1/2	118,574	1/2	133,602
3/4	716	3/4	3/4	13,776	3/4	28,691	3/4	43,726	3/4	58,755	3/4	73,787	3/4	88,822	3/4	103,857	3/4	118,887	3/4	133,915
1	873	1	1	14,074	1	29,004	1	44,039	1	59,068	1	74,101	1	89,135	1	104,170	1	119,200	1	134,228
1/4	1,100	1/4	1/4	14,375	1/4	29,318	1/4	44,352	1/4	59,381	1/4	74,414	1/4	89,449	1/4	104,483	1/4	119,513	1/4	134,541
1/2	1,328	1/2	1/2	14,677	1/2	29,631	1/2	44,665	1/2	59,694	1/2	74,727	1/2	89,762	1/2	104,797	1/2	119,826	1/2	134,854
3/4	1,556	3/4	3/4	14,978	3/4	29,944	3/4	44,978	3/4	60,007	3/4	75,040	3/4	90,075	3/4	105,110	3/4	120,139	3/4	135,167
2	1,784	2	2	15,279	2	30,257	2	45,292	2	60,320	2	75,354	2	90,388	2	105,423	2	120,452	2	135,481
1/4	2,044	1/4	1/4	15,585	1/4	30,570	1/4	45,605	1/4	60,633	1/4	75,667	1/4	90,702	1/4	105,736	1/4	120,765	1/4	135,794
1/2	2,304	1/2	1/2	15,890	1/2	30,884	1/2	45,918	1/2	60,946	1/2	75,980	1/2	91,015	1/2	106,050	1/2	121,078	1/2	136,107
3/4	2,564	3/4	3/4	16,195	3/4	31,197	3/4	46,231	3/4	61,259	3/4	76,293	3/4	91,328	3/4	106,363	3/4	121,392	3/4	136,420
3	2,824	3	3	16,500	3	31,510	3	46,544	3	61,572	3	76,606	3	91,641	3	106,676	3	121,705	3	136,733
1/4	3,088	1/4	1/4	16,808	1/4	31,823	1/4	46,858	1/4	61,885	1/4	76,920	1/4	91,954	1/4	106,989	1/4	122,018	1/4	137,046
1/2	3,353	1/2	1/2	17,117	1/2	32,137	1/2	47,171	1/2	62,198	1/2	77,233	1/2	92,268	1/2	107,302	1/2	122,331	1/2	137,359
3/4	3,617	3/4	3/4	17,425	3/4	32,450	3/4	47,484	3/4	62,511	3/4	77,546	3/4	92,581	3/4	107,616	3/4	122,644	3/4	137,672
4	3,882	4	4	17,734	4	32,763	4	47,797	4	62,825	4	77,859	4	92,894	4	107,929	4	122,957	4	137,985
1/4	4,150	1/4	1/4	18,046	1/4	33,076	1/4	48,111	1/4	63,138	1/4	78,173	1/4	93,207	1/4	108,242	1/4	123,270	1/4	138,298
1/2	4,419	1/2	1/2	18,358	1/2	33,389	1/2	48,424	1/2	63,451	1/2	78,486	1/2	93,521	1/2	108,555	1/2	123,583	1/2	138,612
3/4	4,687	3/4	3/4	18,670	3/4	33,703	3/4	48,737	3/4	63,764	3/4	78,799	3/4	93,834	3/4	108,868	3/4	123,896	3/4	138,925
5	4,956	5	5	18,982	5	34,016	5	49,050	5	64,077	5	79,112	5	94,147	5	109,181	5	124,209	5	139,238
1/4	5,228	1/4	1/4	19,295	1/4	34,329	1/4	49,363	1/4	64,391	1/4	79,425	1/4	94,460	1/4	109,494	1/4	124,522	1/4	139,551
1/2	5,500	1/2	1/2	19,608	1/2	34,642	1/2	49,677	1/2	64,704	1/2	79,739	1/2	94,773	1/2	109,807	1/2	124,836	1/2	139,864
3/4	5,772	3/4	3/4	19,921	3/4	34,955	3/4	49,990	3/4	65,017	3/4	80,052	3/4	95,087	3/4	110,120	3/4	125,149	3/4	140,177
6	6,045	6	6	20,234	6	35,269	6	50,303	6	65,330	6	80,365	6	95,400	6	110,433	6	125,462	6	140,490
1/4	6,320	1/4	1/4	20,548	1/4	35,582	1/4	50,616	1/4	65,644	1/4	80,678	1/4	95,713	1/4	110,747	1/4	125,775	1/4	140,803
1/2	6,596	1/2	1/2	20,861	1/2	35,895	1/2	50,929	1/2	65,957	1/2	80,992	1/2	96,026	1/2	111,060	1/2	126,088	1/2	141,116
3/4	6,872	3/4	3/4	21,174	3/4	36,208	3/4	51,243	3/4	66,270	3/4	81,305	3/4	96,340	3/4	111,373	3/4	126,401	3/4	141,429
7	7,148	7	7	21,487	7	36,522	7	51,556	7	66,583	7	81,618	7	96,653	7	111,686	7	126,714	7	141,742
1/4	7,427	1/4	1/4	21,800	1/4	36,835	1/4	51,869	1/4	66,897	1/4	81,931	1/4	96,966	1/4	111,999	1/4	127,027	1/4	142,056
1/2	7,707	1/2	1/2	22,114	1/2	37,148	1/2	52,182	1/2	67,210	1/2	82,244	1/2	97,279	1/2	112,312	1/2	127,340	1/2	142,369
3/4	7,986	3/4	3/4	22,427	3/4	37,461	3/4	52,495	3/4	67,523	3/4	82,558	3/4	97,592	3/4	112,625	3/4	127,653	3/4	142,682
8	8,266	8	8	22,740	8	37,774	8	52,808	8	67,836	8	82,871	8	97,906	8	112,938	8	127,966	8	142,995
1/4	8,549	1/4	1/4	23,053	1/4	38,088	1/4	53,121	1/4	68,149	1/4	83,184	1/4	98,219	1/4	113,251	1/4	128,280	1/4	143,308
1/2	8,832	1/2	1/2	23,367	1/2	38,401	1/2	53,434	1/2	68,463	1/2	83,497	1/2	98,532	1/2	113,564	1/2	128,593	1/2	143,621
3/4	9,115	3/4	3/4	23,680	3/4	38,714	3/4	53,747	3/4	68,776	3/4	83,811	3/4	98,845	3/4	113,877	3/4	128,906	3/4	143,934
9	9,398	9	9	23,993	9	39,027	9	54,060	9	69,089	9	84,124	9	99,159	9	114,191	9	129,219	9	144,247
1/4	9,685	1/4	1/4	24,306	1/4	39,341	1/4	54,373	1/4	69,402	1/4	84,437	1/4	99,472	1/4	114,504	1/4	129,532	1/4	144,560
1/2	9,972	1/2	1/2	24,619	1/2	39,654	1/2	54,686	1/2	69,716	1/2	84,750	1/2	99,785	1/2	114,817	1/2	129,845	1/2	144,873
3/4	10,259	3/4	3/4	24,933	3/4	39,967	3/4	54,999	3/4	70,029	3/4	85,064	3/4	100,098	3/4	115,130	3/4	130,158	3/4	145,186
10	10,545	10	10	25,246	10	40,280	10	55,312	10	70,342	10	85,377	10	100,412	10	115,443	10	130,471	10	145,500
1/4	10,836	1/4	1/4	25,559	1/4	40,593	1/4	55,625	1/4	70,655	1/4	85,690	1/4	100,725	1/4	115,756	1/4	130,784	1/4	145,813
1/2	11,126	1/2	1/2	25,872	1/2	40,907	1/2	55,938	1/2	70,968	1/2	86,003	1/2	101,038	1/2	116,069	1/2	131,097	1/2	146,126
3/4	11,417	3/4	3/4	26,185	3/4	41,220	3/4	56,251	3/4	71,282	3/4	86,316	3/4	101,351	3/4	116,382	3/4	131,410	3/4	146,439
11	11,707	11	11	26,499	11	41,533	11	56,564	11	71,595	11	86,630	11	101,664	11	116,695	11	131,724	11	146,752
1/4	12,001	1/4	1/4	26,812	1/4	41,846	1/4	56,877	1/4	71,908	1/4	86,943	1/4	101,978	1/4	117,008	1/4	132,037	1/4	147,065
1/2	12,295	1/2	1/2	27,125	1/2	42,159	1/2	57,190	1/2	72,221	1/2	87,256	1/2	102,291	1/2	117,321	1/2	132,350	1/2	147,378
3/4	12,589	3/4	3/4	27,438	3/4	42,473	3/4	57,503	3/4	72,535	3/4	87,569	3/4	102,604	3/4	117,635	3/4	132,663	3/4	147,691

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 TOP LIP OF 2" MMC VALVE

GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>

Paul J. Hume



BARGE "HSM 4102"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

CAPACITIES GIVEN IN WHOLE GALLONS										GAUGE HEIGHT 15'-11 1/2"									
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	148,004	0	163,033	0	178,053	0	193,038	0	207,968	0		0		0		0		0	
1/4	148,317	1/4	163,346	1/4	178,365	1/4	193,350	1/4	208,270	1/4		1/4		1/4		1/4		1/4	
1/2	148,631	1/2	163,659	1/2	178,678	1/2	193,662	1/2	208,573	1/2		1/2		1/2		1/2		1/2	
3/4	148,944	3/4	163,972	3/4	178,990	3/4	193,974	3/4	208,875	3/4		3/4		3/4		3/4		3/4	
1	149,257	1	164,285	1	179,302	1	194,287	1	209,178	1		1		1		1		1	
1/4	149,570	1/4	164,598	1/4	179,614	1/4	194,599	1/4	209,449	1/4		1/4		1/4		1/4		1/4	
1/2	149,883	1/2	164,911	1/2	179,926	1/2	194,911	1/2	209,720	1/2		1/2		1/2		1/2		1/2	
3/4	150,196	3/4	165,225	3/4	180,238	3/4	195,223	3/4	209,991	3/4		3/4		3/4		3/4		3/4	
2	150,509	2	165,538	2	180,551	2	195,535	2	210,262	2		2		2		2		2	
1/4	150,822	1/4	165,851	1/4	180,863	1/4	195,847	1/4	210,481	1/4		1/4		1/4		1/4		1/4	
1/2	151,135	1/2	166,164	1/2	181,175	1/2	196,160	1/2	210,699	1/2		1/2		1/2		1/2		1/2	
3/4	151,448	3/4	166,477	3/4	181,487	3/4	196,472	3/4	210,918	3/4		3/4		3/4		3/4		3/4	
3	151,761	3	166,790	3	181,799	3	196,784	3	211,137	3		3		3		3		3	
1/4	152,075	1/4	167,103	1/4	182,112	1/4	197,096	1/4	211,304	1/4		1/4		1/4		1/4		1/4	
1/2	152,388	1/2	167,416	1/2	182,424	1/2	197,408	1/2	211,470	1/2		1/2		1/2		1/2		1/2	
3/4	152,701	3/4	167,729	3/4	182,736	3/4	197,721	3/4	211,637	3/4		3/4		3/4		3/4		3/4	
4	153,014	4	168,042	4	183,048	4	198,033	4	211,804	4		4		4		4		4	
1/4	153,327	1/4	168,355	1/4	183,360	1/4	198,345	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	153,640	1/2	168,669	1/2	183,672	1/2	198,657	1/2	211,969	1/2		1/2		1/2		1/2		1/2	
3/4	153,953	3/4	168,982	3/4	183,985	3/4	198,969	3/4	212,134	3/4		3/4		3/4		3/4		3/4	
5	154,266	5	169,295	5	184,297	5	199,281	5	212,300	5		5		5		5		5	
1/4	154,579	1/4	169,608	1/4	184,609	1/4	199,593	1/4	212,466	1/4		1/4		1/4		1/4		1/4	
1/2	154,892	1/2	169,921	1/2	184,921	1/2	199,905	1/2	212,631	1/2		1/2		1/2		1/2		1/2	
3/4	155,206	3/4	170,234	3/4	185,233	3/4	200,216	3/4	212,796	3/4		3/4		3/4		3/4		3/4	
6	155,519	6	170,547	6	185,546	6	200,528	6	212,961	6		6		6		6		6	
1/4	155,832	1/4	170,860	1/4	185,858	1/4	200,838	1/4	213,126	1/4		1/4		1/4		1/4		1/4	
1/2	156,145	1/2	171,173	1/2	186,170	1/2	201,148	1/2	213,291	1/2		1/2		1/2		1/2		1/2	
3/4	156,458	3/4	171,486	3/4	186,482	3/4	201,458	3/4	213,456	3/4		3/4		3/4		3/4		3/4	
7	156,771	7	171,799	7	186,794	7	201,768	7	213,621	7		7		7		7		7	
1/4	157,084	1/4	172,113	1/4	187,106	1/4	202,078	1/4	213,786	1/4		1/4		1/4		1/4		1/4	
1/2	157,397	1/2	172,426	1/2	187,419	1/2	202,388	1/2	213,951	1/2		1/2		1/2		1/2		1/2	
3/4	157,710	3/4	172,739	3/4	187,731	3/4	202,698	3/4	214,116	3/4		3/4		3/4		3/4		3/4	
8	158,023	8	173,052	8	188,043	8	203,009	8	214,281	8		8		8		8		8	
1/4	158,336	1/4	173,365	1/4	188,355	1/4	203,319	1/4	214,446	1/4		1/4		1/4		1/4		1/4	
1/2	158,650	1/2	173,678	1/2	188,667	1/2	203,629	1/2	214,611	1/2		1/2		1/2		1/2		1/2	
3/4	158,963	3/4	173,991	3/4	188,979	3/4	203,939	3/4	214,776	3/4		3/4		3/4		3/4		3/4	
9	159,276	9	174,304	9	189,292	9	204,249	9	214,941	9		9		9		9		9	
1/4	159,589	1/4	174,617	1/4	189,604	1/4	204,559	1/4	215,106	1/4		1/4		1/4		1/4		1/4	
1/2	159,902	1/2	174,930	1/2	189,916	1/2	204,870	1/2	215,271	1/2		1/2		1/2		1/2		1/2	
3/4	160,215	3/4	175,243	3/4	190,228	3/4	205,180	3/4	215,436	3/4		3/4		3/4		3/4		3/4	
10	160,528	10	175,556	10	190,540	10	205,490	10	215,601	10		10		10		10		10	
1/4	160,841	1/4	175,868	1/4	190,853	1/4	205,800	1/4	215,766	1/4		1/4		1/4		1/4		1/4	
1/2	161,154	1/2	176,180	1/2	191,165	1/2	206,110	1/2	215,931	1/2		1/2		1/2		1/2		1/2	
3/4	161,467	3/4	176,492	3/4	191,477	3/4	206,420	3/4	216,096	3/4		3/4		3/4		3/4		3/4	
11	161,780	11	176,804	11	191,789	11	206,730	11	216,261	11		11		11		11		11	
1/4	162,094	1/4	177,117	1/4	192,101	1/4	207,039	1/4	216,426	1/4		1/4		1/4		1/4		1/4	
1/2	162,407	1/2	177,429	1/2	192,413	1/2	207,349	1/2	216,591	1/2		1/2		1/2		1/2		1/2	
3/4	162,720	3/4	177,741	3/4	192,726	3/4	207,658	3/4	216,756	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2024 CL
CALCULATED: 10/02/2024 CL
PRINTED: 10/02/2024 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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

Tom J. Hearn



BARGE "HSM 4102"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	836	0	15,385	0	30,451	0	45,204	0	59,982	0	75,050	0	90,119	0	105,187	0	120,251	0	135,312
1/4	1,051	1/4	15,699	1/4	30,765	1/4	45,507	1/4	60,296	1/4	75,364	1/4	90,433	1/4	105,501	1/4	120,564	1/4	135,625
1/2	1,267	1/2	16,013	1/2	31,079	1/2	45,810	1/2	60,610	1/2	75,678	1/2	90,747	1/2	105,815	1/2	120,878	1/2	135,939
3/4	1,483	3/4	16,327	3/4	31,393	3/4	46,113	3/4	60,924	3/4	75,992	3/4	91,061	3/4	106,129	3/4	121,192	3/4	136,253
1	1,699	1	16,641	1	31,706	1	46,415	1	61,238	1	76,306	1	91,375	1	106,443	1	121,506	1	136,567
1/4	1,983	1/4	16,955	1/4	32,020	1/4	46,718	1/4	61,552	1/4	76,620	1/4	91,689	1/4	106,757	1/4	121,819	1/4	136,880
1/2	2,267	1/2	17,269	1/2	32,334	1/2	47,021	1/2	61,866	1/2	76,934	1/2	92,002	1/2	107,071	1/2	122,133	1/2	137,194
3/4	2,551	3/4	17,583	3/4	32,648	3/4	47,324	3/4	62,179	3/4	77,248	3/4	92,316	3/4	107,385	3/4	122,447	3/4	137,508
2	2,835	2	17,896	2	32,962	2	47,627	2	62,493	2	77,562	2	92,630	2	107,699	2	122,761	2	137,822
1/4	3,148	1/4	18,210	1/4	33,276	1/4	47,930	1/4	62,807	1/4	77,876	1/4	92,944	1/4	108,013	1/4	123,075	1/4	138,135
1/2	3,460	1/2	18,524	1/2	33,590	1/2	48,232	1/2	63,121	1/2	78,190	1/2	93,258	1/2	108,327	1/2	123,388	1/2	138,449
3/4	3,773	3/4	18,838	3/4	33,904	3/4	48,535	3/4	63,435	3/4	78,504	3/4	93,572	3/4	108,641	3/4	123,702	3/4	138,763
3	4,086	3	19,152	3	34,218	3	48,838	3	63,749	3	78,818	3	93,886	3	108,954	3	124,016	3	139,077
1/4	4,399	1/4	19,466	1/4	34,532	1/4	49,141	1/4	64,063	1/4	79,131	1/4	94,200	1/4	109,268	1/4	124,330	1/4	139,390
1/2	4,713	1/2	19,780	1/2	34,846	1/2	49,444	1/2	64,377	1/2	79,445	1/2	94,514	1/2	109,582	1/2	124,643	1/2	139,704
3/4	5,026	3/4	20,094	3/4	35,160	3/4	49,747	3/4	64,691	3/4	79,759	3/4	94,828	3/4	109,896	3/4	124,957	3/4	140,018
4	5,340	4	20,408	4	35,473	4	50,050	4	65,005	4	80,073	4	95,142	4	110,210	4	125,271	4	140,332
1/4	5,654	1/4	20,722	1/4	35,785	1/4	50,354	1/4	65,319	1/4	80,387	1/4	95,456	1/4	110,524	1/4	125,585	1/4	140,646
1/2	5,968	1/2	21,036	1/2	36,096	1/2	50,657	1/2	65,633	1/2	80,701	1/2	95,770	1/2	110,838	1/2	125,898	1/2	140,959
3/4	6,282	3/4	21,350	3/4	36,408	3/4	50,960	3/4	65,947	3/4	81,015	3/4	96,083	3/4	111,151	3/4	126,212	3/4	141,273
5	6,595	5	21,663	5	36,719	5	51,263	5	66,261	5	81,329	5	96,397	5	111,465	5	126,526	5	141,587
1/4	6,909	1/4	21,977	1/4	37,023	1/4	51,567	1/4	66,574	1/4	81,643	1/4	96,711	1/4	111,779	1/4	126,840	1/4	141,901
1/2	7,223	1/2	22,291	1/2	37,326	1/2	51,871	1/2	66,888	1/2	81,957	1/2	97,025	1/2	112,093	1/2	127,154	1/2	142,214
3/4	7,537	3/4	22,605	3/4	37,630	3/4	52,175	3/4	67,202	3/4	82,271	3/4	97,339	3/4	112,406	3/4	127,467	3/4	142,528
6	7,851	6	22,919	6	37,934	6	52,478	6	67,516	6	82,585	6	97,653	6	112,720	6	127,781	6	142,842
1/4	8,165	1/4	23,233	1/4	38,237	1/4	52,785	1/4	67,830	1/4	82,899	1/4	97,967	1/4	113,034	1/4	128,095	1/4	143,156
1/2	8,479	1/2	23,547	1/2	38,541	1/2	53,091	1/2	68,144	1/2	83,213	1/2	98,281	1/2	113,348	1/2	128,409	1/2	143,469
3/4	8,793	3/4	23,861	3/4	38,844	3/4	53,397	3/4	68,458	3/4	83,526	3/4	98,595	3/4	113,661	3/4	128,722	3/4	143,783
7	9,107	7	24,175	7	39,148	7	53,703	7	68,772	7	83,840	7	98,909	7	113,975	7	129,036	7	144,097
1/4	9,421	1/4	24,489	1/4	39,451	1/4	54,017	1/4	69,086	1/4	84,154	1/4	99,223	1/4	114,289	1/4	129,350	1/4	144,411
1/2	9,735	1/2	24,803	1/2	39,754	1/2	54,331	1/2	69,400	1/2	84,468	1/2	99,537	1/2	114,603	1/2	129,664	1/2	144,725
3/4	10,049	3/4	25,117	3/4	40,056	3/4	54,645	3/4	69,714	3/4	84,782	3/4	99,851	3/4	114,917	3/4	129,977	3/4	145,038
8	10,362	8	25,430	8	40,359	8	54,959	8	70,028	8	85,096	8	100,165	8	115,230	8	130,291	8	145,352
1/4	10,676	1/4	25,744	1/4	40,662	1/4	55,273	1/4	70,342	1/4	85,410	1/4	100,478	1/4	115,544	1/4	130,605	1/4	145,666
1/2	10,990	1/2	26,058	1/2	40,965	1/2	55,587	1/2	70,655	1/2	85,724	1/2	100,792	1/2	115,858	1/2	130,919	1/2	145,980
3/4	11,304	3/4	26,372	3/4	41,268	3/4	55,901	3/4	70,969	3/4	86,038	3/4	101,106	3/4	116,172	3/4	131,233	3/4	146,293
9	11,618	9	26,686	9	41,570	9	56,215	9	71,283	9	86,352	9	101,420	9	116,485	9	131,546	9	146,607
1/4	11,932	1/4	27,000	1/4	41,873	1/4	56,529	1/4	71,597	1/4	86,666	1/4	101,734	1/4	116,799	1/4	131,860	1/4	146,921
1/2	12,246	1/2	27,313	1/2	42,176	1/2	56,843	1/2	71,911	1/2	86,980	1/2	102,048	1/2	117,113	1/2	132,174	1/2	147,235
3/4	12,560	3/4	27,627	3/4	42,479	3/4	57,157	3/4	72,225	3/4	87,294	3/4	102,362	3/4	117,427	3/4	132,488	3/4	147,548
10	12,874	10	27,941	10	42,782	10	57,471	10	72,539	10	87,607	10	102,676	10	117,740	10	132,801	10	147,862
1/4	13,188	1/4	28,255	1/4	43,085	1/4	57,785	1/4	72,853	1/4	87,921	1/4	102,990	1/4	118,054	1/4	133,115	1/4	148,176
1/2	13,502	1/2	28,568	1/2	43,387	1/2	58,098	1/2	73,167	1/2	88,235	1/2	103,304	1/2	118,368	1/2	133,429	1/2	148,490
3/4	13,816	3/4	28,882	3/4	43,690	3/4	58,412	3/4	73,481	3/4	88,549	3/4	103,618	3/4	118,682	3/4	133,743	3/4	148,804
11	14,129	11	29,196	11	43,993	11	58,726	11	73,795	11	88,863	11	103,932	11	118,996	11	134,056	11	149,117
1/4	14,443	1/4	29,509	1/4	44,296	1/4	59,040	1/4	74,109	1/4	89,177	1/4	104,246	1/4	119,309	1/4	134,370	1/4	149,431
1/2	14,757	1/2	29,823	1/2	44,599	1/2	59,354	1/2	74,423	1/2	89,491	1/2	104,559	1/2	119,623	1/2	134,684	1/2	149,745
3/4	15,071	3/4	30,137	3/4	44,901	3/4	59,668	3/4	74,737	3/4	89,805	3/4	104,873	3/4	119,937	3/4	134,998	3/4	150,059

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 TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "HSM 4102"

2 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		GAUGE HEIGHT 15'-11 3/4"	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		150,372	0	165,433	0	180,485	0	195,494	0	210,426	0	0	0	0	0	0	0	0	0	19 FT.	
1/4		150,686	1/4	165,747	1/4	180,797	1/4	195,807	1/4	210,728	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		151,000	1/2	166,061	1/2	181,110	1/2	196,120	1/2	211,030	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		151,314	3/4	166,375	3/4	181,423	3/4	196,432	3/4	211,332	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1		151,627	1	166,688	1	181,735	1	196,745	1	211,634	1	1	1	1	1	1	1	1	1	1	
1/4		151,941	1/4	167,002	1/4	182,048	1/4	197,058	1/4	211,905	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		152,255	1/2	167,316	1/2	182,361	1/2	197,371	1/2	212,175	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		152,569	3/4	167,630	3/4	182,674	3/4	197,683	3/4	212,446	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2		152,883	2	167,943	2	182,986	2	197,996	2	212,716	2	2	2	2	2	2	2	2	2	2	
1/4		153,196	1/4	168,257	1/4	183,299	1/4	198,309	1/4	212,934	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		153,510	1/2	168,571	1/2	183,612	1/2	198,621	1/2	213,152	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		153,824	3/4	168,885	3/4	183,924	3/4	198,934	3/4	213,371	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3		154,138	3	169,199	3	184,237	3	199,247	3	213,589	3	3	3	3	3	3	3	3	3	3	
1/4		154,451	1/4	169,512	1/4	184,550	1/4	199,559	1/4	213,755	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		154,765	1/2	169,826	1/2	184,862	1/2	199,872	1/2	213,921	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		155,079	3/4	170,140	3/4	185,175	3/4	200,185	3/4	214,086	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4		155,393	4	170,454	4	185,488	4	200,498	4	214,252	4	4	4	4	4	4	4	4	4	4	
1/4		155,706	1/4	170,767	1/4	185,801	1/4	200,810	1/4	214,418	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		156,020	1/2	171,081	1/2	186,113	1/2	201,123	1/2	214,584	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		156,334	3/4	171,395	3/4	186,426	3/4	201,436	3/4	214,750	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5		156,648	5	171,709	5	186,739	5	201,748	5	214,916	5	5	5	5	5	5	5	5	5	5	
1/4		156,962	1/4	172,022	1/4	187,051	1/4	202,060	1/4	215,082	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		157,275	1/2	172,336	1/2	187,364	1/2	202,372	1/2	215,248	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		157,589	3/4	172,650	3/4	187,677	3/4	202,684	3/4	215,414	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6		157,903	6	172,964	6	187,989	6	202,996	6	215,580	6	6	6	6	6	6	6	6	6	6	
1/4		158,217	1/4	173,278	1/4	188,302	1/4	203,306	1/4	215,746	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		158,530	1/2	173,591	1/2	188,615	1/2	203,615	1/2	215,912	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		158,844	3/4	173,905	3/4	188,928	3/4	203,925	3/4	216,078	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7		159,158	7	174,219	7	189,240	7	204,235	7	216,244	7	7	7	7	7	7	7	7	7	7	
1/4		159,472	1/4	174,533	1/4	189,553	1/4	204,544	1/4	216,410	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		159,785	1/2	174,846	1/2	189,866	1/2	204,854	1/2	216,576	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		160,099	3/4	175,160	3/4	190,178	3/4	205,163	3/4	216,742	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8		160,413	8	175,474	8	190,491	8	205,473	8	216,908	8	8	8	8	8	8	8	8	8	8	
1/4		160,727	1/4	175,788	1/4	190,804	1/4	205,783	1/4	217,074	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		161,041	1/2	176,101	1/2	191,116	1/2	206,093	1/2	217,240	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		161,354	3/4	176,415	3/4	191,429	3/4	206,402	3/4	217,406	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9		161,668	9	176,729	9	191,742	9	206,712	9	217,572	9	9	9	9	9	9	9	9	9	9	
1/4		161,982	1/4	177,042	1/4	192,055	1/4	207,022	1/4	217,738	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		162,296	1/2	177,356	1/2	192,367	1/2	207,332	1/2	217,904	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		162,609	3/4	177,669	3/4	192,680	3/4	207,641	3/4	218,070	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10		162,923	10	177,983	10	192,993	10	207,951	10	218,236	10	10	10	10	10	10	10	10	10	10	
1/4		163,237	1/4	178,296	1/4	193,306	1/4	208,261	1/4	218,402	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		163,551	1/2	178,608	1/2	193,618	1/2	208,570	1/2	218,568	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		163,864	3/4	178,921	3/4	193,931	3/4	208,880	3/4	218,734	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11		164,178	11	179,234	11	194,244	11	209,190	11	218,900	11	11	11	11	11	11	11	11	11	11	
1/4		164,492	1/4	179,546	1/4	194,556	1/4	209,499	1/4	219,066	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2		164,806	1/2	179,859	1/2	194,869	1/2	209,808	1/2	219,232	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4		165,120	3/4	180,172	3/4	195,182	3/4	210,117	3/4	219,398	3/4	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.

STRAPPED: 10/01/2024 CL
CALCULATED: 10/02/2024 CL
PRINTED: 10/02/2024 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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

Tom J. Hearn



BARGE "HSM 4102"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

CAP		0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	835	IN	15,366	IN	30,412	IN	45,442	IN	60,475	IN	75,524	IN	90,573	IN	105,622	IN	120,666	IN	135,707
1/4	1,050	1/4	15,679	1/4	30,726	1/4	45,754	1/4	60,789	1/4	75,838	1/4	90,887	1/4	105,936	1/4	120,979	1/4	136,021	1/4	151,063
1/2	1,266	1/2	15,993	1/2	31,039	1/2	46,067	1/2	61,102	1/2	76,151	1/2	91,200	1/2	106,249	1/2	121,293	1/2	136,334	1/2	151,376
3/4	1,481	3/4	16,306	3/4	31,353	3/4	46,380	3/4	61,416	3/4	76,465	3/4	91,514	3/4	106,563	3/4	121,606	3/4	136,647	3/4	151,689
1	1,697	1	16,620	1	31,667	1	46,692	1	61,729	1	76,778	1	91,827	1	106,876	1	121,919	1	136,961	1	151,999
1/4	1,981	1/4	16,933	1/4	31,980	1/4	47,005	1/4	62,043	1/4	77,092	1/4	92,141	1/4	107,190	1/4	122,233	1/4	137,274	1/4	152,316
1/2	2,264	1/2	17,247	1/2	32,294	1/2	47,317	1/2	62,356	1/2	77,405	1/2	92,454	1/2	107,503	1/2	122,546	1/2	137,587	1/2	152,629
3/4	2,548	3/4	17,560	3/4	32,607	3/4	47,630	3/4	62,670	3/4	77,719	3/4	92,768	3/4	107,817	3/4	122,859	3/4	137,901	3/4	152,941
2	2,832	2	17,874	2	32,921	2	47,943	2	62,983	2	78,032	2	93,081	2	108,130	2	123,173	2	138,214	2	153,256
1/4	3,144	1/4	18,187	1/4	33,234	1/4	48,255	1/4	63,297	1/4	78,346	1/4	93,395	1/4	108,444	1/4	123,486	1/4	138,527	1/4	153,568
1/2	3,456	1/2	18,501	1/2	33,548	1/2	48,568	1/2	63,610	1/2	78,659	1/2	93,708	1/2	108,757	1/2	123,799	1/2	138,841	1/2	153,879
3/4	3,768	3/4	18,815	3/4	33,861	3/4	48,881	3/4	63,924	3/4	78,973	3/4	94,022	3/4	109,071	3/4	124,113	3/4	139,154	3/4	154,196
3	4,081	3	19,128	3	34,175	3	49,193	3	64,237	3	79,286	3	94,335	3	109,384	3	124,426	3	139,468	3	154,508
1/4	4,394	1/4	19,442	1/4	34,488	1/4	49,506	1/4	64,551	1/4	79,600	1/4	94,649	1/4	109,698	1/4	124,740	1/4	139,781	1/4	154,820
1/2	4,707	1/2	19,755	1/2	34,802	1/2	49,819	1/2	64,864	1/2	79,913	1/2	94,962	1/2	110,011	1/2	125,053	1/2	140,094	1/2	155,132
3/4	5,020	3/4	20,069	3/4	35,115	3/4	50,132	3/4	65,178	3/4	80,227	3/4	95,276	3/4	110,325	3/4	125,366	3/4	140,408	3/4	155,444
4	5,333	4	20,382	4	35,429	4	50,444	4	65,491	4	80,540	4	95,589	4	110,638	4	125,680	4	140,721	4	155,756
1/4	5,647	1/4	20,696	1/4	35,742	1/4	50,757	1/4	65,805	1/4	80,854	1/4	95,903	1/4	110,952	1/4	125,993	1/4	141,034	1/4	156,068
1/2	5,960	1/2	21,009	1/2	36,056	1/2	51,070	1/2	66,118	1/2	81,167	1/2	96,216	1/2	111,265	1/2	126,306	1/2	141,348	1/2	156,380
3/4	6,274	3/4	21,323	3/4	36,369	3/4	51,383	3/4	66,432	3/4	81,481	3/4	96,530	3/4	111,578	3/4	126,620	3/4	141,661	3/4	156,692
5	6,587	5	21,636	5	36,683	5	51,696	5	66,745	5	81,794	5	96,843	5	111,892	5	126,933	5	141,974	5	157,004
1/4	6,901	1/4	21,950	1/4	36,996	1/4	52,010	1/4	67,059	1/4	82,108	1/4	97,157	1/4	112,206	1/4	127,246	1/4	142,288	1/4	157,316
1/2	7,214	1/2	22,263	1/2	37,310	1/2	52,323	1/2	67,372	1/2	82,421	1/2	97,470	1/2	112,518	1/2	127,560	1/2	142,601	1/2	157,628
3/4	7,528	3/4	22,577	3/4	37,623	3/4	52,637	3/4	67,686	3/4	82,735	3/4	97,784	3/4	112,832	3/4	127,873	3/4	142,915	3/4	157,940
6	7,841	6	22,890	6	37,937	6	52,951	6	68,000	6	83,049	6	98,097	6	113,145	6	128,186	6	143,228	6	158,252
1/4	8,155	1/4	23,204	1/4	38,250	1/4	53,264	1/4	68,313	1/4	83,362	1/4	98,411	1/4	113,458	1/4	128,500	1/4	143,541	1/4	158,564
1/2	8,468	1/2	23,517	1/2	38,564	1/2	53,578	1/2	68,627	1/2	83,676	1/2	98,725	1/2	113,772	1/2	128,813	1/2	143,855	1/2	158,876
3/4	8,782	3/4	23,831	3/4	38,877	3/4	53,891	3/4	68,940	3/4	83,989	3/4	99,038	3/4	114,085	3/4	129,127	3/4	144,168	3/4	159,188
7	9,095	7	24,144	7	39,190	7	54,205	7	69,254	7	84,303	7	99,352	7	114,399	7	129,440	7	144,481	7	159,500
1/4	9,409	1/4	24,458	1/4	39,503	1/4	54,518	1/4	69,567	1/4	84,616	1/4	99,665	1/4	114,712	1/4	129,753	1/4	144,795	1/4	159,812
1/2	9,722	1/2	24,771	1/2	39,815	1/2	54,832	1/2	69,881	1/2	84,930	1/2	99,979	1/2	115,025	1/2	130,067	1/2	145,108	1/2	160,124
3/4	10,036	3/4	25,085	3/4	40,128	3/4	55,145	3/4	70,194	3/4	85,243	3/4	100,292	3/4	115,339	3/4	130,380	3/4	145,421	3/4	160,436
8	10,349	8	25,398	8	40,440	8	55,459	8	70,508	8	85,557	8	100,606	8	115,652	8	130,693	8	145,735	8	160,748
1/4	10,663	1/4	25,712	1/4	40,753	1/4	55,772	1/4	70,821	1/4	85,870	1/4	100,919	1/4	115,965	1/4	131,007	1/4	146,048	1/4	161,060
1/2	10,977	1/2	26,025	1/2	41,066	1/2	56,086	1/2	71,135	1/2	86,184	1/2	101,233	1/2	116,279	1/2	131,320	1/2	146,362	1/2	161,372
3/4	11,290	3/4	26,339	3/4	41,378	3/4	56,399	3/4	71,448	3/4	86,497	3/4	101,546	3/4	116,592	3/4	131,633	3/4	146,675	3/4	161,684
9	11,604	9	26,652	9	41,691	9	56,713	9	71,762	9	86,811	9	101,860	9	116,905	9	131,947	9	146,988	9	161,996
1/4	11,917	1/4	26,966	1/4	42,003	1/4	57,026	1/4	72,075	1/4	87,124	1/4	102,173	1/4	117,219	1/4	132,260	1/4	147,302	1/4	162,308
1/2	12,231	1/2	27,279	1/2	42,316	1/2	57,340	1/2	72,389	1/2	87,438	1/2	102,487	1/2	117,532	1/2	132,574	1/2	147,615	1/2	162,620
3/4	12,544	3/4	27,592	3/4	42,629	3/4	57,653	3/4	72,702	3/4	87,751	3/4	102,800	3/4	117,846	3/4	132,887	3/4	147,928	3/4	162,932
10	12,858	10	27,906	10	42,941	10	57,967	10	73,016	10	88,065	10	103,114	10	118,159	10	133,200	10	148,242	10	163,244
1/4	13,171	1/4	28,219	1/4	43,254	1/4	58,280	1/4	73,329	1/4	88,378	1/4	103,427	1/4	118,472	1/4	133,514	1/4	148,555	1/4	163,556
1/2	13,485	1/2	28,532	1/2	43,566	1/2	58,594	1/2	73,643	1/2	88,692	1/2	103,741	1/2	118,786	1/2	133,827	1/2	148,868	1/2	163,868
3/4	13,798	3/4	28,846	3/4	43,879	3/4	58,907	3/4	73,956	3/4	89,005	3/4	104,054	3/4	119,099	3/4	134,140	3/4	149,182	3/4	164,180
11	14,112	11	29,159	11	44,192	11	59,221	11	74,270	11	89,319	11	104,368	11	119,412	11	134,454	11	149,495	11	164,496
1/4	14,425	1/4	29,472	1/4	44,504	1/4	59,534	1/4	74,583	1/4	89,632	1/4	104,681	1/4	119,726	1/4	134,767	1/4	149,809	1/4	164,808
1/2	14,739	1/2	29,786	1/2	44,817	1/2	59,848	1/2	74,897	1/2	89,946	1/2	104,995	1/2	120,039	1/2	135,080	1/2	150,122	1/2	165,120
3/4	15,052	3/4	30,099	3/4	45,129	3/4	60,161	3/4	75,210	3/4	90,259	3/4	105,308	3/4	120,352	3/4	135,394	3/4	150,435	3/4	165,432

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 TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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

Paul J. Gamm



BARGE "HSM 4102"

2 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		GAUGE HEIGHT 15'-11 3/4"	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		150,749	0	165,790	0	180,822	0	195,812	0	210,724	0	0	0	0	0	0	0	0	0	19 FT.	
1/4		151,062	1/4	166,103	1/4	181,134	1/4	196,125	1/4	211,026	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		151,375	1/2	166,417	1/2	181,447	1/2	196,437	1/2	211,328	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		151,689	3/4	166,730	3/4	181,759	3/4	196,749	3/4	211,629	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
1		152,002	1	167,044	1	182,071	1	197,061	1	211,931	1	1	1	1	1	1	1	1	1	1	
1/4		152,315	1/4	167,357	1/4	182,383	1/4	197,374	1/4	212,201	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		152,629	1/2	167,670	1/2	182,696	1/2	197,686	1/2	212,471	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		152,942	3/4	167,984	3/4	183,008	3/4	197,998	3/4	212,741	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
2		153,256	2	168,297	2	183,320	2	198,311	2	213,012	2	2	2	2	2	2	2	2	2	2	
1/4		153,569	1/4	168,610	1/4	183,633	1/4	198,623	1/4	213,230	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		153,882	1/2	168,924	1/2	183,945	1/2	198,935	1/2	213,447	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		154,196	3/4	169,237	3/4	184,257	3/4	199,248	3/4	213,665	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
3		154,509	3	169,550	3	184,569	3	199,560	3	213,883	3	3	3	3	3	3	3	3	3	3	
1/4		154,822	1/4	169,864	1/4	184,882	1/4	199,872	1/4	214,049	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		155,136	1/2	170,177	1/2	185,194	1/2	200,184	1/2	214,215	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		155,449	3/4	170,491	3/4	185,506	3/4	200,497	3/4	214,380	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
4		155,762	4	170,804	4	185,819	4	200,809	4	214,546	4	4	4	4	4	4	4	4	4	4	
1/4		156,076	1/4	171,117	1/4	186,131	1/4	201,121	1/4	214,724	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		156,389	1/2	171,431	1/2	186,443	1/2	201,434	1/2	214,942	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		156,703	3/4	171,744	3/4	186,756	3/4	201,746	3/4	215,160	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
5		157,016	5	172,057	5	187,068	5	202,058	5	215,378	5	5	5	5	5	5	5	5	5	5	
1/4		157,329	1/4	172,371	1/4	187,380	1/4	202,370	1/4	215,596	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		157,643	1/2	172,684	1/2	187,692	1/2	202,681	1/2	215,814	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		157,956	3/4	172,997	3/4	188,005	3/4	202,993	3/4	216,032	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
6		158,269	6	173,311	6	188,317	6	203,304	6	216,250	6	6	6	6	6	6	6	6	6	6	
1/4		158,583	1/4	173,624	1/4	188,629	1/4	203,613	1/4	216,468	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		158,896	1/2	173,938	1/2	188,942	1/2	203,923	1/2	216,686	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		159,209	3/4	174,251	3/4	189,254	3/4	204,232	3/4	216,904	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
7		159,523	7	174,564	7	189,566	7	204,541	7	217,122	7	7	7	7	7	7	7	7	7	7	
1/4		159,836	1/4	174,878	1/4	189,879	1/4	204,850	1/4	217,340	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		160,150	1/2	175,191	1/2	190,191	1/2	205,160	1/2	217,558	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		160,463	3/4	175,504	3/4	190,503	3/4	205,469	3/4	217,776	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
8		160,776	8	175,818	8	190,815	8	205,778	8	217,994	8	8	8	8	8	8	8	8	8	8	
1/4		161,090	1/4	176,131	1/4	191,128	1/4	206,087	1/4	218,212	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		161,403	1/2	176,444	1/2	191,440	1/2	206,397	1/2	218,430	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		161,716	3/4	176,758	3/4	191,752	3/4	206,706	3/4	218,648	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
9		162,030	9	177,071	9	192,065	9	207,016	9	218,866	9	9	9	9	9	9	9	9	9	9	
1/4		162,343	1/4	177,384	1/4	192,377	1/4	207,325	1/4	219,084	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		162,656	1/2	177,697	1/2	192,689	1/2	207,634	1/2	219,302	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		162,970	3/4	178,010	3/4	193,002	3/4	207,944	3/4	219,520	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
10		163,283	10	178,324	10	193,314	10	208,253	10	219,738	10	10	10	10	10	10	10	10	10	10	
1/4		163,597	1/4	178,637	1/4	193,626	1/4	208,562	1/4	220,000	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		163,910	1/2	178,948	1/2	193,938	1/2	208,871	1/2	220,218	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		164,223	3/4	179,260	3/4	194,251	3/4	209,181	3/4	220,436	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4		
11		164,537	11	179,573	11	194,563	11	209,490	11	220,654	11	11	11	11	11	11	11	11	11	11	
1/4		164,850	1/4	179,885	1/4	194,875	1/4	209,798	1/4	220,872	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4		
1/2		165,163	1/2	180,197	1/2	195,188	1/2	210,107	1/2	221,090	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
3/4		165,477	3/4	180,510	3/4	195,500	3/4	210,416	3/4	221,308	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.

STRAPPED: 10/01/2024 CL
CALCULATED: 10/02/2024 CL
PRINTED: 10/02/2024 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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

Tom J. Hearn



BARGE "HSM 4102"

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	831	0	15,287	0	30,243	0	44,981	0	59,496	0	74,374	0	89,306	0	104,251	0	119,186	0	134,118
1/4	1,045	1/4	15,599	1/4	30,555	1/4	45,282	1/4	59,807	1/4	74,684	1/4	89,617	1/4	104,562	1/4	119,497	1/4	134,429
1/2	1,260	1/2	15,910	1/2	30,866	1/2	45,583	1/2	60,118	1/2	75,003	1/2	89,928	1/2	104,874	1/2	119,808	1/2	134,740
3/4	1,474	3/4	16,222	3/4	31,178	3/4	45,884	3/4	60,429	3/4	75,303	3/4	90,240	3/4	105,185	3/4	120,120	3/4	135,051
1	1,689	1	16,534	1	31,489	1	46,185	1	60,741	1	75,613	1	90,551	1	105,497	1	120,431	1	135,362
1/4	1,971	1/4	16,845	1/4	31,801	1/4	46,486	1/4	61,052	1/4	75,922	1/4	90,862	1/4	105,808	1/4	120,742	1/4	135,672
1/2	2,254	1/2	17,157	1/2	32,113	1/2	46,787	1/2	61,363	1/2	76,232	1/2	91,173	1/2	106,120	1/2	121,053	1/2	135,982
3/4	2,536	3/4	17,469	3/4	32,424	3/4	47,089	3/4	61,674	3/4	76,541	3/4	91,485	3/4	106,431	3/4	121,364	3/4	136,291
2	2,819	2	17,780	2	32,736	2	47,390	2	61,986	2	76,851	2	91,796	2	106,742	2	121,675	2	136,601
1/4	3,130	1/4	18,092	1/4	33,048	1/4	47,692	1/4	62,296	1/4	77,161	1/4	92,107	1/4	107,054	1/4	121,986	1/4	136,906
1/2	3,440	1/2	18,403	1/2	33,359	1/2	47,993	1/2	62,607	1/2	77,471	1/2	92,418	1/2	107,365	1/2	122,297	1/2	137,211
3/4	3,751	3/4	18,715	3/4	33,671	3/4	48,295	3/4	62,918	3/4	77,781	3/4	92,730	3/4	107,676	3/4	122,608	3/4	137,516
3	4,062	3	19,027	3	33,982	3	48,597	3	63,229	3	78,091	3	93,041	3	107,987	3	122,919	3	137,821
1/4	4,374	1/4	19,338	1/4	34,294	1/4	48,899	1/4	63,538	1/4	78,403	1/4	93,352	1/4	108,298	1/4	123,230	1/4	138,126
1/2	4,686	1/2	19,650	1/2	34,605	1/2	49,200	1/2	63,848	1/2	78,715	1/2	93,663	1/2	108,609	1/2	123,541	1/2	138,431
3/4	4,997	3/4	19,962	3/4	34,916	3/4	49,502	3/4	64,158	3/4	79,026	3/4	93,974	3/4	108,921	3/4	123,852	3/4	138,736
4	5,309	4	20,273	4	35,228	4	49,804	4	64,467	4	79,338	4	94,286	4	109,232	4	124,164	4	139,042
1/4	5,621	1/4	20,585	1/4	35,537	1/4	50,106	1/4	64,777	1/4	79,649	1/4	94,597	1/4	109,543	1/4	124,475	1/4	139,347
1/2	5,933	1/2	20,896	1/2	35,846	1/2	50,407	1/2	65,086	1/2	79,961	1/2	94,908	1/2	109,854	1/2	124,786	1/2	139,652
3/4	6,245	3/4	21,208	3/4	36,155	3/4	50,709	3/4	65,396	3/4	80,272	3/4	95,219	3/4	110,165	3/4	125,097	3/4	139,957
5	6,556	5	21,520	5	36,464	5	51,011	5	65,706	5	80,584	5	95,531	5	110,476	5	125,408	5	140,262
1/4	6,868	1/4	21,831	1/4	36,768	1/4	51,313	1/4	66,015	1/4	80,895	1/4	95,842	1/4	110,787	1/4	125,719	1/4	140,567
1/2	7,180	1/2	22,143	1/2	37,073	1/2	51,615	1/2	66,325	1/2	81,207	1/2	96,153	1/2	111,098	1/2	126,030	1/2	140,872
3/4	7,492	3/4	22,454	3/4	37,377	3/4	51,916	3/4	66,634	3/4	81,519	3/4	96,464	3/4	111,409	3/4	126,341	3/4	141,177
6	7,804	6	22,766	6	37,681	6	52,218	6	66,944	6	81,830	6	96,776	6	111,720	6	126,652	6	141,482
1/4	8,116	1/4	23,078	1/4	37,985	1/4	52,520	1/4	67,254	1/4	82,142	1/4	97,087	1/4	112,032	1/4	126,963	1/4	141,787
1/2	8,427	1/2	23,389	1/2	38,290	1/2	52,822	1/2	67,563	1/2	82,453	1/2	97,398	1/2	112,343	1/2	127,274	1/2	142,092
3/4	8,739	3/4	23,701	3/4	38,594	3/4	53,123	3/4	67,873	3/4	82,765	3/4	97,710	3/4	112,654	3/4	127,585	3/4	142,397
7	9,051	7	24,013	7	38,898	7	53,425	7	68,182	7	83,076	7	98,021	7	112,965	7	127,896	7	142,702
1/4	9,364	1/4	24,324	1/4	39,203	1/4	53,727	1/4	68,492	1/4	83,388	1/4	98,332	1/4	113,276	1/4	128,208	1/4	143,006
1/2	9,676	1/2	24,636	1/2	39,507	1/2	54,029	1/2	68,802	1/2	83,699	1/2	98,644	1/2	113,587	1/2	128,519	1/2	143,310
3/4	9,988	3/4	24,947	3/4	39,811	3/4	54,330	3/4	69,111	3/4	84,011	3/4	98,955	3/4	113,898	3/4	128,830	3/4	143,614
8	10,300	8	25,259	8	40,116	8	54,632	8	69,421	8	84,323	8	99,267	8	114,209	8	129,141	8	143,919
1/4	10,612	1/4	25,571	1/4	40,420	1/4	54,934	1/4	69,730	1/4	84,634	1/4	99,578	1/4	114,520	1/4	129,452	1/4	144,223
1/2	10,924	1/2	25,882	1/2	40,724	1/2	55,236	1/2	70,040	1/2	84,946	1/2	99,890	1/2	114,831	1/2	129,763	1/2	144,527
3/4	11,236	3/4	26,194	3/4	41,028	3/4	55,538	3/4	70,350	3/4	85,257	3/4	100,201	3/4	115,142	3/4	130,074	3/4	144,831
9	11,548	9	26,505	9	41,333	9	55,839	9	70,659	9	85,569	9	100,513	9	115,453	9	130,385	9	145,135
1/4	11,859	1/4	26,817	1/4	41,637	1/4	56,142	1/4	70,969	1/4	85,880	1/4	100,824	1/4	115,764	1/4	130,696	1/4	145,421
1/2	12,171	1/2	27,128	1/2	41,941	1/2	56,444	1/2	71,278	1/2	86,192	1/2	101,136	1/2	116,076	1/2	131,007	1/2	145,708
3/4	12,483	3/4	27,440	3/4	42,246	3/4	56,747	3/4	71,588	3/4	86,503	3/4	101,447	3/4	116,387	3/4	131,318	3/4	145,994
10	12,794	10	27,751	10	42,550	10	57,050	10	71,898	10	86,815	10	101,759	10	116,698	10	131,629	10	146,280
1/4	13,106	1/4	28,063	1/4	42,854	1/4	57,355	1/4	72,207	1/4	87,126	1/4	102,070	1/4	117,009	1/4	131,940	1/4	146,513
1/2	13,418	1/2	28,374	1/2	43,159	1/2	57,660	1/2	72,517	1/2	87,438	1/2	102,382	1/2	117,320	1/2	132,252	1/2	146,745
3/4	13,729	3/4	28,686	3/4	43,463	3/4	57,964	3/4	72,826	3/4	87,749	3/4	102,693	3/4	117,631	3/4	132,563	3/4	146,977
11	14,041	11	28,997	11	43,767	11	58,269	11	73,136	11	88,061	11	103,005	11	117,942	11	132,874	11	147,210
1/4	14,352	1/4	29,308	1/4	44,071	1/4	58,576	1/4	73,446	1/4	88,372	1/4	103,316	1/4	118,253	1/4	133,185	1/4	147,442
1/2	14,664	1/2	29,620	1/2	44,374	1/2	58,882	1/2	73,755	1/2	88,683	1/2	103,628	1/2	118,564	1/2	133,496	1/2	147,675
3/4	14,976	3/4	29,932	3/4	44,678	3/4	59,189	3/4	74,065	3/4	88,995	3/4	103,939	3/4	118,875	3/4	133,807	3/4	147,907

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 TOP LIP OF 2" MMC VALVE

GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 4102"

3 PORT
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		GAUGE HEIGHT 15'-11 3/4"	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	148,140	0	159,343	0	170,542	0	181,712	0	192,981	0	192,981	0	192,981	0	192,981	0	192,981	0	192,981
1/4	148,372	1/4	159,576	1/4	170,775	1/4	181,945	1/4	193,210	1/4	193,210	1/4	193,210	1/4	193,210	1/4	193,210	1/4	193,210
1/2	148,605	1/2	159,810	1/2	171,008	1/2	182,178	1/2	193,440	1/2	193,440	1/2	193,440	1/2	193,440	1/2	193,440	1/2	193,440
3/4	148,838	3/4	160,043	3/4	171,241	3/4	182,410	3/4	193,669	3/4	193,669	3/4	193,669	3/4	193,669	3/4	193,669	3/4	193,669
1	149,070	1	160,277	1	171,473	1	182,643	1	193,899	1	193,899	1	193,899	1	193,899	1	193,899	1	193,899
1/4	149,304	1/4	160,510	1/4	171,706	1/4	182,876	1/4	194,097	1/4	194,097	1/4	194,097	1/4	194,097	1/4	194,097	1/4	194,097
1/2	149,537	1/2	160,744	1/2	171,939	1/2	183,109	1/2	194,295	1/2	194,295	1/2	194,295	1/2	194,295	1/2	194,295	1/2	194,295
3/4	149,771	3/4	160,977	3/4	172,171	3/4	183,341	3/4	194,493	3/4	194,493	3/4	194,493	3/4	194,493	3/4	194,493	3/4	194,493
2	150,004	2	161,211	2	172,404	2	183,574	2	194,691	2	194,691	2	194,691	2	194,691	2	194,691	2	194,691
1/4	150,238	1/4	161,444	1/4	172,637	1/4	183,807	1/4	194,837	1/4	194,837	1/4	194,837	1/4	194,837	1/4	194,837	1/4	194,837
1/2	150,471	1/2	161,678	1/2	172,869	1/2	184,039	1/2	194,983	1/2	194,983	1/2	194,983	1/2	194,983	1/2	194,983	1/2	194,983
3/4	150,705	3/4	161,911	3/4	173,102	3/4	184,272	3/4	195,129	3/4	195,129	3/4	195,129	3/4	195,129	3/4	195,129	3/4	195,129
3	150,938	3	162,144	3	173,335	3	184,505	3	195,275	3	195,275	3	195,275	3	195,275	3	195,275	3	195,275
1/4	151,172	1/4	162,378	1/4	173,568	1/4	184,738	1/4	195,369	1/4	195,369	1/4	195,369	1/4	195,369	1/4	195,369	1/4	195,369
1/2	151,405	1/2	162,611	1/2	173,800	1/2	184,970	1/2	195,463	1/2	195,463	1/2	195,463	1/2	195,463	1/2	195,463	1/2	195,463
3/4	151,639	3/4	162,845	3/4	174,033	3/4	185,203	3/4	195,557	3/4	195,557	3/4	195,557	3/4	195,557	3/4	195,557	3/4	195,557
4	151,872	4	163,078	4	174,266	4	185,436	4	195,651	4	195,651	4	195,651	4	195,651	4	195,651	4	195,651
1/4	152,105	1/4	163,312	1/4	174,498	1/4	185,668	1/4	195,745	1/4	195,745	1/4	195,745	1/4	195,745	1/4	195,745	1/4	195,745
1/2	152,339	1/2	163,545	1/2	174,731	1/2	185,901	1/2	195,839	1/2	195,839	1/2	195,839	1/2	195,839	1/2	195,839	1/2	195,839
3/4	152,572	3/4	163,779	3/4	174,964	3/4	186,134	3/4	195,933	3/4	195,933	3/4	195,933	3/4	195,933	3/4	195,933	3/4	195,933
5	152,806	5	164,012	5	175,197	5	186,366	5	196,027	5	196,027	5	196,027	5	196,027	5	196,027	5	196,027
1/4	153,039	1/4	164,246	1/4	175,429	1/4	186,599	1/4	196,121	1/4	196,121	1/4	196,121	1/4	196,121	1/4	196,121	1/4	196,121
1/2	153,273	1/2	164,479	1/2	175,662	1/2	186,832	1/2	196,215	1/2	196,215	1/2	196,215	1/2	196,215	1/2	196,215	1/2	196,215
3/4	153,506	3/4	164,713	3/4	175,895	3/4	187,065	3/4	196,309	3/4	196,309	3/4	196,309	3/4	196,309	3/4	196,309	3/4	196,309
6	153,740	6	164,946	6	176,127	6	187,297	6	196,403	6	196,403	6	196,403	6	196,403	6	196,403	6	196,403
1/4	153,973	1/4	165,180	1/4	176,360	1/4	187,530	1/4	196,497	1/4	196,497	1/4	196,497	1/4	196,497	1/4	196,497	1/4	196,497
1/2	154,207	1/2	165,413	1/2	176,593	1/2	187,763	1/2	196,591	1/2	196,591	1/2	196,591	1/2	196,591	1/2	196,591	1/2	196,591
3/4	154,440	3/4	165,646	3/4	176,825	3/4	187,995	3/4	196,685	3/4	196,685	3/4	196,685	3/4	196,685	3/4	196,685	3/4	196,685
7	154,674	7	165,880	7	177,058	7	188,228	7	196,779	7	196,779	7	196,779	7	196,779	7	196,779	7	196,779
1/4	154,907	1/4	166,113	1/4	177,291	1/4	188,462	1/4	196,873	1/4	196,873	1/4	196,873	1/4	196,873	1/4	196,873	1/4	196,873
1/2	155,141	1/2	166,347	1/2	177,524	1/2	188,697	1/2	196,967	1/2	196,967	1/2	196,967	1/2	196,967	1/2	196,967	1/2	196,967
3/4	155,374	3/4	166,580	3/4	177,756	3/4	188,931	3/4	197,061	3/4	197,061	3/4	197,061	3/4	197,061	3/4	197,061	3/4	197,061
8	155,607	8	166,814	8	177,989	8	189,165	8	197,155	8	197,155	8	197,155	8	197,155	8	197,155	8	197,155
1/4	155,841	1/4	167,047	1/4	178,222	1/4	189,404	1/4	197,249	1/4	197,249	1/4	197,249	1/4	197,249	1/4	197,249	1/4	197,249
1/2	156,074	1/2	167,281	1/2	178,454	1/2	189,643	1/2	197,343	1/2	197,343	1/2	197,343	1/2	197,343	1/2	197,343	1/2	197,343
3/4	156,308	3/4	167,514	3/4	178,687	3/4	189,881	3/4	197,437	3/4	197,437	3/4	197,437	3/4	197,437	3/4	197,437	3/4	197,437
9	156,541	9	167,748	9	178,920	9	190,120	9	197,531	9	197,531	9	197,531	9	197,531	9	197,531	9	197,531
1/4	156,775	1/4	167,981	1/4	179,153	1/4	190,359	1/4	197,625	1/4	197,625	1/4	197,625	1/4	197,625	1/4	197,625	1/4	197,625
1/2	157,008	1/2	168,214	1/2	179,385	1/2	190,598	1/2	197,719	1/2	197,719	1/2	197,719	1/2	197,719	1/2	197,719	1/2	197,719
3/4	157,242	3/4	168,447	3/4	179,618	3/4	190,837	3/4	197,813	3/4	197,813	3/4	197,813	3/4	197,813	3/4	197,813	3/4	197,813
10	157,475	10	168,681	10	179,851	10	191,075	10	197,907	10	197,907	10	197,907	10	197,907	10	197,907	10	197,907
1/4	157,709	1/4	168,913	1/4	180,083	1/4	191,314	1/4	198,001	1/4	198,001	1/4	198,001	1/4	198,001	1/4	198,001	1/4	198,001
1/2	157,942	1/2	169,146	1/2	180,316	1/2	191,553	1/2	198,095	1/2	198,095	1/2	198,095	1/2	198,095	1/2	198,095	1/2	198,095
3/4	158,176	3/4	169,379	3/4	180,549	3/4	191,791	3/4	198,189	3/4	198,189	3/4	198,189	3/4	198,189	3/4	198,189	3/4	198,189
11	158,409	11	169,612	11	180,782	11	192,030	11	198,283	11	198,283	11	198,283	11	198,283	11	198,283	11	198,283
1/4	158,643	1/4	169,844	1/4	181,014	1/4	192,268	1/4	198,377	1/4	198,377	1/4	198,377	1/4	198,377	1/4	198,377	1/4	198,377
1/2	158,876	1/2	170,077	1/2	181,247	1/2	192,505	1/2	198,471	1/2	198,471	1/2	198,471	1/2	198,471	1/2	198,471	1/2	198,471
3/4	159,109	3/4	170,310	3/4	181,480	3/4	192,743	3/4	198,565	3/4	198,565	3/4	198,565	3/4	198,565	3/4	198,565	3/4	198,565

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/01/2024 CL
CALCULATED: 10/02/2024 CL
PRINTED: 10/02/2024 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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Tom J. Hearn



BARGE "HSM 4102"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

CAPACITIES GIVEN IN WHOLE GALLONS		GAUGE HEIGHT 15'-11 1/2"															
IN	0 FT.	1 FT.	IN	2 FT.	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	833	0	30,347	0	45,347	0	60,361	0	75,377	0	90,392	0	105,408	0	120,408	0	135,404
1/4	1,048	15,644	30,660	45,659	60,674	75,689	90,705	105,721	120,720	135,716							
1/2	1,263	15,957	30,973	45,972	60,986	76,002	91,018	106,034	121,033	136,029							
3/4	1,478	16,270	31,285	46,284	61,299	76,315	91,331	106,347	121,345	136,341							
1	1,693	16,583	31,598	46,597	61,612	76,628	91,644	106,660	121,658	136,654							
1/4	1,976	16,896	31,911	46,910	61,925	76,941	91,957	106,972	121,970	136,965							
1/2	2,259	17,209	32,224	47,222	62,238	77,254	92,269	107,285	122,283	137,275							
3/4	2,542	17,521	32,537	47,535	62,550	77,566	92,582	107,598	122,595	137,586							
2	2,825	17,834	32,850	47,847	62,863	77,879	92,895	107,911	122,907	137,897							
1/4	3,137	18,147	33,162	48,160	63,176	78,192	93,208	108,223	123,220	138,204							
1/2	3,448	18,460	33,475	48,473	63,489	78,505	93,521	108,536	123,532	138,510							
3/4	3,760	18,773	33,788	48,786	63,802	78,818	93,834	108,848	123,845	138,817							
3	4,072	3	34,101	3	49,099	3	64,115	3	79,131	3	94,146	3	109,161	3	124,157	3	139,123
1/4	4,384	19,398	34,414	49,412	64,427	79,443	94,459	109,473	124,469	139,429							
1/2	4,696	19,711	34,726	49,724	64,740	79,756	94,772	109,786	124,782	139,736							
3/4	5,009	20,024	35,039	50,037	65,053	80,069	95,085	110,098	125,094	140,042							
4	5,321	4	35,352	4	50,350	4	65,366	4	80,382	4	95,398	4	110,411	4	125,407	4	140,349
1/4	5,634	20,650	35,664	50,663	65,679	80,695	95,711	110,723	125,719	140,655							
1/2	5,947	20,962	35,976	50,976	65,992	81,008	96,023	111,036	126,032	140,962							
3/4	6,260	21,275	36,289	51,289	66,304	81,320	96,336	111,348	126,344	141,268							
5	6,573	5	36,601	5	51,601	5	66,617	5	81,633	5	96,649	5	111,660	5	126,656	5	141,574
1/4	6,885	21,901	36,913	51,914	66,930	81,946	96,962	111,973	126,969	141,881							
1/2	7,198	22,214	37,226	52,227	67,243	82,259	97,275	112,285	127,281	142,187							
3/4	7,511	22,526	37,538	52,540	67,556	82,572	97,588	112,598	127,594	142,494							
6	7,824	6	37,850	6	52,853	6	67,869	6	82,885	6	97,900	6	112,910	6	127,906	6	142,800
1/4	8,137	23,152	38,163	53,166	68,181	83,197	98,213	113,223	128,218	143,106							
1/2	8,449	23,465	38,475	53,478	68,494	83,510	98,526	113,535	128,531	143,413							
3/4	8,762	23,778	38,787	53,791	68,807	83,823	98,839	113,847	128,843	143,719							
7	9,075	7	39,100	7	54,104	7	69,120	7	84,136	7	99,152	7	114,160	7	129,156	7	144,025
1/4	9,388	24,403	39,412	54,417	69,433	84,449	99,465	114,472	129,468	144,330							
1/2	9,701	24,716	39,724	54,730	69,746	84,762	99,777	114,785	129,781	144,636							
3/4	10,014	25,029	40,037	55,043	70,058	85,074	100,090	115,097	130,093	144,941							
8	10,326	8	40,349	8	55,355	8	70,371	8	85,387	8	100,403	8	115,409	8	130,405	8	145,247
1/4	10,639	25,655	40,661	55,668	70,684	85,700	100,716	115,722	130,718	145,552							
1/2	10,952	25,968	40,974	55,981	70,997	86,013	101,029	116,034	131,030	145,858							
3/4	11,265	26,280	41,286	56,294	71,310	86,326	101,342	116,347	131,343	146,163							
9	11,578	9	41,598	9	56,607	9	71,623	9	86,638	9	101,654	9	116,659	9	131,655	9	146,469
1/4	11,891	26,906	41,911	56,920	71,935	86,951	101,967	116,972	131,967	146,766							
1/2	12,203	27,219	42,223	57,232	72,248	87,264	102,280	117,284	132,280	147,043							
3/4	12,516	27,532	42,535	57,545	72,561	87,577	102,593	117,596	132,592	147,331							
10	12,829	10	42,848	10	57,858	10	72,874	10	87,890	10	102,906	10	117,909	10	132,905	10	147,618
1/4	13,142	28,157	43,160	58,171	73,187	88,203	103,219	118,221	133,217	147,851							
1/2	13,455	28,470	43,472	58,484	73,500	88,515	103,531	118,534	133,529	148,084							
3/4	13,767	28,783	43,785	58,797	73,812	88,828	103,844	118,846	133,842	148,317							
11	14,080	11	44,097	11	59,109	11	74,125	11	89,141	11	104,157	11	119,158	11	134,154	11	148,550
1/4	14,393	29,409	44,409	59,422	74,438	89,454	104,470	119,471	134,467	148,783							
1/2	14,706	29,721	44,722	59,735	74,751	89,767	104,783	119,783	134,779	149,016							
3/4	15,019	30,034	45,034	60,048	75,064	90,080	105,096	120,096	135,092	149,249							

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 TOP LIP OF 2" MMC VALVE
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

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

Paul J. Hume



BARGE "HSM 4102"

3 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		149,482	0	160,711	0	171,935	0	183,130	0	194,424	0	0	0	0	0	0	0	0	0	0	0
1/4		149,716	1/4	160,945	1/4	172,169	1/4	183,363	1/4	194,654	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		149,949	1/2	161,179	1/2	172,402	1/2	183,597	1/2	194,884	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		150,182	3/4	161,413	3/4	172,635	3/4	183,830	3/4	195,114	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1		150,415	1	161,647	1	172,868	1	184,063	1	195,344	1	1	1	1	1	1	1	1	1	1	1
1/4		150,649	1/4	161,881	1/4	173,101	1/4	184,296	1/4	195,542	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		150,883	1/2	162,115	1/2	173,335	1/2	184,529	1/2	195,741	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		151,117	3/4	162,349	3/4	173,568	3/4	184,763	3/4	195,939	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2		151,351	2	162,583	2	173,801	2	184,996	2	196,138	2	2	2	2	2	2	2	2	2	2	2
1/4		151,585	1/4	162,817	1/4	174,034	1/4	185,229	1/4	196,284	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		151,819	1/2	163,051	1/2	174,268	1/2	185,462	1/2	196,430	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		152,053	3/4	163,285	3/4	174,501	3/4	185,696	3/4	196,577	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3		152,287	3	163,519	3	174,734	3	185,929	3	196,723	3	3	3	3	3	3	3	3	3	3	3
1/4		152,521	1/4	163,753	1/4	174,967	1/4	186,162	1/4	196,817	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		152,755	1/2	163,987	1/2	175,200	1/2	186,395	1/2	196,912	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		152,989	3/4	164,221	3/4	175,434	3/4	186,628	3/4	197,006	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4		153,223	4	164,455	4	175,667	4	186,862	4	197,100	4	4	4	4	4	4	4	4	4	4	4
1/4		153,457	1/4	164,689	1/4	175,900	1/4	187,095	1/4	197,299	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		153,691	1/2	164,923	1/2	176,133	1/2	187,328	1/2	197,498	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		153,925	3/4	165,157	3/4	176,367	3/4	187,561	3/4	197,697	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5		154,159	5	165,391	5	176,600	5	187,795	5	197,894	5	5	5	5	5	5	5	5	5	5	5
1/4		154,393	1/4	165,625	1/4	176,833	1/4	188,028	1/4	198,093	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		154,627	1/2	165,859	1/2	177,066	1/2	188,261	1/2	198,295	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		154,861	3/4	166,093	3/4	177,299	3/4	188,494	3/4	198,489	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6		155,095	6	166,327	6	177,533	6	188,727	6	198,683	6	6	6	6	6	6	6	6	6	6	6
1/4		155,329	1/4	166,560	1/4	177,766	1/4	188,961	1/4	198,878	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		155,563	1/2	166,794	1/2	177,999	1/2	189,194	1/2	199,083	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		155,797	3/4	167,028	3/4	178,232	3/4	189,427	3/4	199,272	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7		156,031	7	167,262	7	178,466	7	189,660	7	199,467	7	7	7	7	7	7	7	7	7	7	7
1/4		156,265	1/4	167,496	1/4	178,699	1/4	189,895	1/4	199,662	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		156,499	1/2	167,730	1/2	178,932	1/2	190,130	1/2	199,855	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		156,733	3/4	167,964	3/4	179,165	3/4	190,365	3/4	199,999	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8		156,967	8	168,198	8	179,399	8	190,599	8	200,199	8	8	8	8	8	8	8	8	8	8	8
1/4		157,201	1/4	168,432	1/4	179,632	1/4	190,839	1/4	200,399	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		157,435	1/2	168,666	1/2	179,865	1/2	191,078	1/2	200,599	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		157,669	3/4	168,900	3/4	180,098	3/4	191,317	3/4	200,799	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9		157,903	9	169,134	9	180,331	9	191,557	9	200,999	9	9	9	9	9	9	9	9	9	9	9
1/4		158,137	1/4	169,368	1/4	180,565	1/4	191,796	1/4	201,199	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		158,371	1/2	169,602	1/2	180,798	1/2	192,035	1/2	201,399	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		158,605	3/4	169,836	3/4	181,031	3/4	192,275	3/4	201,599	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10		158,839	10	170,070	10	181,264	10	192,514	10	201,799	10	10	10	10	10	10	10	10	10	10	10
1/4		159,073	1/4	170,303	1/4	181,498	1/4	192,753	1/4	201,999	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		159,307	1/2	170,536	1/2	181,731	1/2	192,992	1/2	202,199	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		159,541	3/4	170,769	3/4	181,964	3/4	193,231	3/4	202,399	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11		159,775	11	171,002	11	182,197	11	193,471	11	202,599	11	11	11	11	11	11	11	11	11	11	11
1/4		160,009	1/4	171,236	1/4	182,430	1/4	193,709	1/4	202,799	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2		160,243	1/2	171,469	1/2	182,664	1/2	193,947	1/2	202,999	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4		160,477	3/4	171,702	3/4	182,897	3/4	194,185	3/4	203,199	3/4	3/4	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.

STRAPPED: 10/01/2024 CL
CALCULATED: 10/02/2024 CL
PRINTED: 10/02/2024 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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