



BARGE "HSM 4106"

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	00-1/4	- 00-1/4
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	00-1/4	- 00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

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"

November 14, 2024

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 4106"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	248	0	12,867	0	27,720	0	42,738	0	57,697	0	72,670	0	87,689	0	102,708	0	117,722	0	132,734
1/4	403	1/4	13,165	1/4	28,032	1/4	43,051	1/4	58,007	1/4	72,983	1/4	88,002	1/4	103,020	1/4	118,034	1/4	133,047
1/2	559	1/2	13,462	1/2	28,345	1/2	43,364	1/2	58,318	1/2	73,296	1/2	88,315	1/2	103,333	1/2	118,347	1/2	133,359
3/4	715	3/4	13,759	3/4	28,658	3/4	43,676	3/4	58,628	3/4	73,609	3/4	88,628	3/4	103,646	3/4	118,660	3/4	133,672
1	871	1	14,057	1	28,971	1	43,989	1	58,939	1	73,922	1	88,940	1	103,959	1	118,973	1	133,985
1/4	1,098	1/4	14,358	1/4	29,284	1/4	44,302	1/4	59,249	1/4	74,235	1/4	89,253	1/4	104,272	1/4	119,285	1/4	134,298
1/2	1,326	1/2	14,659	1/2	29,597	1/2	44,615	1/2	59,560	1/2	74,548	1/2	89,566	1/2	104,585	1/2	119,598	1/2	134,610
3/4	1,553	3/4	14,960	3/4	29,910	3/4	44,928	3/4	59,870	3/4	74,860	3/4	89,879	3/4	104,898	3/4	119,911	3/4	134,923
2	1,781	2	15,261	2	30,223	2	45,241	2	60,181	2	75,173	2	90,192	2	105,211	2	120,224	2	135,236
1/4	2,041	1/4	15,566	1/4	30,535	1/4	45,554	1/4	60,491	1/4	75,486	1/4	90,505	1/4	105,524	1/4	120,537	1/4	135,549
1/2	2,300	1/2	15,870	1/2	30,848	1/2	45,867	1/2	60,802	1/2	75,799	1/2	90,818	1/2	105,836	1/2	120,849	1/2	135,861
3/4	2,560	3/4	16,175	3/4	31,161	3/4	46,179	3/4	61,112	3/4	76,112	3/4	91,131	3/4	106,149	3/4	121,162	3/4	136,174
3	2,820	3	16,480	3	31,474	3	46,492	3	61,423	3	76,425	3	91,444	3	106,462	3	121,475	3	136,487
1/4	3,084	1/4	16,788	1/4	31,787	1/4	46,805	1/4	61,734	1/4	76,738	1/4	91,756	1/4	106,775	1/4	121,788	1/4	136,800
1/2	3,348	1/2	17,096	1/2	32,100	1/2	47,118	1/2	62,044	1/2	77,051	1/2	92,069	1/2	107,088	1/2	122,100	1/2	137,112
3/4	3,612	3/4	17,405	3/4	32,413	3/4	47,431	3/4	62,355	3/4	77,364	3/4	92,382	3/4	107,401	3/4	122,413	3/4	137,425
4	3,876	4	17,713	4	32,726	4	47,744	4	62,666	4	77,676	4	92,695	4	107,714	4	122,726	4	137,738
1/4	4,145	1/4	18,024	1/4	33,039	1/4	48,056	1/4	62,977	1/4	77,989	1/4	93,008	1/4	108,026	1/4	123,039	1/4	138,051
1/2	4,413	1/2	18,336	1/2	33,351	1/2	48,369	1/2	63,288	1/2	78,302	1/2	93,321	1/2	108,339	1/2	123,351	1/2	138,363
3/4	4,681	3/4	18,647	3/4	33,664	3/4	48,681	3/4	63,599	3/4	78,615	3/4	93,634	3/4	108,652	3/4	123,664	3/4	138,676
5	4,949	5	18,959	5	33,977	5	48,994	5	63,910	5	78,928	5	93,947	5	108,965	5	123,977	5	138,989
1/4	5,221	1/4	19,272	1/4	34,290	1/4	49,305	1/4	64,223	1/4	79,241	1/4	94,260	1/4	109,277	1/4	124,290	1/4	139,302
1/2	5,493	1/2	19,585	1/2	34,603	1/2	49,617	1/2	64,536	1/2	79,554	1/2	94,572	1/2	109,590	1/2	124,602	1/2	139,614
3/4	5,765	3/4	19,898	3/4	34,916	3/4	49,928	3/4	64,848	3/4	79,867	3/4	94,885	3/4	109,903	3/4	124,915	3/4	139,927
6	6,036	6	20,210	6	35,229	6	50,240	6	65,161	6	80,180	6	95,198	6	110,216	6	125,228	6	140,240
1/4	6,312	1/4	20,523	1/4	35,542	1/4	50,551	1/4	65,474	1/4	80,492	1/4	95,511	1/4	110,528	1/4	125,541	1/4	140,553
1/2	6,587	1/2	20,836	1/2	35,854	1/2	50,862	1/2	65,787	1/2	80,805	1/2	95,824	1/2	110,841	1/2	125,853	1/2	140,865
3/4	6,863	3/4	21,149	3/4	36,167	3/4	51,174	3/4	66,100	3/4	81,118	3/4	96,137	3/4	111,154	3/4	126,166	3/4	141,178
7	7,138	7	21,462	7	36,480	7	51,485	7	66,412	7	81,431	7	96,450	7	111,467	7	126,479	7	141,491
1/4	7,418	1/4	21,775	1/4	36,793	1/4	51,796	1/4	66,725	1/4	81,744	1/4	96,763	1/4	111,779	1/4	126,792	1/4	141,804
1/2	7,697	1/2	22,088	1/2	37,106	1/2	52,107	1/2	67,038	1/2	82,057	1/2	97,076	1/2	112,092	1/2	127,104	1/2	142,116
3/4	7,976	3/4	22,401	3/4	37,419	3/4	52,418	3/4	67,351	3/4	82,370	3/4	97,388	3/4	112,405	3/4	127,417	3/4	142,429
8	8,255	8	22,713	8	37,732	8	52,728	8	67,664	8	82,683	8	97,701	8	112,718	8	127,730	8	142,742
1/4	8,538	1/4	23,026	1/4	38,045	1/4	53,039	1/4	67,977	1/4	82,996	1/4	98,014	1/4	113,030	1/4	128,043	1/4	143,055
1/2	8,821	1/2	23,339	1/2	38,357	1/2	53,349	1/2	68,290	1/2	83,308	1/2	98,327	1/2	113,343	1/2	128,355	1/2	143,367
3/4	9,103	3/4	23,652	3/4	38,670	3/4	53,660	3/4	68,603	3/4	83,621	3/4	98,640	3/4	113,656	3/4	128,668	3/4	143,680
9	9,386	9	23,965	9	38,983	9	53,970	9	68,916	9	83,934	9	98,953	9	113,969	9	128,981	9	143,993
1/4	9,673	1/4	24,278	1/4	39,296	1/4	54,281	1/4	69,228	1/4	84,247	1/4	99,266	1/4	114,281	1/4	129,294	1/4	144,306
1/2	9,959	1/2	24,591	1/2	39,609	1/2	54,592	1/2	69,541	1/2	84,560	1/2	99,579	1/2	114,594	1/2	129,606	1/2	144,618
3/4	10,246	3/4	24,904	3/4	39,922	3/4	54,902	3/4	69,854	3/4	84,873	3/4	99,892	3/4	114,907	3/4	129,919	3/4	144,931
10	10,532	10	25,217	10	40,235	10	55,213	10	70,167	10	85,186	10	100,204	10	115,220	10	130,232	10	145,244
1/4	10,822	1/4	25,529	1/4	40,548	1/4	55,523	1/4	70,480	1/4	85,499	1/4	100,517	1/4	115,532	1/4	130,545	1/4	145,557
1/2	11,112	1/2	25,842	1/2	40,860	1/2	55,834	1/2	70,793	1/2	85,812	1/2	100,830	1/2	115,845	1/2	130,857	1/2	145,870
3/4	11,402	3/4	26,155	3/4	41,173	3/4	56,144	3/4	71,106	3/4	86,124	3/4	101,143	3/4	116,158	3/4	131,170	3/4	146,182
11	11,692	11	26,468	11	41,486	11	56,455	11	71,419	11	86,437	11	101,456	11	116,471	11	131,483	11	146,495
1/4	11,986	1/4	26,781	1/4	41,799	1/4	56,765	1/4	71,732	1/4	86,750	1/4	101,769	1/4	116,783	1/4	131,796	1/4	146,808
1/2	12,280	1/2	27,094	1/2	42,112	1/2	57,076	1/2	72,044	1/2	87,063	1/2	102,082	1/2	117,096	1/2	132,108	1/2	147,121
3/4	12,574	3/4	27,407	3/4	42,425	3/4	57,386	3/4	72,357	3/4	87,376	3/4	102,395	3/4	117,409	3/4	132,421	3/4	147,433

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
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BARGE "HSM 4106"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	147,746	0	162,758	0	177,762	0	192,730	0	207,644	0		0		0		0		0	
1/4	148,059	1/4	163,071	1/4	178,074	1/4	193,042	1/4	207,946	1/4		1/4		1/4		1/4		1/4	
1/2	148,372	1/2	163,384	1/2	178,386	1/2	193,354	1/2	208,249	1/2		1/2		1/2		1/2		1/2	
3/4	148,684	3/4	163,696	3/4	178,698	3/4	193,666	3/4	208,551	3/4		3/4		3/4		3/4		3/4	
1	148,997	1	164,009	1	179,009	1	193,978	1	208,853	1		1		1		1		1	
1/4	149,310	1/4	164,322	1/4	179,321	1/4	194,290	1/4	209,124	1/4		1/4		1/4		1/4		1/4	
1/2	149,623	1/2	164,635	1/2	179,633	1/2	194,602	1/2	209,394	1/2		1/2		1/2		1/2		1/2	
3/4	149,935	3/4	164,947	3/4	179,945	3/4	194,913	3/4	209,665	3/4		3/4		3/4		3/4		3/4	
2	150,248	2	165,260	2	180,257	2	195,225	2	209,936	2		2		2		2		2	
1/4	150,561	1/4	165,573	1/4	180,569	1/4	195,537	1/4	210,154	1/4		1/4		1/4		1/4		1/4	
1/2	150,874	1/2	165,886	1/2	180,881	1/2	195,849	1/2	210,373	1/2		1/2		1/2		1/2		1/2	
3/4	151,186	3/4	166,198	3/4	181,192	3/4	196,161	3/4	210,591	3/4		3/4		3/4		3/4		3/4	
3	151,499	3	166,511	3	181,504	3	196,473	3	210,810	3		3		3		3		3	
1/4	151,812	1/4	166,824	1/4	181,816	1/4	196,784	1/4	210,976	1/4		1/4		1/4		1/4		1/4	
1/2	152,125	1/2	167,137	1/2	182,128	1/2	197,096	1/2	211,143	1/2		1/2		1/2		1/2		1/2	
3/4	152,437	3/4	167,449	3/4	182,440	3/4	197,408	3/4	211,309	3/4		3/4		3/4		3/4		3/4	
4	152,750	4	167,762	4	182,752	4	197,720	4	211,476	4		4		4		4		4	
1/4	153,063	1/4	168,075	1/4	183,063	1/4	198,032	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,376	1/2	168,388	1/2	183,375	1/2	198,344	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,688	3/4	168,700	3/4	183,687	3/4	198,655	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,001	5	169,013	5	183,999	5	198,967	5		5		5		5		5		5	
1/4	154,314	1/4	169,326	1/4	184,311	1/4	199,279	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,627	1/2	169,639	1/2	184,623	1/2	199,590	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,939	3/4	169,951	3/4	184,934	3/4	199,901	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,252	6	170,264	6	185,246	6	200,212	6		6		6		6		6		6	
1/4	155,565	1/4	170,577	1/4	185,558	1/4	200,522	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,878	1/2	170,890	1/2	185,870	1/2	200,832	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,190	3/4	171,203	3/4	186,182	3/4	201,142	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,503	7	171,515	7	186,494	7	201,451	7		7		7		7		7		7	
1/4	156,816	1/4	171,828	1/4	186,805	1/4	201,761	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,129	1/2	172,141	1/2	187,117	1/2	202,071	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,441	3/4	172,454	3/4	187,429	3/4	202,380	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,754	8	172,766	8	187,741	8	202,690	8		8		8		8		8		8	
1/4	158,067	1/4	173,079	1/4	188,053	1/4	203,000	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,380	1/2	173,392	1/2	188,365	1/2	203,310	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,692	3/4	173,705	3/4	188,677	3/4	203,620	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,005	9	174,017	9	188,988	9	203,930	9		9		9		9		9		9	
1/4	159,318	1/4	174,330	1/4	189,300	1/4	204,239	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,631	1/2	174,642	1/2	189,612	1/2	204,549	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,943	3/4	174,955	3/4	189,924	3/4	204,859	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,256	10	175,267	10	190,236	10	205,169	10		10		10		10		10		10	
1/4	160,569	1/4	175,579	1/4	190,548	1/4	205,479	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,882	1/2	175,891	1/2	190,859	1/2	205,788	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,194	3/4	176,203	3/4	191,171	3/4	206,098	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,507	11	176,515	11	191,483	11	206,408	11		11		11		11		11		11	
1/4	161,820	1/4	176,827	1/4	191,795	1/4	206,717	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,133	1/2	177,138	1/2	192,107	1/2	207,026	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,445	3/4	177,450	3/4	192,419	3/4	207,335	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4106"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	248	0	12,874	0	27,731	0	42,755	0	57,774	0	72,795	0	87,819	0	102,842	0	117,862	0	132,879
1/4	404	1/4	13,171	1/4	28,044	1/4	43,068	1/4	58,087	1/4	73,108	1/4	88,132	1/4	103,155	1/4	118,175	1/4	133,192
1/2	560	1/2	13,469	1/2	28,357	1/2	43,381	1/2	58,399	1/2	73,421	1/2	88,445	1/2	103,468	1/2	118,487	1/2	133,505
3/4	716	3/4	13,766	3/4	28,670	3/4	43,694	3/4	58,712	3/4	73,734	3/4	88,758	3/4	103,781	3/4	118,800	3/4	133,818
1	872	1	14,064	1	28,983	1	44,007	1	59,025	1	74,047	1	89,071	1	104,094	1	119,113	1	134,130
1/4	1,100	1/4	14,365	1/4	29,296	1/4	44,320	1/4	59,338	1/4	74,360	1/4	89,384	1/4	104,407	1/4	119,426	1/4	134,443
1/2	1,327	1/2	14,666	1/2	29,609	1/2	44,633	1/2	59,650	1/2	74,673	1/2	89,697	1/2	104,720	1/2	119,739	1/2	134,756
3/4	1,555	3/4	14,967	3/4	29,922	3/4	44,946	3/4	59,963	3/4	74,986	3/4	90,010	3/4	105,033	3/4	120,052	3/4	135,069
2	1,782	2	15,268	2	30,235	2	45,259	2	60,276	2	75,299	2	90,323	2	105,346	2	120,365	2	135,382
1/4	2,042	1/4	15,573	1/4	30,548	1/4	45,572	1/4	60,589	1/4	75,612	1/4	90,636	1/4	105,659	1/4	120,677	1/4	135,695
1/2	2,302	1/2	15,878	1/2	30,861	1/2	45,885	1/2	60,902	1/2	75,925	1/2	90,949	1/2	105,972	1/2	120,990	1/2	136,008
3/4	2,562	3/4	16,183	3/4	31,174	3/4	46,198	3/4	61,214	3/4	76,238	3/4	91,262	3/4	106,285	3/4	121,303	3/4	136,321
3	2,822	3	16,488	3	31,487	3	46,511	3	61,527	3	76,551	3	91,575	3	106,598	3	121,616	3	136,633
1/4	3,086	1/4	16,796	1/4	31,800	1/4	46,824	1/4	61,840	1/4	76,864	1/4	91,888	1/4	106,911	1/4	121,929	1/4	136,946
1/2	3,350	1/2	17,104	1/2	32,113	1/2	47,137	1/2	62,153	1/2	77,177	1/2	92,200	1/2	107,224	1/2	122,242	1/2	137,259
3/4	3,615	3/4	17,413	3/4	32,426	3/4	47,450	3/4	62,466	3/4	77,490	3/4	92,513	3/4	107,537	3/4	122,555	3/4	137,572
4	3,879	4	17,721	4	32,739	4	47,763	4	62,779	4	77,803	4	92,826	4	107,850	4	122,868	4	137,885
1/4	4,147	1/4	18,033	1/4	33,052	1/4	48,075	1/4	63,092	1/4	78,116	1/4	93,139	1/4	108,163	1/4	123,180	1/4	138,198
1/2	4,416	1/2	18,344	1/2	33,365	1/2	48,388	1/2	63,405	1/2	78,429	1/2	93,452	1/2	108,476	1/2	123,493	1/2	138,511
3/4	4,684	3/4	18,656	3/4	33,678	3/4	48,701	3/4	63,718	3/4	78,742	3/4	93,765	3/4	108,789	3/4	123,806	3/4	138,823
5	4,952	5	18,968	5	33,991	5	49,014	5	64,031	5	79,055	5	94,078	5	109,102	5	124,119	5	139,136
1/4	5,224	1/4	19,281	1/4	34,304	1/4	49,327	1/4	64,344	1/4	79,368	1/4	94,391	1/4	109,414	1/4	124,432	1/4	139,449
1/2	5,496	1/2	19,594	1/2	34,617	1/2	49,640	1/2	64,657	1/2	79,681	1/2	94,704	1/2	109,727	1/2	124,745	1/2	139,762
3/4	5,768	3/4	19,907	3/4	34,930	3/4	49,953	3/4	64,970	3/4	79,994	3/4	95,017	3/4	110,040	3/4	125,058	3/4	140,075
6	6,040	6	20,220	6	35,243	6	50,266	6	65,283	6	80,307	6	95,330	6	110,353	6	125,370	6	140,388
1/4	6,316	1/4	20,533	1/4	35,556	1/4	50,579	1/4	65,596	1/4	80,620	1/4	95,643	1/4	110,666	1/4	125,683	1/4	140,701
1/2	6,591	1/2	20,846	1/2	35,869	1/2	50,892	1/2	65,909	1/2	80,933	1/2	95,956	1/2	110,979	1/2	125,996	1/2	141,014
3/4	6,867	3/4	21,159	3/4	36,182	3/4	51,205	3/4	66,222	3/4	81,246	3/4	96,269	3/4	111,292	3/4	126,309	3/4	141,326
7	7,143	7	21,472	7	36,495	7	51,518	7	66,535	7	81,559	7	96,582	7	111,605	7	126,622	7	141,639
1/4	7,422	1/4	21,785	1/4	36,808	1/4	51,831	1/4	66,848	1/4	81,872	1/4	96,895	1/4	111,917	1/4	126,935	1/4	141,952
1/2	7,701	1/2	22,098	1/2	37,121	1/2	52,144	1/2	67,161	1/2	82,185	1/2	97,208	1/2	112,230	1/2	127,248	1/2	142,265
3/4	7,980	3/4	22,411	3/4	37,434	3/4	52,457	3/4	67,474	3/4	82,498	3/4	97,521	3/4	112,543	3/4	127,560	3/4	142,578
8	8,260	8	22,724	8	37,747	8	52,770	8	67,787	8	82,811	8	97,834	8	112,856	8	127,873	8	142,891
1/4	8,543	1/4	23,037	1/4	38,060	1/4	53,082	1/4	68,100	1/4	83,124	1/4	98,147	1/4	113,169	1/4	128,186	1/4	143,204
1/2	8,826	1/2	23,350	1/2	38,373	1/2	53,395	1/2	68,413	1/2	83,437	1/2	98,460	1/2	113,482	1/2	128,499	1/2	143,516
3/4	9,108	3/4	23,663	3/4	38,686	3/4	53,708	3/4	68,726	3/4	83,750	3/4	98,773	3/4	113,795	3/4	128,812	3/4	143,829
9	9,391	9	23,976	9	38,999	9	54,021	9	69,039	9	84,063	9	99,086	9	114,107	9	129,125	9	144,142
1/4	9,678	1/4	24,288	1/4	39,312	1/4	54,333	1/4	69,352	1/4	84,376	1/4	99,399	1/4	114,420	1/4	129,438	1/4	144,455
1/2	9,964	1/2	24,601	1/2	39,625	1/2	54,646	1/2	69,665	1/2	84,689	1/2	99,712	1/2	114,733	1/2	129,750	1/2	144,768
3/4	10,251	3/4	24,914	3/4	39,938	3/4	54,959	3/4	69,978	3/4	85,002	3/4	100,025	3/4	115,046	3/4	130,063	3/4	145,081
10	10,538	10	25,227	10	40,251	10	55,272	10	70,291	10	85,315	10	100,338	10	115,359	10	130,376	10	145,394
1/4	10,828	1/4	25,540	1/4	40,564	1/4	55,585	1/4	70,604	1/4	85,628	1/4	100,651	1/4	115,672	1/4	130,689	1/4	145,707
1/2	11,118	1/2	25,853	1/2	40,877	1/2	55,897	1/2	70,917	1/2	85,941	1/2	100,964	1/2	115,985	1/2	131,002	1/2	146,019
3/4	11,408	3/4	26,166	3/4	41,190	3/4	56,210	3/4	71,230	3/4	86,254	3/4	101,277	3/4	116,297	3/4	131,315	3/4	146,332
11	11,698	11	26,479	11	41,503	11	56,523	11	71,543	11	86,567	11	101,590	11	116,610	11	131,628	11	146,645
1/4	11,992	1/4	26,792	1/4	41,816	1/4	56,836	1/4	71,856	1/4	86,880	1/4	101,903	1/4	116,923	1/4	131,940	1/4	146,958
1/2	12,286	1/2	27,105	1/2	42,129	1/2	57,148	1/2	72,169	1/2	87,193	1/2	102,216	1/2	117,236	1/2	132,253	1/2	147,271
3/4	12,580	3/4	27,418	3/4	42,442	3/4	57,461	3/4	72,482	3/4	87,506	3/4	102,529	3/4	117,549	3/4	132,566	3/4	147,584

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HSM 4106"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	147,897	0	162,914	0	177,924	0	192,897	0	207,816	0		0		0		0		0	
1/4	148,209	1/4	163,227	1/4	178,235	1/4	193,209	1/4	208,119	1/4		1/4		1/4		1/4		1/4	
1/2	148,522	1/2	163,540	1/2	178,547	1/2	193,521	1/2	208,421	1/2		1/2		1/2		1/2		1/2	
3/4	148,835	3/4	163,853	3/4	178,859	3/4	193,833	3/4	208,723	3/4		3/4		3/4		3/4		3/4	
1	149,148	1	164,166	1	179,171	1	194,145	1	209,026	1		1		1		1		1	
1/4	149,461	1/4	164,478	1/4	179,483	1/4	194,457	1/4	209,296	1/4		1/4		1/4		1/4		1/4	
1/2	149,774	1/2	164,791	1/2	179,795	1/2	194,769	1/2	209,567	1/2		1/2		1/2		1/2		1/2	
3/4	150,087	3/4	165,104	3/4	180,107	3/4	195,081	3/4	209,838	3/4		3/4		3/4		3/4		3/4	
2	150,400	2	165,417	2	180,419	2	195,393	2	210,109	2		2		2		2		2	
1/4	150,712	1/4	165,730	1/4	180,731	1/4	195,705	1/4	210,327	1/4		1/4		1/4		1/4		1/4	
1/2	151,025	1/2	166,043	1/2	181,043	1/2	196,017	1/2	210,546	1/2		1/2		1/2		1/2		1/2	
3/4	151,338	3/4	166,356	3/4	181,355	3/4	196,329	3/4	210,765	3/4		3/4		3/4		3/4		3/4	
3	151,651	3	166,669	3	181,667	3	196,641	3	210,983	3		3		3		3		3	
1/4	151,964	1/4	166,981	1/4	181,979	1/4	196,953	1/4	211,150	1/4		1/4		1/4		1/4		1/4	
1/2	152,277	1/2	167,294	1/2	182,291	1/2	197,265	1/2	211,316	1/2		1/2		1/2		1/2		1/2	
3/4	152,590	3/4	167,607	3/4	182,603	3/4	197,577	3/4	211,483	3/4		3/4		3/4		3/4		3/4	
4	152,902	4	167,920	4	182,915	4	197,889	4	211,649	4		4		4		4		4	
1/4	153,215	1/4	168,233	1/4	183,227	1/4	198,201	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,528	1/2	168,546	1/2	183,539	1/2	198,512	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,841	3/4	168,859	3/4	183,851	3/4	198,824	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,154	5	169,171	5	184,163	5	199,136	5		5		5		5		5		5	
1/4	154,467	1/4	169,484	1/4	184,475	1/4	199,448	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,780	1/2	169,797	1/2	184,786	1/2	199,759	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,092	3/4	170,110	3/4	185,098	3/4	200,071	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,405	6	170,423	6	185,410	6	200,382	6		6		6		6		6		6	
1/4	155,718	1/4	170,736	1/4	185,722	1/4	200,692	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,031	1/2	171,049	1/2	186,034	1/2	201,002	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,344	3/4	171,362	3/4	186,346	3/4	201,311	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,657	7	171,674	7	186,658	7	201,621	7		7		7		7		7		7	
1/4	156,970	1/4	171,987	1/4	186,970	1/4	201,931	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,283	1/2	172,300	1/2	187,282	1/2	202,241	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,595	3/4	172,613	3/4	187,594	3/4	202,551	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,908	8	172,926	8	187,906	8	202,861	8		8		8		8		8		8	
1/4	158,221	1/4	173,239	1/4	188,218	1/4	203,171	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,534	1/2	173,552	1/2	188,530	1/2	203,481	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,847	3/4	173,864	3/4	188,842	3/4	203,791	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,160	9	174,177	9	189,154	9	204,101	9		9		9		9		9		9	
1/4	159,473	1/4	174,490	1/4	189,466	1/4	204,410	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,785	1/2	174,803	1/2	189,778	1/2	204,720	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,098	3/4	175,115	3/4	190,090	3/4	205,030	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,411	10	175,428	10	190,402	10	205,340	10		10		10		10		10		10	
1/4	160,724	1/4	175,740	1/4	190,714	1/4	205,650	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,037	1/2	176,052	1/2	191,026	1/2	205,960	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,350	3/4	176,364	3/4	191,338	3/4	206,270	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,663	11	176,676	11	191,649	11	206,579	11		11		11		11		11		11	
1/4	161,976	1/4	176,988	1/4	191,961	1/4	206,889	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,288	1/2	177,300	1/2	192,273	1/2	207,198	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,601	3/4	177,612	3/4	192,585	3/4	207,507	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4106"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/2"

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	835	0	15,369	0	30,419	0	45,157	0	59,919	0	74,972	0	90,024	0	105,077	0	120,124	0	135,169
1/4	1,050	1/4	15,683	1/4	30,732	1/4	45,459	1/4	60,233	1/4	75,285	1/4	90,338	1/4	105,391	1/4	120,438	1/4	135,483
1/2	1,266	1/2	15,996	1/2	31,046	1/2	45,762	1/2	60,546	1/2	75,599	1/2	90,651	1/2	105,704	1/2	120,751	1/2	135,796
3/4	1,481	3/4	16,310	3/4	31,360	3/4	46,064	3/4	60,860	3/4	75,912	3/4	90,965	3/4	106,018	3/4	121,065	3/4	136,110
1	1,697	1	16,623	1	31,673	1	46,367	1	61,173	1	76,226	1	91,279	1	106,331	1	121,378	1	136,423
1/4	1,981	1/4	16,937	1/4	31,987	1/4	46,669	1/4	61,487	1/4	76,540	1/4	91,592	1/4	106,645	1/4	121,692	1/4	136,737
1/2	2,265	1/2	17,250	1/2	32,300	1/2	46,972	1/2	61,801	1/2	76,853	1/2	91,906	1/2	106,959	1/2	122,005	1/2	137,050
3/4	2,548	3/4	17,564	3/4	32,614	3/4	47,274	3/4	62,114	3/4	77,167	3/4	92,219	3/4	107,272	3/4	122,318	3/4	137,364
2	2,832	2	17,878	2	32,928	2	47,577	2	62,428	2	77,480	2	92,533	2	107,586	2	122,632	2	137,677
1/4	3,144	1/4	18,191	1/4	33,241	1/4	47,879	1/4	62,741	1/4	77,794	1/4	92,847	1/4	107,899	1/4	122,945	1/4	137,990
1/2	3,457	1/2	18,505	1/2	33,555	1/2	48,182	1/2	63,055	1/2	78,108	1/2	93,160	1/2	108,213	1/2	123,259	1/2	138,304
3/4	3,769	3/4	18,818	3/4	33,868	3/4	48,484	3/4	63,369	3/4	78,421	3/4	93,474	3/4	108,526	3/4	123,572	3/4	138,617
3	4,081	3	19,132	3	34,182	3	48,787	3	63,682	3	78,735	3	93,787	3	108,840	3	123,886	3	138,931
1/4	4,395	1/4	19,446	1/4	34,495	1/4	49,090	1/4	63,996	1/4	79,048	1/4	94,101	1/4	109,154	1/4	124,199	1/4	139,244
1/2	4,708	1/2	19,759	1/2	34,809	1/2	49,392	1/2	64,309	1/2	79,362	1/2	94,415	1/2	109,467	1/2	124,513	1/2	139,558
3/4	5,021	3/4	20,073	3/4	35,123	3/4	49,695	3/4	64,623	3/4	79,676	3/4	94,728	3/4	109,781	3/4	124,826	3/4	139,871
4	5,334	4	20,386	4	35,436	4	49,998	4	64,937	4	79,989	4	95,042	4	110,094	4	125,139	4	140,184
1/4	5,648	1/4	20,700	1/4	35,747	1/4	50,301	1/4	65,250	1/4	80,303	1/4	95,355	1/4	110,408	1/4	125,453	1/4	140,498
1/2	5,961	1/2	21,014	1/2	36,058	1/2	50,604	1/2	65,564	1/2	80,616	1/2	95,669	1/2	110,721	1/2	125,766	1/2	140,811
3/4	6,275	3/4	21,327	3/4	36,369	3/4	50,907	3/4	65,877	3/4	80,930	3/4	95,983	3/4	111,035	3/4	126,080	3/4	141,125
5	6,589	5	21,641	5	36,680	5	51,209	5	66,191	5	81,244	5	96,296	5	111,348	5	126,393	5	141,438
1/4	6,902	1/4	21,954	1/4	36,984	1/4	51,513	1/4	66,505	1/4	81,557	1/4	96,610	1/4	111,661	1/4	126,707	1/4	141,752
1/2	7,216	1/2	22,268	1/2	37,287	1/2	51,816	1/2	66,818	1/2	81,871	1/2	96,923	1/2	111,975	1/2	127,020	1/2	142,065
3/4	7,529	3/4	22,581	3/4	37,591	3/4	52,120	3/4	67,132	3/4	82,184	3/4	97,237	3/4	112,288	3/4	127,333	3/4	142,379
6	7,843	6	22,895	6	37,894	6	52,423	6	67,445	6	82,498	6	97,551	6	112,602	6	127,647	6	142,692
1/4	8,156	1/4	23,209	1/4	38,197	1/4	52,729	1/4	67,759	1/4	82,812	1/4	97,864	1/4	112,915	1/4	127,960	1/4	143,005
1/2	8,470	1/2	23,522	1/2	38,500	1/2	53,035	1/2	68,073	1/2	83,125	1/2	98,178	1/2	113,229	1/2	128,274	1/2	143,319
3/4	8,784	3/4	23,836	3/4	38,804	3/4	53,341	3/4	68,386	3/4	83,439	3/4	98,491	3/4	113,542	3/4	128,587	3/4	143,632
7	9,097	7	24,149	7	39,107	7	53,647	7	68,700	7	83,752	7	98,805	7	113,856	7	128,901	7	143,946
1/4	9,411	1/4	24,463	1/4	39,409	1/4	53,961	1/4	69,013	1/4	84,066	1/4	99,119	1/4	114,169	1/4	129,214	1/4	144,259
1/2	9,724	1/2	24,777	1/2	39,712	1/2	54,274	1/2	69,327	1/2	84,380	1/2	99,432	1/2	114,482	1/2	129,528	1/2	144,573
3/4	10,038	3/4	25,090	3/4	40,014	3/4	54,588	3/4	69,640	3/4	84,693	3/4	99,746	3/4	114,796	3/4	129,841	3/4	144,886
8	10,352	8	25,404	8	40,317	8	54,901	8	69,954	8	85,007	8	100,059	8	115,109	8	130,154	8	145,199
1/4	10,665	1/4	25,717	1/4	40,619	1/4	55,215	1/4	70,268	1/4	85,320	1/4	100,373	1/4	115,423	1/4	130,468	1/4	145,513
1/2	10,979	1/2	26,031	1/2	40,922	1/2	55,529	1/2	70,581	1/2	85,634	1/2	100,687	1/2	115,736	1/2	130,781	1/2	145,826
3/4	11,292	3/4	26,344	3/4	41,224	3/4	55,842	3/4	70,895	3/4	85,948	3/4	101,000	3/4	116,050	3/4	131,095	3/4	146,140
9	11,606	9	26,658	9	41,527	9	56,156	9	71,208	9	86,261	9	101,314	9	116,363	9	131,408	9	146,453
1/4	11,919	1/4	26,971	1/4	41,829	1/4	56,469	1/4	71,522	1/4	86,575	1/4	101,627	1/4	116,677	1/4	131,722	1/4	146,767
1/2	12,233	1/2	27,285	1/2	42,132	1/2	56,783	1/2	71,836	1/2	86,888	1/2	101,941	1/2	116,990	1/2	132,035	1/2	147,080
3/4	12,547	3/4	27,598	3/4	42,434	3/4	57,097	3/4	72,149	3/4	87,202	3/4	102,255	3/4	117,303	3/4	132,348	3/4	147,394
10	12,860	10	27,912	10	42,737	10	57,410	10	72,463	10	87,516	10	102,568	10	117,617	10	132,662	10	147,707
1/4	13,174	1/4	28,225	1/4	43,039	1/4	57,724	1/4	72,776	1/4	87,829	1/4	102,882	1/4	117,930	1/4	132,975	1/4	148,020
1/2	13,487	1/2	28,538	1/2	43,342	1/2	58,037	1/2	73,090	1/2	88,143	1/2	103,195	1/2	118,244	1/2	133,289	1/2	148,334
3/4	13,801	3/4	28,852	3/4	43,644	3/4	58,351	3/4	73,404	3/4	88,456	3/4	103,509	3/4	118,557	3/4	133,602	3/4	148,647
11	14,115	11	29,165	11	43,947	11	58,665	11	73,717	11	88,770	11	103,823	11	118,871	11	133,916	11	148,961
1/4	14,428	1/4	29,478	1/4	44,249	1/4	58,978	1/4	74,031	1/4	89,083	1/4	104,136	1/4	119,184	1/4	134,229	1/4	149,274
1/2	14,742	1/2	29,792	1/2	44,552	1/2	59,292	1/2	74,344	1/2	89,397	1/2	104,450	1/2	119,497	1/2	134,543	1/2	149,588
3/4	15,055	3/4	30,105	3/4	44,854	3/4	59,605	3/4	74,658	3/4	89,711	3/4	104,763	3/4	119,811	3/4	134,856	3/4	149,901

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>



BARGE "HSM 4106"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/2"

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	150,215	0	165,260	0	180,295	0	195,289	0	210,205	0		0		0		0		0	
1/4	150,528	1/4	165,573	1/4	180,607	1/4	195,601	1/4	210,507	1/4		1/4		1/4		1/4		1/4	
1/2	150,841	1/2	165,886	1/2	180,920	1/2	195,914	1/2	210,808	1/2		1/2		1/2		1/2		1/2	
3/4	151,155	3/4	166,200	3/4	181,232	3/4	196,226	3/4	211,110	3/4		3/4		3/4		3/4		3/4	
1	151,468	1	166,513	1	181,545	1	196,539	1	211,412	1		1		1		1		1	
1/4	151,782	1/4	166,827	1/4	181,857	1/4	196,851	1/4	211,682	1/4		1/4		1/4		1/4		1/4	
1/2	152,095	1/2	167,140	1/2	182,169	1/2	197,163	1/2	211,952	1/2		1/2		1/2		1/2		1/2	
3/4	152,409	3/4	167,454	3/4	182,482	3/4	197,476	3/4	212,223	3/4		3/4		3/4		3/4		3/4	
2	152,722	2	167,767	2	182,794	2	197,788	2	212,493	2		2		2		2		2	
1/4	153,035	1/4	168,081	1/4	183,106	1/4	198,100	1/4	212,711	1/4		1/4		1/4		1/4		1/4	
1/2	153,349	1/2	168,394	1/2	183,419	1/2	198,413	1/2	212,929	1/2		1/2		1/2		1/2		1/2	
3/4	153,662	3/4	168,707	3/4	183,731	3/4	198,725	3/4	213,147	3/4		3/4		3/4		3/4		3/4	
3	153,976	3	169,021	3	184,044	3	199,038	3	213,365	3		3		3		3		3	
1/4	154,289	1/4	169,334	1/4	184,356	1/4	199,350	1/4	213,530	1/4		1/4		1/4		1/4		1/4	
1/2	154,603	1/2	169,648	1/2	184,668	1/2	199,662	1/2	213,696	1/2		1/2		1/2		1/2		1/2	
3/4	154,916	3/4	169,961	3/4	184,981	3/4	199,975	3/4	213,862	3/4		3/4		3/4		3/4		3/4	
4	155,230	4	170,275	4	185,293	4	200,287	4	214,027	4		4		4		4		4	
1/4	155,543	1/4	170,588	1/4	185,605	1/4	200,599	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,856	1/2	170,902	1/2	185,918	1/2	200,912	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,170	3/4	171,215	3/4	186,230	3/4	201,224	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,483	5	171,528	5	186,543	5	201,537	5		5		5		5		5		5	
1/4	156,797	1/4	171,842	1/4	186,855	1/4	201,848	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,110	1/2	172,155	1/2	187,167	1/2	202,160	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,424	3/4	172,469	3/4	187,480	3/4	202,471	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,737	6	172,782	6	187,792	6	202,783	6		6		6		6		6		6	
1/4	158,050	1/4	173,096	1/4	188,104	1/4	203,092	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,364	1/2	173,409	1/2	188,417	1/2	203,402	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,677	3/4	173,722	3/4	188,729	3/4	203,711	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,991	7	174,036	7	189,042	7	204,020	7		7		7		7		7		7	
1/4	159,304	1/4	174,349	1/4	189,354	1/4	204,329	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,618	1/2	174,663	1/2	189,666	1/2	204,639	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,931	3/4	174,976	3/4	189,979	3/4	204,948	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,245	8	175,290	8	190,291	8	205,257	8		8		8		8		8		8	
1/4	160,558	1/4	175,603	1/4	190,603	1/4	205,567	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,871	1/2	175,917	1/2	190,916	1/2	205,876	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,185	3/4	176,230	3/4	191,228	3/4	206,186	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,498	9	176,543	9	191,541	9	206,495	9		9		9		9		9		9	
1/4	161,812	1/4	176,857	1/4	191,853	1/4	206,805	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,125	1/2	177,170	1/2	192,165	1/2	207,114	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,439	3/4	177,483	3/4	192,478	3/4	207,423	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,752	10	177,796	10	192,790	10	207,733	10		10		10		10		10		10	
1/4	163,066	1/4	178,108	1/4	193,102	1/4	208,042	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,379	1/2	178,421	1/2	193,415	1/2	208,351	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,692	3/4	178,733	3/4	193,727	3/4	208,661	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,006	11	179,046	11	194,040	11	208,970	11		11		11		11		11		11	
1/4	164,319	1/4	179,358	1/4	194,352	1/4	209,279	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,633	1/2	179,670	1/2	194,664	1/2	209,587	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,946	3/4	179,983	3/4	194,977	3/4	209,896	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4106"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-00"

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	835	0	15,372	0	30,425	0	45,460	0	60,499	0	75,554	0	90,609	0	105,664	0	120,714	0	135,762
1/4	1,051	1/4	15,686	1/4	30,738	1/4	45,773	1/4	60,813	1/4	75,868	1/4	90,923	1/4	105,978	1/4	121,028	1/4	136,075
1/2	1,266	1/2	15,999	1/2	31,052	1/2	46,086	1/2	61,127	1/2	76,182	1/2	91,237	1/2	106,292	1/2	121,341	1/2	136,389
3/4	1,482	3/4	16,313	3/4	31,366	3/4	46,398	3/4	61,440	3/4	76,495	3/4	91,550	3/4	106,605	3/4	121,655	3/4	136,702
1	1,697	1	16,627	1	31,679	1	46,711	1	61,754	1	76,809	1	91,864	1	106,919	1	121,968	1	137,016
1/4	1,981	1/4	16,940	1/4	31,993	1/4	47,024	1/4	62,068	1/4	77,123	1/4	92,178	1/4	107,233	1/4	122,282	1/4	137,329
1/2	2,265	1/2	17,254	1/2	32,307	1/2	47,336	1/2	62,381	1/2	77,436	1/2	92,491	1/2	107,546	1/2	122,595	1/2	137,643
3/4	2,549	3/4	17,568	3/4	32,620	3/4	47,649	3/4	62,695	3/4	77,750	3/4	92,805	3/4	107,860	3/4	122,909	3/4	137,956
2	2,833	2	17,881	2	32,934	2	47,962	2	63,009	2	78,064	2	93,119	2	108,174	2	123,222	2	138,270
1/4	3,145	1/4	18,195	1/4	33,248	1/4	48,275	1/4	63,322	1/4	78,377	1/4	93,432	1/4	108,487	1/4	123,536	1/4	138,583
1/2	3,458	1/2	18,508	1/2	33,561	1/2	48,587	1/2	63,636	1/2	78,691	1/2	93,746	1/2	108,801	1/2	123,849	1/2	138,897
3/4	3,770	3/4	18,822	3/4	33,875	3/4	48,900	3/4	63,949	3/4	79,005	3/4	94,060	3/4	109,115	3/4	124,163	3/4	139,210
3	4,082	3	19,136	3	34,188	3	49,213	3	64,263	3	79,318	3	94,373	3	109,428	3	124,476	3	139,524
1/4	4,396	1/4	19,449	1/4	34,502	1/4	49,526	1/4	64,577	1/4	79,632	1/4	94,687	1/4	109,742	1/4	124,790	1/4	139,837
1/2	4,709	1/2	19,763	1/2	34,816	1/2	49,839	1/2	64,890	1/2	79,945	1/2	95,000	1/2	110,055	1/2	125,103	1/2	140,151
3/4	5,022	3/4	20,077	3/4	35,129	3/4	50,152	3/4	65,204	3/4	80,259	3/4	95,314	3/4	110,369	3/4	125,417	3/4	140,464
4	5,335	4	20,390	4	35,443	4	50,465	4	65,518	4	80,573	4	95,628	4	110,683	4	125,730	4	140,778
1/4	5,649	1/4	20,704	1/4	35,757	1/4	50,778	1/4	65,831	1/4	80,886	1/4	95,941	1/4	110,996	1/4	126,044	1/4	141,091
1/2	5,963	1/2	21,018	1/2	36,070	1/2	51,091	1/2	66,145	1/2	81,200	1/2	96,255	1/2	111,310	1/2	126,357	1/2	141,405
3/4	6,276	3/4	21,331	3/4	36,384	3/4	51,404	3/4	66,459	3/4	81,514	3/4	96,569	3/4	111,623	3/4	126,671	3/4	141,718
5	6,590	5	21,645	5	36,698	5	51,717	5	66,772	5	81,827	5	96,882	5	111,937	5	126,984	5	142,032
1/4	6,904	1/4	21,959	1/4	37,011	1/4	52,031	1/4	67,086	1/4	82,141	1/4	97,196	1/4	112,250	1/4	127,298	1/4	142,345
1/2	7,217	1/2	22,272	1/2	37,325	1/2	52,345	1/2	67,400	1/2	82,455	1/2	97,510	1/2	112,564	1/2	127,611	1/2	142,659
3/4	7,531	3/4	22,586	3/4	37,639	3/4	52,658	3/4	67,713	3/4	82,768	3/4	97,823	3/4	112,877	3/4	127,925	3/4	142,972
6	7,844	6	22,899	6	37,952	6	52,972	6	68,027	6	83,082	6	98,137	6	113,191	6	128,238	6	143,286
1/4	8,158	1/4	23,213	1/4	38,266	1/4	53,285	1/4	68,341	1/4	83,396	1/4	98,451	1/4	113,504	1/4	128,552	1/4	143,599
1/2	8,472	1/2	23,527	1/2	38,579	1/2	53,599	1/2	68,654	1/2	83,709	1/2	98,764	1/2	113,818	1/2	128,865	1/2	143,913
3/4	8,785	3/4	23,840	3/4	38,892	3/4	53,913	3/4	68,968	3/4	84,023	3/4	99,078	3/4	114,131	3/4	129,179	3/4	144,226
7	9,099	7	24,154	7	39,206	7	54,226	7	69,281	7	84,337	7	99,392	7	114,445	7	129,492	7	144,540
1/4	9,413	1/4	24,468	1/4	39,519	1/4	54,540	1/4	69,595	1/4	84,650	1/4	99,705	1/4	114,758	1/4	129,806	1/4	144,853
1/2	9,726	1/2	24,781	1/2	39,831	1/2	54,854	1/2	69,909	1/2	84,964	1/2	100,019	1/2	115,072	1/2	130,119	1/2	145,166
3/4	10,040	3/4	25,095	3/4	40,144	3/4	55,167	3/4	70,222	3/4	85,277	3/4	100,332	3/4	115,385	3/4	130,432	3/4	145,480
8	10,354	8	25,409	8	40,457	8	55,481	8	70,536	8	85,591	8	100,646	8	115,699	8	130,746	8	145,793
1/4	10,667	1/4	25,722	1/4	40,769	1/4	55,795	1/4	70,850	1/4	85,905	1/4	100,960	1/4	116,012	1/4	131,059	1/4	146,107
1/2	10,981	1/2	26,036	1/2	41,082	1/2	56,108	1/2	71,163	1/2	86,218	1/2	101,273	1/2	116,325	1/2	131,373	1/2	146,420
3/4	11,295	3/4	26,349	3/4	41,395	3/4	56,422	3/4	71,477	3/4	86,532	3/4	101,587	3/4	116,639	3/4	131,686	3/4	146,734
9	11,608	9	26,663	9	41,708	9	56,736	9	71,791	9	86,846	9	101,901	9	116,952	9	132,000	9	147,047
1/4	11,922	1/4	26,977	1/4	42,020	1/4	57,049	1/4	72,104	1/4	87,159	1/4	102,214	1/4	117,266	1/4	132,313	1/4	147,361
1/2	12,236	1/2	27,290	1/2	42,333	1/2	57,363	1/2	72,418	1/2	87,473	1/2	102,528	1/2	117,579	1/2	132,627	1/2	147,674
3/4	12,549	3/4	27,603	3/4	42,646	3/4	57,677	3/4	72,732	3/4	87,787	3/4	102,842	3/4	117,893	3/4	132,940	3/4	147,988
10	12,863	10	27,917	10	42,958	10	57,990	10	73,045	10	88,100	10	103,155	10	118,206	10	133,254	10	148,301
1/4	13,176	1/4	28,230	1/4	43,271	1/4	58,304	1/4	73,359	1/4	88,414	1/4	103,469	1/4	118,520	1/4	133,567	1/4	148,615
1/2	13,490	1/2	28,544	1/2	43,584	1/2	58,617	1/2	73,673	1/2	88,728	1/2	103,783	1/2	118,833	1/2	133,881	1/2	148,928
3/4	13,804	3/4	28,857	3/4	43,897	3/4	58,931	3/4	73,986	3/4	89,041	3/4	104,096	3/4	119,147	3/4	134,194	3/4	149,242
11	14,117	11	29,171	11	44,209	11	59,245	11	74,300	11	89,355	11	104,410	11	119,460	11	134,508	11	149,555
1/4	14,431	1/4	29,484	1/4	44,522	1/4	59,558	1/4	74,613	1/4	89,668	1/4	104,724	1/4	119,774	1/4	134,821	1/4	149,869
1/2	14,745	1/2	29,798	1/2	44,835	1/2	59,872	1/2	74,927	1/2	89,982	1/2	105,037	1/2	120,087	1/2	135,135	1/2	150,182
3/4	15,058	3/4	30,111	3/4	45,147	3/4	60,186	3/4	75,241	3/4	90,296	3/4	105,351	3/4	120,401	3/4	135,448	3/4	150,496

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>



BARGE "HSM 4106"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-00"

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	150,809	0	165,857	0	180,895	0	195,891	0	210,809	0		0		0		0		0	
1/4	151,123	1/4	166,170	1/4	181,207	1/4	196,203	1/4	211,111	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,436	1/2	166,484	1/2	181,520	1/2	196,516	1/2	211,413	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,750	3/4	166,797	3/4	181,832	3/4	196,828	3/4	211,715	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,063	1	167,111	1	182,144	1	197,141	1	212,016	1		1	1	1	1	1	1	1	1
1/4	152,377	1/4	167,424	1/4	182,457	1/4	197,453	1/4	212,287	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,690	1/2	167,738	1/2	182,769	1/2	197,766	1/2	212,557	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,004	3/4	168,051	3/4	183,082	3/4	198,078	3/4	212,827	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	153,317	2	168,365	2	183,394	2	198,390	2	213,097	2		2	2	2	2	2	2	2	2
1/4	153,631	1/4	168,678	1/4	183,706	1/4	198,703	1/4	213,315	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,944	1/2	168,992	1/2	184,019	1/2	199,015	1/2	213,533	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,258	3/4	169,305	3/4	184,331	3/4	199,328	3/4	213,751	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	154,571	3	169,619	3	184,644	3	199,640	3	213,969	3		3	3	3	3	3	3	3	3
1/4	154,885	1/4	169,932	1/4	184,956	1/4	199,953	1/4	214,135	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,198	1/2	170,246	1/2	185,269	1/2	200,265	1/2	214,301	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,512	3/4	170,559	3/4	185,581	3/4	200,577	3/4	214,467	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	155,825	4	170,873	4	185,893	4	200,890	4	214,632	4		4	4	4	4	4	4	4	4
1/4	156,139	1/4	171,186	1/4	186,206	1/4	201,202	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,452	1/2	171,500	1/2	186,518	1/2	201,515	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,766	3/4	171,813	3/4	186,831	3/4	201,827	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,079	5	172,127	5	187,143	5	202,140	5		5		5	5	5	5	5	5	5	5
1/4	157,393	1/4	172,440	1/4	187,456	1/4	202,451	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,706	1/2	172,754	1/2	187,768	1/2	202,763	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,020	3/4	173,067	3/4	188,080	3/4	203,074	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	158,333	6	173,381	6	188,393	6	203,386	6		6		6	6	6	6	6	6	6	6
1/4	158,647	1/4	173,694	1/4	188,705	1/4	203,695	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,960	1/2	174,007	1/2	189,018	1/2	204,005	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,273	3/4	174,321	3/4	189,330	3/4	204,314	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	159,587	7	174,634	7	189,643	7	204,623	7		7		7	7	7	7	7	7	7	7
1/4	159,900	1/4	174,948	1/4	189,955	1/4	204,933	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,214	1/2	175,261	1/2	190,267	1/2	205,242	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,527	3/4	175,575	3/4	190,580	3/4	205,551	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	160,841	8	175,888	8	190,892	8	205,861	8		8		8	8	8	8	8	8	8	8
1/4	161,154	1/4	176,202	1/4	191,205	1/4	206,170	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,468	1/2	176,515	1/2	191,517	1/2	206,480	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,781	3/4	176,829	3/4	191,830	3/4	206,789	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,095	9	177,142	9	192,142	9	207,099	9		9		9	9	9	9	9	9	9	9
1/4	162,408	1/4	177,456	1/4	192,454	1/4	207,408	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,722	1/2	177,769	1/2	192,767	1/2	207,718	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,035	3/4	178,082	3/4	193,079	3/4	208,027	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	163,349	10	178,395	10	193,392	10	208,337	10		10		10	10	10	10	10	10	10	10
1/4	163,662	1/4	178,708	1/4	193,704	1/4	208,646	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,976	1/2	179,020	1/2	194,016	1/2	208,955	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,289	3/4	179,333	3/4	194,329	3/4	209,265	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	164,603	11	179,645	11	194,641	11	209,574	11		11		11	11	11	11	11	11	11	11
1/4	164,916	1/4	179,957	1/4	194,954	1/4	209,883	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,230	1/2	180,270	1/2	195,266	1/2	210,192	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,543	3/4	180,582	3/4	195,579	3/4	210,500	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: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.dmacorp.net>





BARGE "HSM 4106"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	832	0	15,306	0	30,280	0	45,036	0	59,568	0	74,465	0	89,414	0	104,377	0	119,331	0	134,281
1/4	1,047	1/4	15,618	1/4	30,592	1/4	45,337	1/4	59,879	1/4	74,775	1/4	89,726	1/4	104,689	1/4	119,643	1/4	134,592
1/2	1,261	1/2	15,930	1/2	30,904	1/2	45,638	1/2	60,191	1/2	75,085	1/2	90,038	1/2	105,001	1/2	119,954	1/2	134,904
3/4	1,476	3/4	16,242	3/4	31,216	3/4	45,940	3/4	60,503	3/4	75,395	3/4	90,349	3/4	105,313	3/4	120,265	3/4	135,215
1	1,691	1	16,554	1	31,528	1	46,241	1	60,814	1	75,705	1	90,661	1	105,625	1	120,577	1	135,527
1/4	1,974	1/4	16,866	1/4	31,840	1/4	46,543	1/4	61,126	1/4	76,014	1/4	90,972	1/4	105,937	1/4	120,888	1/4	135,837
1/2	2,257	1/2	17,178	1/2	32,152	1/2	46,844	1/2	61,438	1/2	76,324	1/2	91,284	1/2	106,248	1/2	121,200	1/2	136,147
3/4	2,539	3/4	17,490	3/4	32,464	3/4	47,146	3/4	61,749	3/4	76,634	3/4	91,596	3/4	106,560	3/4	121,511	3/4	136,457
2	2,822	2	17,802	2	32,776	2	47,447	2	62,061	2	76,944	2	91,907	2	106,872	2	121,823	2	136,767
1/4	3,133	1/4	18,114	1/4	33,088	1/4	47,749	1/4	62,372	1/4	77,255	1/4	92,219	1/4	107,184	1/4	122,134	1/4	137,072
1/2	3,445	1/2	18,426	1/2	33,400	1/2	48,052	1/2	62,683	1/2	77,565	1/2	92,531	1/2	107,495	1/2	122,446	1/2	137,378
3/4	3,756	3/4	18,738	3/4	33,712	3/4	48,354	3/4	62,994	3/4	77,876	3/4	92,842	3/4	107,807	3/4	122,757	3/4	137,683
3	4,067	3	19,050	3	34,024	3	48,656	3	63,306	3	78,186	3	93,154	3	108,118	3	123,069	3	137,989
1/4	4,379	1/4	19,362	1/4	34,335	1/4	48,958	1/4	63,616	1/4	78,498	1/4	93,465	1/4	108,430	1/4	123,380	1/4	138,294
1/2	4,691	1/2	19,674	1/2	34,647	1/2	49,260	1/2	63,926	1/2	78,810	1/2	93,777	1/2	108,741	1/2	123,691	1/2	138,599
3/4	5,003	3/4	19,986	3/4	34,959	3/4	49,562	3/4	64,236	3/4	79,122	3/4	94,089	3/4	109,053	3/4	124,003	3/4	138,905
4	5,316	4	20,298	4	35,271	4	49,864	4	64,546	4	79,434	4	94,400	4	109,364	4	124,314	4	139,210
1/4	5,628	1/4	20,610	1/4	35,580	1/4	50,167	1/4	64,856	1/4	79,746	1/4	94,712	1/4	109,676	1/4	124,626	1/4	139,516
1/2	5,940	1/2	20,922	1/2	35,889	1/2	50,469	1/2	65,165	1/2	80,058	1/2	95,023	1/2	109,987	1/2	124,937	1/2	139,821
3/4	6,252	3/4	21,234	3/4	36,199	3/4	50,771	3/4	65,475	3/4	80,370	3/4	95,335	3/4	110,299	3/4	125,249	3/4	140,127
5	6,564	5	21,546	5	36,508	5	51,073	5	65,785	5	80,682	5	95,647	5	110,610	5	125,560	5	140,432
1/4	6,877	1/4	21,858	1/4	36,813	1/4	51,375	1/4	66,095	1/4	80,994	1/4	95,958	1/4	110,922	1/4	125,872	1/4	140,738
1/2	7,189	1/2	22,170	1/2	37,118	1/2	51,677	1/2	66,405	1/2	81,306	1/2	96,270	1/2	111,233	1/2	126,183	1/2	141,043
3/4	7,501	3/4	22,482	3/4	37,422	3/4	51,979	3/4	66,715	3/4	81,618	3/4	96,582	3/4	111,545	3/4	126,495	3/4	141,349
6	7,813	6	22,794	6	37,727	6	52,282	6	67,025	6	81,929	6	96,893	6	111,856	6	126,806	6	141,654
1/4	8,125	1/4	23,106	1/4	38,032	1/4	52,584	1/4	67,335	1/4	82,241	1/4	97,205	1/4	112,168	1/4	127,117	1/4	141,960
1/2	8,438	1/2	23,418	1/2	38,336	1/2	52,886	1/2	67,645	1/2	82,553	1/2	97,517	1/2	112,479	1/2	127,429	1/2	142,265
3/4	8,750	3/4	23,730	3/4	38,641	3/4	53,188	3/4	67,955	3/4	82,865	3/4	97,828	3/4	112,791	3/4	127,740	3/4	142,570
7	9,062	7	24,042	7	38,946	7	53,490	7	68,265	7	83,177	7	98,140	7	113,102	7	128,052	7	142,875
1/4	9,375	1/4	24,354	1/4	39,250	1/4	53,792	1/4	68,575	1/4	83,489	1/4	98,452	1/4	113,413	1/4	128,363	1/4	143,180
1/2	9,687	1/2	24,666	1/2	39,555	1/2	54,094	1/2	68,885	1/2	83,801	1/2	98,764	1/2	113,725	1/2	128,675	1/2	143,484
3/4	10,000	3/4	24,978	3/4	39,860	3/4	54,396	3/4	69,195	3/4	84,113	3/4	99,076	3/4	114,036	3/4	128,986	3/4	143,789
8	10,312	8	25,290	8	40,164	8	54,699	8	69,505	8	84,425	8	99,387	8	114,348	8	129,298	8	144,093
1/4	10,625	1/4	25,602	1/4	40,469	1/4	55,001	1/4	69,815	1/4	84,737	1/4	99,699	1/4	114,659	1/4	129,609	1/4	144,398
1/2	10,937	1/2	25,914	1/2	40,774	1/2	55,303	1/2	70,125	1/2	85,049	1/2	100,011	1/2	114,971	1/2	129,921	1/2	144,702
3/4	11,249	3/4	26,226	3/4	41,078	3/4	55,605	3/4	70,435	3/4	85,361	3/4	100,323	3/4	115,282	3/4	130,232	3/4	145,007
9	11,562	9	26,538	9	41,383	9	55,907	9	70,745	9	85,673	9	100,635	9	115,594	9	130,543	9	145,311
1/4	11,874	1/4	26,849	1/4	41,688	1/4	56,210	1/4	71,055	1/4	85,985	1/4	100,947	1/4	115,905	1/4	130,855	1/4	145,598
1/2	12,186	1/2	27,161	1/2	41,992	1/2	56,513	1/2	71,365	1/2	86,297	1/2	101,259	1/2	116,217	1/2	131,166	1/2	145,885
3/4	12,498	3/4	27,473	3/4	42,297	3/4	56,816	3/4	71,675	3/4	86,609	3/4	101,571	3/4	116,528	3/4	131,478	3/4	146,171
10	12,810	10	27,785	10	42,602	10	57,119	10	71,985	10	86,920	10	101,882	10	116,839	10	131,789	10	146,458
1/4	13,122	1/4	28,097	1/4	42,906	1/4	57,424	1/4	72,295	1/4	87,232	1/4	102,194	1/4	117,151	1/4	132,101	1/4	146,690
1/2	13,434	1/2	28,409	1/2	43,211	1/2	57,730	1/2	72,605	1/2	87,544	1/2	102,506	1/2	117,462	1/2	132,412	1/2	146,923
3/4	13,746	3/4	28,720	3/4	43,516	3/4	58,035	3/4	72,915	3/4	87,856	3/4	102,818	3/4	117,774	3/4	132,724	3/4	147,156
11	14,058	11	29,032	11	43,820	11	58,340	11	73,225	11	88,168	11	103,130	11	118,085	11	133,035	11	147,389
1/4	14,370	1/4	29,344	1/4	44,124	1/4	58,647	1/4	73,535	1/4	88,479	1/4	103,442	1/4	118,397	1/4	133,347	1/4	147,621
1/2	14,682	1/2	29,656	1/2	44,428	1/2	58,954	1/2	73,845	1/2	88,791	1/2	103,754	1/2	118,708	1/2	133,658	1/2	147,854
3/4	14,994	3/4	29,968	3/4	44,732	3/4	59,261	3/4	74,155	3/4	89,103	3/4	104,066	3/4	119,020	3/4	133,969	3/4	148,087

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 4106"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	148,320	0	159,536	0	170,750	0	181,933	0	193,215	0		0		0		0		0	
1/4	148,553	1/4	159,770	1/4	170,983	1/4	182,166	1/4	193,445	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	148,786	1/2	160,004	1/2	171,216	1/2	182,399	1/2	193,675	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,019	3/4	160,238	3/4	171,449	3/4	182,632	3/4	193,904	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	149,251	1	160,471	1	171,682	1	182,865	1	194,134	1		1		1		1		1	
1/4	149,485	1/4	160,705	1/4	171,915	1/4	183,098	1/4	194,332	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	149,719	1/2	160,939	1/2	172,148	1/2	183,331	1/2	194,531	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	149,953	3/4	161,173	3/4	172,380	3/4	183,564	3/4	194,729	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	150,186	2	161,406	2	172,613	2	183,797	2	194,927	2		2		2		2		2	
1/4	150,420	1/4	161,640	1/4	172,846	1/4	184,030	1/4	195,074	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	150,654	1/2	161,874	1/2	173,079	1/2	184,263	1/2	195,220	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	150,888	3/4	162,108	3/4	173,312	3/4	184,496	3/4	195,366	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	151,121	3	162,341	3	173,545	3	184,729	3	195,512	3		3		3		3		3	
1/4	151,355	1/4	162,575	1/4	173,778	1/4	184,962	1/4	195,607	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	151,589	1/2	162,809	1/2	174,011	1/2	185,195	1/2	195,701	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	151,823	3/4	163,043	3/4	174,244	3/4	185,428	3/4	195,795	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	152,056	4	163,276	4	174,477	4	185,661	4	195,889	4		4		4		4		4	
1/4	152,290	1/4	163,510	1/4	174,710	1/4	185,894	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,524	1/2	163,744	1/2	174,943	1/2	186,127	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,758	3/4	163,978	3/4	175,176	3/4	186,360	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	152,991	5	164,211	5	175,409	5	186,593	5		5		5		5		5		5	
1/4	153,225	1/4	164,445	1/4	175,642	1/4	186,826	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,459	1/2	164,679	1/2	175,875	1/2	187,059	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,693	3/4	164,913	3/4	176,108	3/4	187,292	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	153,926	6	165,146	6	176,341	6	187,525	6		6		6		6		6		6	
1/4	154,160	1/4	165,380	1/4	176,574	1/4	187,758	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,394	1/2	165,614	1/2	176,807	1/2	187,991	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,628	3/4	165,848	3/4	177,040	3/4	188,224	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	154,861	7	166,081	7	177,273	7	188,457	7		7		7		7		7		7	
1/4	155,095	1/4	166,315	1/4	177,506	1/4	188,691	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,329	1/2	166,549	1/2	177,739	1/2	188,926	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,563	3/4	166,783	3/4	177,972	3/4	189,160	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	155,796	8	167,016	8	178,205	8	189,395	8		8		8		8		8		8	
1/4	156,030	1/4	167,250	1/4	178,438	1/4	189,634	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,264	1/2	167,484	1/2	178,671	1/2	189,873	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,498	3/4	167,718	3/4	178,904	3/4	190,112	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	156,731	9	167,951	9	179,137	9	190,351	9		9		9		9		9		9	
1/4	156,965	1/4	168,185	1/4	179,370	1/4	190,590	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,199	1/2	168,419	1/2	179,603	1/2	190,829	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,433	3/4	168,652	3/4	179,836	3/4	191,068	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	157,666	10	168,886	10	180,069	10	191,307	10		10		10		10		10		10	
1/4	157,900	1/4	169,119	1/4	180,302	1/4	191,546	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,134	1/2	169,352	1/2	180,535	1/2	191,785	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,368	3/4	169,585	3/4	180,768	3/4	192,024	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	158,601	11	169,818	11	181,001	11	192,263	11		11		11		11		11		11	
1/4	158,835	1/4	170,051	1/4	181,234	1/4	192,501	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,069	1/2	170,284	1/2	181,467	1/2	192,739	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,303	3/4	170,517	3/4	181,700	3/4	192,977	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: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 4106"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	832	0	15,321	0	30,326	0	45,315	0	60,319	0	75,325	0	90,330	0	105,336	0	120,325	0	135,311
1/4	1,047	1/4	15,634	1/4	30,639	1/4	45,628	1/4	60,632	1/4	75,637	1/4	90,643	1/4	105,649	1/4	120,637	1/4	135,623
1/2	1,262	1/2	15,946	1/2	30,951	1/2	45,940	1/2	60,944	1/2	75,950	1/2	90,956	1/2	105,961	1/2	120,950	1/2	135,935
3/4	1,477	3/4	16,259	3/4	31,264	3/4	46,253	3/4	61,257	3/4	76,263	3/4	91,268	3/4	106,274	3/4	121,262	3/4	136,247
1	1,692	1	16,571	1	31,577	1	46,565	1	61,570	1	76,575	1	91,581	1	106,586	1	121,574	1	136,560
1/4	1,975	1/4	16,884	1/4	31,889	1/4	46,877	1/4	61,882	1/4	76,888	1/4	91,893	1/4	106,899	1/4	121,886	1/4	136,870
1/2	2,258	1/2	17,197	1/2	32,202	1/2	47,190	1/2	62,195	1/2	77,200	1/2	92,206	1/2	107,211	1/2	122,198	1/2	137,181
3/4	2,540	3/4	17,509	3/4	32,514	3/4	47,502	3/4	62,507	3/4	77,513	3/4	92,519	3/4	107,524	3/4	122,511	3/4	137,492
2	2,823	2	17,822	2	32,827	2	47,815	2	62,820	2	77,826	2	92,831	2	107,837	2	122,823	2	137,802
1/4	3,135	1/4	18,134	1/4	33,140	1/4	48,127	1/4	63,133	1/4	78,138	1/4	93,144	1/4	108,149	1/4	123,135	1/4	138,109
1/2	3,446	1/2	18,447	1/2	33,452	1/2	48,440	1/2	63,445	1/2	78,451	1/2	93,456	1/2	108,461	1/2	123,447	1/2	138,415
3/4	3,757	3/4	18,760	3/4	33,765	3/4	48,752	3/4	63,758	3/4	78,764	3/4	93,769	3/4	108,773	3/4	123,759	3/4	138,721
3	4,069	3	19,072	3	34,077	3	49,065	3	64,071	3	79,076	3	94,082	3	109,086	3	124,072	3	139,027
1/4	4,381	1/4	19,385	1/4	34,390	1/4	49,378	1/4	64,383	1/4	79,389	1/4	94,394	1/4	109,398	1/4	124,384	1/4	139,334
1/2	4,693	1/2	19,698	1/2	34,702	1/2	49,690	1/2	64,696	1/2	79,701	1/2	94,707	1/2	109,710	1/2	124,696	1/2	139,640
3/4	5,006	3/4	20,010	3/4	35,015	3/4	50,003	3/4	65,008	3/4	80,014	3/4	95,020	3/4	110,023	3/4	125,008	3/4	139,946
4	5,318	4	20,323	4	35,327	4	50,315	4	65,321	4	80,327	4	95,332	4	110,335	4	125,320	4	140,252
1/4	5,630	1/4	20,635	1/4	35,639	1/4	50,628	1/4	65,634	1/4	80,639	1/4	95,645	1/4	110,647	1/4	125,633	1/4	140,558
1/2	5,943	1/2	20,948	1/2	35,952	1/2	50,941	1/2	65,946	1/2	80,952	1/2	95,957	1/2	110,959	1/2	125,945	1/2	140,865
3/4	6,255	3/4	21,261	3/4	36,264	3/4	51,253	3/4	66,259	3/4	81,264	3/4	96,270	3/4	111,272	3/4	126,257	3/4	141,171
5	6,568	5	21,573	5	36,576	5	51,566	5	66,571	5	81,577	5	96,583	5	111,584	5	126,569	5	141,477
1/4	6,881	1/4	21,886	1/4	36,888	1/4	51,879	1/4	66,884	1/4	81,890	1/4	96,895	1/4	111,896	1/4	126,881	1/4	141,783
1/2	7,193	1/2	22,198	1/2	37,200	1/2	52,191	1/2	67,197	1/2	82,202	1/2	97,208	1/2	112,208	1/2	127,194	1/2	142,090
3/4	7,506	3/4	22,511	3/4	37,512	3/4	52,504	3/4	67,509	3/4	82,515	3/4	97,520	3/4	112,520	3/4	127,506	3/4	142,396
6	7,818	6	22,824	6	37,824	6	52,816	6	67,822	6	82,828	6	97,833	6	112,832	6	127,818	6	142,702
1/4	8,131	1/4	23,136	1/4	38,136	1/4	53,129	1/4	68,135	1/4	83,140	1/4	98,146	1/4	113,145	1/4	128,130	1/4	143,008
1/2	8,444	1/2	23,449	1/2	38,449	1/2	53,442	1/2	68,447	1/2	83,453	1/2	98,458	1/2	113,457	1/2	128,442	1/2	143,314
3/4	8,756	3/4	23,761	3/4	38,761	3/4	53,754	3/4	68,760	3/4	83,765	3/4	98,771	3/4	113,769	3/4	128,755	3/4	143,620
7	9,069	7	24,074	7	39,073	7	54,067	7	69,072	7	84,078	7	99,084	7	114,081	7	129,067	7	143,926
1/4	9,382	1/4	24,387	1/4	39,385	1/4	54,379	1/4	69,385	1/4	84,391	1/4	99,396	1/4	114,393	1/4	129,379	1/4	144,231
1/2	9,694	1/2	24,699	1/2	39,697	1/2	54,692	1/2	69,698	1/2	84,703	1/2	99,709	1/2	114,706	1/2	129,691	1/2	144,536
3/4	10,007	3/4	25,012	3/4	40,009	3/4	55,005	3/4	70,010	3/4	85,016	3/4	100,021	3/4	115,018	3/4	130,003	3/4	144,842
8	10,319	8	25,324	8	40,321	8	55,317	8	70,323	8	85,328	8	100,334	8	115,330	8	130,316	8	145,147
1/4	10,632	1/4	25,637	1/4	40,633	1/4	55,630	1/4	70,636	1/4	85,641	1/4	100,647	1/4	115,642	1/4	130,628	1/4	145,452
1/2	10,945	1/2	25,950	1/2	40,946	1/2	55,943	1/2	70,948	1/2	85,954	1/2	100,959	1/2	115,954	1/2	130,940	1/2	145,757
3/4	11,257	3/4	26,262	3/4	41,258	3/4	56,255	3/4	71,261	3/4	86,266	3/4	101,272	3/4	116,267	3/4	131,252	3/4	146,063
9	11,570	9	26,575	9	41,570	9	56,568	9	71,573	9	86,579	9	101,584	9	116,579	9	131,564	9	146,368
1/4	11,882	1/4	26,887	1/4	41,882	1/4	56,880	1/4	71,886	1/4	86,892	1/4	101,897	1/4	116,891	1/4	131,877	1/4	146,655
1/2	12,195	1/2	27,200	1/2	42,194	1/2	57,193	1/2	72,199	1/2	87,204	1/2	102,210	1/2	117,203	1/2	132,189	1/2	146,942
3/4	12,508	3/4	27,513	3/4	42,506	3/4	57,506	3/4	72,511	3/4	87,517	3/4	102,522	3/4	117,515	3/4	132,501	3/4	147,230
10	12,820	10	27,825	10	42,818	10	57,818	10	72,824	10	87,829	10	102,835	10	117,828	10	132,813	10	147,517
1/4	13,133	1/4	28,138	1/4	43,130	1/4	58,131	1/4	73,136	1/4	88,142	1/4	103,148	1/4	118,140	1/4	133,125	1/4	147,750
1/2	13,445	1/2	28,451	1/2	43,443	1/2	58,443	1/2	73,449	1/2	88,455	1/2	103,460	1/2	118,452	1/2	133,438	1/2	147,982
3/4	13,758	3/4	28,763	3/4	43,755	3/4	58,756	3/4	73,762	3/4	88,767	3/4	103,773	3/4	118,764	3/4	133,750	3/4	148,215
11	14,071	11	29,076	11	44,067	11	59,069	11	74,074	11	89,080	11	104,085	11	119,076	11	134,062	11	148,448
1/4	14,383	1/4	29,388	1/4	44,379	1/4	59,381	1/4	74,387	1/4	89,392	1/4	104,398	1/4	119,389	1/4	134,374	1/4	148,681
1/2	14,696	1/2	29,701	1/2	44,691	1/2	59,694	1/2	74,700	1/2	89,705	1/2	104,711	1/2	119,701	1/2	134,686	1/2	148,914
3/4	15,008	3/4	30,014	3/4	45,003	3/4	60,007	3/4	75,012	3/4	90,018	3/4	105,023	3/4	120,013	3/4	134,999	3/4	149,147

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
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BARGE "HSM 4106"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,380	0	160,600	0	171,817	0	183,004	0	194,290	0		0		0		0		0	
1/4	149,613	1/4	160,834	1/4	172,050	1/4	183,237	1/4	194,520	1/4		1/4		1/4		1/4		1/4	
1/2	149,846	1/2	161,068	1/2	172,283	1/2	183,470	1/2	194,750	1/2		1/2		1/2		1/2		1/2	
3/4	150,079	3/4	161,302	3/4	172,516	3/4	183,703	3/4	194,979	3/4		3/4		3/4		3/4		3/4	
1	150,312	1	161,536	1	172,749	1	183,936	1	195,209	1		1		1		1		1	
1/4	150,546	1/4	161,769	1/4	172,982	1/4	184,169	1/4	195,408	1/4		1/4		1/4		1/4		1/4	
1/2	150,780	1/2	162,003	1/2	173,215	1/2	184,403	1/2	195,606	1/2		1/2		1/2		1/2		1/2	
3/4	151,014	3/4	162,237	3/4	173,449	3/4	184,636	3/4	195,804	3/4		3/4		3/4		3/4		3/4	
2	151,247	2	162,471	2	173,682	2	184,869	2	196,003	2		2		2		2		2	
1/4	151,481	1/4	162,705	1/4	173,915	1/4	185,102	1/4	196,149	1/4		1/4		1/4		1/4		1/4	
1/2	151,715	1/2	162,939	1/2	174,148	1/2	185,335	1/2	196,295	1/2		1/2		1/2		1/2		1/2	
3/4	151,949	3/4	163,172	3/4	174,381	3/4	185,568	3/4	196,442	3/4		3/4		3/4		3/4		3/4	
3	152,183	3	163,406	3	174,614	3	185,801	3	196,588	3		3		3		3		3	
1/4	152,416	1/4	163,640	1/4	174,847	1/4	186,034	1/4	196,682	1/4		1/4		1/4		1/4		1/4	
1/2	152,650	1/2	163,874	1/2	175,080	1/2	186,267	1/2	196,776	1/2		1/2		1/2		1/2		1/2	
3/4	152,884	3/4	164,108	3/4	175,313	3/4	186,500	3/4	196,871	3/4		3/4		3/4		3/4		3/4	
4	153,118	4	164,342	4	175,546	4	186,733	4	196,965	4		4		4		4		4	
1/4	153,352	1/4	164,575	1/4	175,779	1/4	186,966	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,586	1/2	164,809	1/2	176,012	1/2	187,199	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,819	3/4	165,043	3/4	176,245	3/4	187,432	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,053	5	165,277	5	176,478	5	187,665	5		5		5		5		5		5	
1/4	154,287	1/4	165,511	1/4	176,711	1/4	187,899	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,521	1/2	165,744	1/2	176,944	1/2	188,132	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,755	3/4	165,978	3/4	177,178	3/4	188,365	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,989	6	166,212	6	177,411	6	188,598	6		6		6		6		6		6	
1/4	155,222	1/4	166,446	1/4	177,644	1/4	188,831	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,456	1/2	166,680	1/2	177,877	1/2	189,064	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,690	3/4	166,914	3/4	178,110	3/4	189,297	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,924	7	167,147	7	178,343	7	189,530	7		7		7		7		7		7	
1/4	156,158	1/4	167,381	1/4	178,576	1/4	189,765	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,391	1/2	167,615	1/2	178,809	1/2	189,999	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,625	3/4	167,849	3/4	179,042	3/4	190,234	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,859	8	168,083	8	179,275	8	190,468	8		8		8		8		8		8	
1/4	157,093	1/4	168,317	1/4	179,508	1/4	190,707	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,327	1/2	168,550	1/2	179,741	1/2	190,947	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,561	3/4	168,784	3/4	179,974	3/4	191,186	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,794	9	169,018	9	180,207	9	191,425	9		9		9		9		9		9	
1/4	158,028	1/4	169,252	1/4	180,440	1/4	191,664	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,262	1/2	169,485	1/2	180,674	1/2	191,903	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,496	3/4	169,719	3/4	180,907	3/4	192,142	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,730	10	169,953	10	181,140	10	192,382	10		10		10		10		10		10	
1/4	158,964	1/4	170,186	1/4	181,373	1/4	192,621	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,197	1/2	170,419	1/2	181,606	1/2	192,860	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,431	3/4	170,652	3/4	181,839	3/4	193,099	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,665	11	170,885	11	182,072	11	193,338	11		11		11		11		11		11	
1/4	159,899	1/4	171,118	1/4	182,305	1/4	193,576	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,133	1/2	171,351	1/2	182,538	1/2	193,814	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,367	3/4	171,584	3/4	182,771	3/4	194,052	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

PRECISION MEASUREMENT
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BARGE "HSM 4106"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	84	0	212	0	327	0		0		0		0		0		0	
1/4	1	1/4	87	1/4	214	1/4	329	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	89	1/2	217	1/2	331	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	92	3/4	220	3/4	332	3/4		3/4		3/4		3/4		3/4		3/4	
1	2	1	94	1	222	1	334	1		1		1		1		1		1	
1/4	3	1/4	97	1/4	225	1/4	336	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4	1/2	99	1/2	228	1/2	338	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5	3/4	102	3/4	230	3/4	339	3/4		3/4		3/4		3/4		3/4		3/4	
2	6	2	105	2	233	2	341	2		2		2		2		2		2	
1/4	8	1/4	107	1/4	236	1/4	342	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	9	1/2	110	1/2	238	1/2	344	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	10	3/4	112	3/4	241	3/4	345	3/4		3/4		3/4		3/4		3/4		3/4	
3	11	3	115	3	243	3	347	3		3		3		3		3		3	
1/4	13	1/4	118	1/4	246	1/4	348	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	14	1/2	120	1/2	249	1/2	350	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	123	3/4	251	3/4	351	3/4		3/4		3/4		3/4		3/4		3/4	
4	17	4	125	4	254	4	352	4		4		4		4		4		4	
1/4	19	1/4	128	1/4	256	1/4	353	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	131	1/2	259	1/2	354	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	22	3/4	133	3/4	261	3/4	355	3/4		3/4		3/4		3/4		3/4		3/4	
5	24	5	136	5	264	5	356	5		5		5		5		5		5	
1/4	26	1/4	139	1/4	266	1/4	357	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	28	1/2	141	1/2	269	1/2	357	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	30	3/4	144	3/4	271	3/4	358	3/4		3/4		3/4		3/4		3/4		3/4	
6	31	6	147	6	274	6	358	6		6		6		6		6		6	
1/4	33	1/4	149	1/4	276	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	152	1/2	279	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37	3/4	155	3/4	281	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	39	7	157	7	284	7		7		7		7		7		7		7	
1/4	41	1/4	160	1/4	286	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	43	1/2	163	1/2	288	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	45	3/4	166	3/4	291	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	48	8	168	8	293	8		8		8		8		8		8		8	
1/4	50	1/4	171	1/4	295	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	174	1/2	298	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	176	3/4	300	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	56	9	179	9	302	9		9		9		9		9		9		9	
1/4	59	1/4	182	1/4	304	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	185	1/2	306	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	187	3/4	309	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	65	10	190	10	311	10		10		10		10		10		10		10	
1/4	68	1/4	193	1/4	313	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	70	1/2	195	1/2	315	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	198	3/4	317	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	75	11	201	11	319	11		11		11		11		11		11		11	
1/4	77	1/4	204	1/4	321	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	80	1/2	206	1/2	323	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	209	3/4	325	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

STRAPPED: 11/14/2024 CL
CALCULATED: 11/15/2024 CL
PRINTED: 11/15/2024 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



BARGE "HSM 4106"

PORT SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01"

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	9	0	295	0	580	0	866	0	1,152	0		0		0		0		0	
1/4	15	1/4	301	1/4	586	1/4	872	1/4	1,158	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	307	1/2	592	1/2	878	1/2	1,164	1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	313	3/4	598	3/4	884	3/4	1,170	3/4		3/4		3/4		3/4		3/4	
1	33	1	318	1	604	1	890	1	1,176	1		1		1		1		1	
1/4	39	1/4	324	1/4	610	1/4	896	1/4	1,182	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	330	1/2	616	1/2	902	1/2	1,188	1/2		1/2		1/2		1/2		1/2	
3/4	51	3/4	336	3/4	622	3/4	908	3/4	1,194	3/4		3/4		3/4		3/4		3/4	
2	57	2	342	2	628	2	914	2	1,199	2		2		2		2		2	
1/4	63	1/4	348	1/4	634	1/4	920	1/4	1,205	1/4		1/4		1/4		1/4		1/4	
1/2	68	1/2	354	1/2	640	1/2	926	1/2	1,211	1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	360	3/4	646	3/4	932	3/4	1,217	3/4		3/4		3/4		3/4		3/4	
3	80	3	366	3	652	3	938	3	1,223	3		3		3		3		3	
1/4	86	1/4	372	1/4	658	1/4	944	1/4	1,229	1/4		1/4		1/4		1/4		1/4	
1/2	92	1/2	378	1/2	664	1/2	949	1/2	1,235	1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	384	3/4	670	3/4	955	3/4	1,241	3/4		3/4		3/4		3/4		3/4	
4	104	4	390	4	676	4	961	4	1,247	4		4		4		4		4	
1/4	110	1/4	396	1/4	682	1/4	967	1/4	1,253	1/4		1/4		1/4		1/4		1/4	
1/2	116	1/2	402	1/2	688	1/2	973	1/2	1,259	1/2		1/2		1/2		1/2		1/2	
3/4	122	3/4	408	3/4	694	3/4	979	3/4	1,265	3/4		3/4		3/4		3/4		3/4	
5	128	5	414	5	699	5	985	5	1,271	5		5		5		5		5	
1/4	134	1/4	420	1/4	705	1/4	991	1/4	1,277	1/4		1/4		1/4		1/4		1/4	
1/2	140	1/2	426	1/2	711	1/2	997	1/2	1,280	1/2		1/2		1/2		1/2		1/2	
3/4	146	3/4	432	3/4	717	3/4	1,003	3/4		3/4		3/4		3/4		3/4		3/4	
6	152	6	438	6	723	6	1,009	6		6		6		6		6		6	
1/4	158	1/4	443	1/4	729	1/4	1,015	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	449	1/2	735	1/2	1,021	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	170	3/4	455	3/4	741	3/4	1,027	3/4		3/4		3/4		3/4		3/4		3/4	
7	176	7	461	7	747	7	1,033	7		7		7		7		7		7	
1/4	182	1/4	467	1/4	753	1/4	1,039	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188	1/2	473	1/2	759	1/2	1,045	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	193	3/4	479	3/4	765	3/4	1,051	3/4		3/4		3/4		3/4		3/4		3/4	
8	199	8	485	8	771	8	1,057	8		8		8		8		8		8	
1/4	205	1/4	491	1/4	777	1/4	1,063	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	211	1/2	497	1/2	783	1/2	1,069	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	217	3/4	503	3/4	789	3/4	1,074	3/4		3/4		3/4		3/4		3/4		3/4	
9	223	9	509	9	795	9	1,080	9		9		9		9		9		9	
1/4	229	1/4	515	1/4	801	1/4	1,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	235	1/2	521	1/2	807	1/2	1,092	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	241	3/4	527	3/4	813	3/4	1,098	3/4		3/4		3/4		3/4		3/4		3/4	
10	247	10	533	10	819	10	1,104	10		10		10		10		10		10	
1/4	253	1/4	539	1/4	824	1/4	1,110	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	259	1/2	545	1/2	830	1/2	1,116	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	265	3/4	551	3/4	836	3/4	1,122	3/4		3/4		3/4		3/4		3/4		3/4	
11	271	11	557	11	842	11	1,128	11		11		11		11		11		11	
1/4	277	1/4	563	1/4	848	1/4	1,134	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	568	1/2	854	1/2	1,140	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	289	3/4	574	3/4	860	3/4	1,146	3/4		3/4		3/4		3/4		3/4		3/4	

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 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF 2" MMC VALVE

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 Pearland, Texas 77588
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BARGE "HSM 4106"

STBD SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01"

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	9	0	296	0	584	0	871	0	1,158	0		0		0		0		0	
1/4	15	1/4	302	1/4	590	1/4	877	1/4	1,164	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	308	1/2	595	1/2	883	1/2	1,170	1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	314	3/4	601	3/4	889	3/4	1,176	3/4		3/4		3/4		3/4		3/4	
1	33	1	320	1	607	1	895	1	1,182	1		1		1		1		1	
1/4	39	1/4	326	1/4	613	1/4	901	1/4	1,188	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	332	1/2	619	1/2	907	1/2	1,194	1/2		1/2		1/2		1/2		1/2	
3/4	51	3/4	338	3/4	625	3/4	913	3/4	1,200	3/4		3/4		3/4		3/4		3/4	
2	57	2	344	2	631	2	919	2	1,206	2		2		2		2		2	
1/4	63	1/4	350	1/4	637	1/4	925	1/4	1,212	1/4		1/4		1/4		1/4		1/4	
1/2	69	1/2	356	1/2	643	1/2	931	1/2	1,218	1/2		1/2		1/2		1/2		1/2	
3/4	75	3/4	362	3/4	649	3/4	937	3/4	1,224	3/4		3/4		3/4		3/4		3/4	
3	81	3	368	3	655	3	943	3	1,230	3		3		3		3		3	
1/4	87	1/4	374	1/4	661	1/4	949	1/4	1,236	1/4		1/4		1/4		1/4		1/4	
1/2	93	1/2	380	1/2	667	1/2	955	1/2	1,242	1/2		1/2		1/2		1/2		1/2	
3/4	99	3/4	386	3/4	673	3/4	961	3/4	1,248	3/4		3/4		3/4		3/4		3/4	
4	105	4	392	4	679	4	967	4	1,254	4		4		4		4		4	
1/4	111	1/4	398	1/4	685	1/4	973	1/4	1,260	1/4		1/4		1/4		1/4		1/4	
1/2	117	1/2	404	1/2	691	1/2	979	1/2	1,266	1/2		1/2		1/2		1/2		1/2	
3/4	123	3/4	410	3/4	697	3/4	984	3/4	1,272	3/4		3/4		3/4		3/4		3/4	
5	129	5	416	5	703	5	990	5	1,278	5		5		5		5		5	
1/4	135	1/4	422	1/4	709	1/4	996	1/4	1,284	1/4		1/4		1/4		1/4		1/4	
1/2	141	1/2	428	1/2	715	1/2	1,002	1/2	1,287	1/2		1/2		1/2		1/2		1/2	
3/4	147	3/4	434	3/4	721	3/4	1,008	3/4	=====	3/4		3/4		3/4		3/4		3/4	
6	153	6	440	6	727	6	1,014	6		6		6		6		6		6	
1/4	159	1/4	446	1/4	733	1/4	1,020	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165	1/2	452	1/2	739	1/2	1,026	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	171	3/4	458	3/4	745	3/4	1,032	3/4		3/4		3/4		3/4		3/4		3/4	
7	177	7	464	7	751	7	1,038	7		7		7		7		7		7	
1/4	183	1/4	470	1/4	757	1/4	1,044	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	189	1/2	476	1/2	763	1/2	1,050	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	195	3/4	482	3/4	769	3/4	1,056	3/4		3/4		3/4		3/4		3/4		3/4	
8	200	8	488	8	775	8	1,062	8		8		8		8		8		8	
1/4	206	1/4	494	1/4	781	1/4	1,068	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	212	1/2	500	1/2	787	1/2	1,074	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	218	3/4	506	3/4	793	3/4	1,080	3/4		3/4		3/4		3/4		3/4		3/4	
9	224	9	512	9	799	9	1,086	9		9		9		9		9		9	
1/4	230	1/4	518	1/4	805	1/4	1,092	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	236	1/2	524	1/2	811	1/2	1,098	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	242	3/4	530	3/4	817	3/4	1,104	3/4		3/4		3/4		3/4		3/4		3/4	
10	248	10	536	10	823	10	1,110	10		10		10		10		10		10	
1/4	254	1/4	542	1/4	829	1/4	1,116	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	260	1/2	548	1/2	835	1/2	1,122	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	266	3/4	554	3/4	841	3/4	1,128	3/4		3/4		3/4		3/4		3/4		3/4	
11	272	11	560	11	847	11	1,134	11		11		11		11		11		11	
1/4	278	1/4	566	1/4	853	1/4	1,140	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	284	1/2	572	1/2	859	1/2	1,146	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	290	3/4	578	3/4	865	3/4	1,152	3/4		3/4		3/4		3/4		3/4		3/4	

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