



BARGE "HSM 3019"

INNAGE TRIM TABLE "MMC" GAUGE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
2 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
3 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

September 17, 2019

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3019"

INNAGE TRIM TABLE 8" GAUGE HATCH

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
2 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 3 PORT IS - 00-3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

September 17, 2019

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BARGE "HSM 3019"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 3/8"

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	474	0	13,413	0	28,358	0	43,393	0	58,366	0	73,360	0	88,395	0	103,431	0	118,462	0	133,491
1/4	651	1/4	13,715	1/4	28,671	1/4	43,706	1/4	58,676	1/4	73,673	1/4	88,709	1/4	103,744	1/4	118,775	1/4	133,804
1/2	828	1/2	14,017	1/2	28,985	1/2	44,020	1/2	58,987	1/2	73,986	1/2	89,022	1/2	104,057	1/2	119,088	1/2	134,117
3/4	1,005	3/4	14,318	3/4	29,298	3/4	44,333	3/4	59,298	3/4	74,299	3/4	89,335	3/4	104,371	3/4	119,401	3/4	134,430
1	1,213	1	14,622	1	29,611	1	44,646	1	59,609	1	74,613	1	89,648	1	104,684	1	119,714	1	134,744
1/4	1,452	1/4	14,928	1/4	29,924	1/4	44,959	1/4	59,920	1/4	74,926	1/4	89,962	1/4	104,997	1/4	120,028	1/4	135,057
1/2	1,691	1/2	15,233	1/2	30,237	1/2	45,273	1/2	60,231	1/2	75,239	1/2	90,275	1/2	105,310	1/2	120,341	1/2	135,370
3/4	1,930	3/4	15,539	3/4	30,551	3/4	45,586	3/4	60,542	3/4	75,552	3/4	90,588	3/4	105,624	3/4	120,654	3/4	135,683
2	2,180	2	15,846	2	30,864	2	45,899	2	60,853	2	75,866	2	90,901	2	105,937	2	120,967	2	135,996
1/4	2,443	1/4	16,155	1/4	31,177	1/4	46,212	1/4	61,164	1/4	76,179	1/4	91,215	1/4	106,250	1/4	121,280	1/4	136,309
1/2	2,705	1/2	16,465	1/2	31,490	1/2	46,526	1/2	61,474	1/2	76,492	1/2	91,528	1/2	106,563	1/2	121,593	1/2	136,622
3/4	2,967	3/4	16,774	3/4	31,804	3/4	46,839	3/4	61,785	3/4	76,805	3/4	91,841	3/4	106,877	3/4	121,906	3/4	136,935
3	3,231	3	17,085	3	32,117	3	47,152	3	62,096	3	77,119	3	92,154	3	107,190	3	122,219	3	137,248
1/4	3,498	1/4	17,397	1/4	32,430	1/4	47,465	1/4	62,407	1/4	77,432	1/4	92,468	1/4	107,503	1/4	122,532	1/4	137,562
1/2	3,765	1/2	17,710	1/2	32,743	1/2	47,779	1/2	62,718	1/2	77,745	1/2	92,781	1/2	107,816	1/2	122,846	1/2	137,875
3/4	4,031	3/4	18,022	3/4	33,057	3/4	48,092	3/4	63,029	3/4	78,058	3/4	93,094	3/4	108,129	3/4	123,159	3/4	138,188
4	4,300	4	18,335	4	33,370	4	48,405	4	63,341	4	78,372	4	93,407	4	108,443	4	123,472	4	138,501
1/4	4,571	1/4	18,648	1/4	33,683	1/4	48,717	1/4	63,653	1/4	78,685	1/4	93,720	1/4	108,756	1/4	123,785	1/4	138,814
1/2	4,842	1/2	18,961	1/2	33,996	1/2	49,030	1/2	63,965	1/2	78,998	1/2	94,034	1/2	109,069	1/2	124,098	1/2	139,127
3/4	5,112	3/4	19,274	3/4	34,309	3/4	49,342	3/4	64,277	3/4	79,311	3/4	94,347	3/4	109,382	3/4	124,411	3/4	139,440
5	5,385	5	19,587	5	34,623	5	49,654	5	64,589	5	79,625	5	94,660	5	109,695	5	124,724	5	139,753
1/4	5,660	1/4	19,901	1/4	34,936	1/4	49,966	1/4	64,903	1/4	79,938	1/4	94,973	1/4	110,008	1/4	125,037	1/4	140,066
1/2	5,935	1/2	20,214	1/2	35,249	1/2	50,278	1/2	65,216	1/2	80,251	1/2	95,287	1/2	110,321	1/2	125,350	1/2	140,380
3/4	6,209	3/4	20,527	3/4	35,562	3/4	50,590	3/4	65,529	3/4	80,564	3/4	95,600	3/4	110,634	3/4	125,663	3/4	140,693
6	6,486	6	20,840	6	35,876	6	50,901	6	65,842	6	80,878	6	95,913	6	110,947	6	125,977	6	141,006
1/4	6,764	1/4	21,154	1/4	36,189	1/4	51,213	1/4	66,155	1/4	81,191	1/4	96,226	1/4	111,261	1/4	126,290	1/4	141,319
1/2	7,043	1/2	21,467	1/2	36,502	1/2	51,524	1/2	66,468	1/2	81,504	1/2	96,540	1/2	111,574	1/2	126,603	1/2	141,632
3/4	7,321	3/4	21,780	3/4	36,815	3/4	51,836	3/4	66,782	3/4	81,817	3/4	96,853	3/4	111,887	3/4	126,916	3/4	141,945
7	7,602	7	22,093	7	37,129	7	52,147	7	67,095	7	82,130	7	97,166	7	112,200	7	127,229	7	142,258
1/4	7,884	1/4	22,407	1/4	37,442	1/4	52,458	1/4	67,408	1/4	82,444	1/4	97,479	1/4	112,513	1/4	127,542	1/4	142,571
1/2	8,167	1/2	22,720	1/2	37,755	1/2	52,770	1/2	67,721	1/2	82,757	1/2	97,793	1/2	112,826	1/2	127,855	1/2	142,884
3/4	8,449	3/4	23,033	3/4	38,068	3/4	53,081	3/4	68,035	3/4	83,070	3/4	98,106	3/4	113,139	3/4	128,168	3/4	143,197
8	8,733	8	23,346	8	38,382	8	53,392	8	68,348	8	83,383	8	98,419	8	113,452	8	128,481	8	143,511
1/4	9,020	1/4	23,660	1/4	38,695	1/4	53,703	1/4	68,661	1/4	83,697	1/4	98,732	1/4	113,765	1/4	128,795	1/4	143,824
1/2	9,306	1/2	23,973	1/2	39,008	1/2	54,013	1/2	68,974	1/2	84,010	1/2	99,046	1/2	114,078	1/2	129,108	1/2	144,137
3/4	9,592	3/4	24,286	3/4	39,321	3/4	54,324	3/4	69,288	3/4	84,323	3/4	99,359	3/4	114,392	3/4	129,421	3/4	144,450
9	9,880	9	24,599	9	39,634	9	54,635	9	69,601	9	84,636	9	99,672	9	114,705	9	129,734	9	144,763
1/4	10,170	1/4	24,912	1/4	39,948	1/4	54,946	1/4	69,914	1/4	84,950	1/4	99,985	1/4	115,018	1/4	130,047	1/4	145,076
1/2	10,460	1/2	25,226	1/2	40,261	1/2	55,257	1/2	70,227	1/2	85,263	1/2	100,299	1/2	115,331	1/2	130,360	1/2	145,389
3/4	10,751	3/4	25,539	3/4	40,574	3/4	55,568	3/4	70,540	3/4	85,576	3/4	100,612	3/4	115,644	3/4	130,673	3/4	145,702
10	11,043	10	25,852	10	40,887	10	55,879	10	70,854	10	85,889	10	100,925	10	115,957	10	130,986	10	146,015
1/4	11,336	1/4	26,165	1/4	41,201	1/4	56,190	1/4	71,167	1/4	86,203	1/4	101,238	1/4	116,270	1/4	131,299	1/4	146,329
1/2	11,630	1/2	26,479	1/2	41,514	1/2	56,500	1/2	71,480	1/2	86,516	1/2	101,552	1/2	116,583	1/2	131,613	1/2	146,642
3/4	11,924	3/4	26,792	3/4	41,827	3/4	56,811	3/4	71,793	3/4	86,829	3/4	101,865	3/4	116,896	3/4	131,926	3/4	146,955
11	12,220	11	27,105	11	42,140	11	57,122	11	72,107	11	87,142	11	102,178	11	117,210	11	132,239	11	147,268
1/4	12,518	1/4	27,418	1/4	42,454	1/4	57,433	1/4	72,420	1/4	87,456	1/4	102,491	1/4	117,523	1/4	132,552	1/4	147,581
1/2	12,816	1/2	27,732	1/2	42,767	1/2	57,744	1/2	72,733	1/2	87,769	1/2	102,805	1/2	117,836	1/2	132,865	1/2	147,894
3/4	13,114	3/4	28,045	3/4	43,080	3/4	58,055	3/4	73,046	3/4	88,082	3/4	103,118	3/4	118,149	3/4	133,178	3/4	148,207

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

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

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

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1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 3/8"

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	148,520	0	163,549	0	178,569	0	193,554	0	208,451	0		0		0		0		0	
1/4	148,833	1/4	163,863	1/4	178,881	1/4	193,867	1/4	208,732	1/4		1/4		1/4		1/4		1/4	
1/2	149,147	1/2	164,176	1/2	179,193	1/2	194,179	1/2	209,012	1/2		1/2		1/2		1/2		1/2	
3/4	149,460	3/4	164,489	3/4	179,506	3/4	194,491	3/4	209,292	3/4		3/4		3/4		3/4		3/4	
1	149,773	1	164,802	1	179,818	1	194,803	1	209,548	1		1		1		1		1	
1/4	150,086	1/4	165,115	1/4	180,130	1/4	195,115	1/4	209,780	1/4		1/4		1/4		1/4		1/4	
1/2	150,399	1/2	165,428	1/2	180,442	1/2	195,428	1/2	210,012	1/2		1/2		1/2		1/2		1/2	
3/4	150,712	3/4	165,741	3/4	180,754	3/4	195,740	3/4	210,244	3/4		3/4		3/4		3/4		3/4	
2	151,025	2	166,054	2	181,067	2	196,052	2	210,450	2		2		2		2		2	
1/4	151,338	1/4	166,367	1/4	181,379	1/4	196,364	1/4	210,629	1/4		1/4		1/4		1/4		1/4	
1/2	151,651	1/2	166,681	1/2	181,691	1/2	196,676	1/2	210,809	1/2		1/2		1/2		1/2		1/2	
3/4	151,965	3/4	166,994	3/4	182,003	3/4	196,988	3/4	210,989	3/4		3/4		3/4		3/4		3/4	
3	152,278	3	167,307	3	182,315	3	197,301	278	211,079	3		3		3		3		3	
1/4	152,591	1/4	167,620	1/4	182,628	1/4	197,613	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,904	1/2	167,933	1/2	182,940	1/2	197,925	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,217	3/4	168,246	3/4	183,252	3/4	198,237	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,530	4	168,559	4	183,564	4	198,549	4		4		4		4		4		4	
1/4	153,843	1/4	168,872	1/4	183,876	1/4	198,862	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,156	1/2	169,185	1/2	184,189	1/2	199,174	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,469	3/4	169,499	3/4	184,501	3/4	199,486	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,782	5	169,812	5	184,813	5	199,798	5		5		5		5		5		5	
1/4	155,096	1/4	170,125	1/4	185,125	1/4	200,109	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,409	1/2	170,438	1/2	185,437	1/2	200,420	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,722	3/4	170,751	3/4	185,749	3/4	200,731	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,035	6	171,064	6	186,062	6	201,042	6		6		6		6		6		6	
1/4	156,348	1/4	171,377	1/4	186,374	1/4	201,352	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,661	1/2	171,690	1/2	186,686	1/2	201,662	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,974	3/4	172,003	3/4	186,998	3/4	201,972	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,287	7	172,316	7	187,310	7	202,282	7		7		7		7		7		7	
1/4	157,600	1/4	172,630	1/4	187,623	1/4	202,592	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,914	1/2	172,943	1/2	187,935	1/2	202,902	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,227	3/4	173,256	3/4	188,247	3/4	203,212	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,540	8	173,569	8	188,559	8	203,522	8		8		8		8		8		8	
1/4	158,853	1/4	173,882	1/4	188,871	1/4	203,833	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,166	1/2	174,195	1/2	189,184	1/2	204,143	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,479	3/4	174,508	3/4	189,496	3/4	204,453	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,792	9	174,821	9	189,808	9	204,763	9		9		9		9		9		9	
1/4	160,105	1/4	175,134	1/4	190,120	1/4	205,073	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,418	1/2	175,446	1/2	190,432	1/2	205,383	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,732	3/4	175,759	3/4	190,745	3/4	205,693	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,045	10	176,071	10	191,057	10	206,003	10		10		10		10		10		10	
1/4	161,358	1/4	176,384	1/4	191,369	1/4	206,313	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,671	1/2	176,696	1/2	191,681	1/2	206,623	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,984	3/4	177,008	3/4	191,993	3/4	206,932	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,297	11	177,320	11	192,306	11	207,240	11		11		11		11		11		11	
1/4	162,610	1/4	177,632	1/4	192,618	1/4	207,546	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,923	1/2	177,945	1/2	192,930	1/2	207,852	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,236	3/4	178,257	3/4	193,242	3/4	208,158	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 JS
CALCULATED: 09/17/2019 CL
REPRINTED: 10/10/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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



BARGE "HSM 3019"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	474	0	13,408	0	28,347	0	43,377	0	58,402	0	73,429	0	88,459	0	103,489	0	118,514	0	133,537
1/4	651	1/4	13,710	1/4	28,660	1/4	43,690	1/4	58,714	1/4	73,742	1/4	88,772	1/4	103,802	1/4	118,827	1/4	133,850
1/2	828	1/2	14,011	1/2	28,973	1/2	44,003	1/2	59,027	1/2	74,055	1/2	89,085	1/2	104,115	1/2	119,140	1/2	134,163
3/4	1,005	3/4	14,313	3/4	29,287	3/4	44,316	3/4	59,340	3/4	74,368	3/4	89,398	3/4	104,428	3/4	119,453	3/4	134,476
1	1,213	1	14,617	1	29,600	1	44,629	1	59,653	1	74,681	1	89,711	1	104,741	1	119,766	1	134,789
1/4	1,452	1/4	14,922	1/4	29,913	1/4	44,942	1/4	59,966	1/4	74,994	1/4	90,024	1/4	105,054	1/4	120,079	1/4	135,102
1/2	1,690	1/2	15,227	1/2	30,226	1/2	45,255	1/2	60,279	1/2	75,308	1/2	90,337	1/2	105,367	1/2	120,392	1/2	135,415
3/4	1,929	3/4	15,533	3/4	30,539	3/4	45,568	3/4	60,592	3/4	75,621	3/4	90,651	3/4	105,680	3/4	120,705	3/4	135,728
2	2,180	2	15,840	2	30,852	2	45,882	2	60,905	2	75,934	2	90,964	2	105,994	2	121,018	2	136,041
1/4	2,442	1/4	16,149	1/4	31,165	1/4	46,195	1/4	61,218	1/4	76,247	1/4	91,277	1/4	106,307	1/4	121,331	1/4	136,354
1/2	2,704	1/2	16,459	1/2	31,478	1/2	46,508	1/2	61,531	1/2	76,560	1/2	91,590	1/2	106,620	1/2	121,644	1/2	136,667
3/4	2,966	3/4	16,768	3/4	31,791	3/4	46,821	3/4	61,844	3/4	76,873	3/4	91,903	3/4	106,933	3/4	121,957	3/4	136,980
3	3,230	3	17,079	3	32,105	3	47,134	3	62,157	3	77,186	3	92,216	3	107,246	3	122,270	3	137,293
1/4	3,497	1/4	17,391	1/4	32,418	1/4	47,447	1/4	62,470	1/4	77,499	1/4	92,529	1/4	107,559	1/4	122,583	1/4	137,606
1/2	3,763	1/2	17,703	1/2	32,731	1/2	47,760	1/2	62,783	1/2	77,813	1/2	92,842	1/2	107,872	1/2	122,896	1/2	137,919
3/4	4,030	3/4	18,015	3/4	33,044	3/4	48,073	3/4	63,096	3/4	78,126	3/4	93,156	3/4	108,185	3/4	123,209	3/4	138,232
4	4,299	4	18,328	4	33,357	4	48,386	4	63,409	4	78,439	4	93,469	4	108,498	4	123,522	4	138,545
1/4	4,569	1/4	18,641	1/4	33,670	1/4	48,700	1/4	63,722	1/4	78,752	1/4	93,782	1/4	108,811	1/4	123,835	1/4	138,858
1/2	4,840	1/2	18,954	1/2	33,983	1/2	49,013	1/2	64,035	1/2	79,065	1/2	94,095	1/2	109,124	1/2	124,148	1/2	139,171
3/4	5,111	3/4	19,267	3/4	34,296	3/4	49,326	3/4	64,348	3/4	79,378	3/4	94,408	3/4	109,437	3/4	124,461	3/4	139,484
5	5,383	5	19,580	5	34,610	5	49,639	5	64,661	5	79,691	5	94,721	5	109,750	5	124,774	5	139,797
1/4	5,658	1/4	19,893	1/4	34,923	1/4	49,952	1/4	64,975	1/4	80,004	1/4	95,034	1/4	110,063	1/4	125,087	1/4	140,110
1/2	5,932	1/2	20,206	1/2	35,236	1/2	50,265	1/2	65,288	1/2	80,318	1/2	95,347	1/2	110,376	1/2	125,400	1/2	140,423
3/4	6,207	3/4	20,519	3/4	35,549	3/4	50,578	3/4	65,601	3/4	80,631	3/4	95,661	3/4	110,689	3/4	125,712	3/4	140,736
6	6,483	6	20,833	6	35,862	6	50,891	6	65,914	6	80,944	6	95,974	6	111,002	6	126,025	6	141,049
1/4	6,762	1/4	21,146	1/4	36,175	1/4	51,204	1/4	66,227	1/4	81,257	1/4	96,287	1/4	111,315	1/4	126,338	1/4	141,362
1/2	7,040	1/2	21,459	1/2	36,488	1/2	51,517	1/2	66,540	1/2	81,570	1/2	96,600	1/2	111,628	1/2	126,651	1/2	141,675
3/4	7,319	3/4	21,772	3/4	36,801	3/4	51,831	3/4	66,853	3/4	81,883	3/4	96,913	3/4	111,941	3/4	126,964	3/4	141,988
7	7,599	7	22,085	7	37,114	7	52,144	7	67,166	7	82,196	7	97,226	7	112,254	7	127,277	7	142,301
1/4	7,881	1/4	22,398	1/4	37,428	1/4	52,456	1/4	67,479	1/4	82,509	1/4	97,539	1/4	112,567	1/4	127,590	1/4	142,614
1/2	8,164	1/2	22,711	1/2	37,741	1/2	52,769	1/2	67,793	1/2	82,822	1/2	97,852	1/2	112,880	1/2	127,903	1/2	142,927
3/4	8,446	3/4	23,024	3/4	38,054	3/4	53,082	3/4	68,106	3/4	83,136	3/4	98,166	3/4	113,193	3/4	128,216	3/4	143,240
8	8,730	8	23,337	8	38,367	8	53,395	8	68,419	8	83,449	8	98,479	8	113,506	8	128,529	8	143,553
1/4	9,016	1/4	23,651	1/4	38,680	1/4	53,708	1/4	68,732	1/4	83,762	1/4	98,792	1/4	113,819	1/4	128,842	1/4	143,866
1/2	9,302	1/2	23,964	1/2	38,993	1/2	54,021	1/2	69,045	1/2	84,075	1/2	99,105	1/2	114,132	1/2	129,155	1/2	144,179
3/4	9,588	3/4	24,277	3/4	39,306	3/4	54,334	3/4	69,358	3/4	84,388	3/4	99,418	3/4	114,445	3/4	129,468	3/4	144,492
9	9,877	9	24,590	9	39,619	9	54,647	9	69,671	9	84,701	9	99,731	9	114,758	9	129,781	9	144,805
1/4	10,167	1/4	24,903	1/4	39,932	1/4	54,960	1/4	69,984	1/4	85,014	1/4	100,044	1/4	115,071	1/4	130,094	1/4	145,118
1/2	10,457	1/2	25,216	1/2	40,246	1/2	55,273	1/2	70,298	1/2	85,327	1/2	100,357	1/2	115,384	1/2	130,407	1/2	145,431
3/4	10,746	3/4	25,529	3/4	40,559	3/4	55,586	3/4	70,611	3/4	85,641	3/4	100,670	3/4	115,697	3/4	130,720	3/4	145,744
10	11,038	10	25,842	10	40,872	10	55,898	10	70,924	10	85,954	10	100,984	10	116,010	10	131,033	10	146,057
1/4	11,332	1/4	26,155	1/4	41,185	1/4	56,211	1/4	71,237	1/4	86,267	1/4	101,297	1/4	116,323	1/4	131,346	1/4	146,370
1/2	11,626	1/2	26,469	1/2	41,498	1/2	56,524	1/2	71,550	1/2	86,580	1/2	101,610	1/2	116,636	1/2	131,659	1/2	146,683
3/4	11,920	3/4	26,782	3/4	41,811	3/4	56,837	3/4	71,863	3/4	86,893	3/4	101,923	3/4	116,949	3/4	131,972	3/4	146,996
11	12,216	11	27,095	11	42,124	11	57,150	11	72,176	11	87,206	11	102,236	11	117,262	11	132,285	11	147,309
1/4	12,513	1/4	27,408	1/4	42,437	1/4	57,463	1/4	72,489	1/4	87,519	1/4	102,549	1/4	117,575	1/4	132,598	1/4	147,622
1/2	12,811	1/2	27,721	1/2	42,750	1/2	57,776	1/2	72,803	1/2	87,832	1/2	102,862	1/2	117,888	1/2	132,911	1/2	147,935
3/4	13,109	3/4	28,034	3/4	43,064	3/4	58,089	3/4	73,116	3/4	88,146	3/4	103,175	3/4	118,201	3/4	133,224	3/4	148,248

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

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

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3019"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	148,561	0	163,584	0	178,598	0	193,578	0	208,470	0		0		0		0		0	
1/4	148,874	1/4	163,897	1/4	178,911	1/4	193,890	1/4	208,750	1/4		1/4		1/4		1/4		1/4	
1/2	149,187	1/2	164,210	1/2	179,223	1/2	194,202	1/2	209,030	1/2		1/2		1/2		1/2		1/2	
3/4	149,500	3/4	164,523	3/4	179,535	3/4	194,514	3/4	209,310	3/4		3/4		3/4		3/4		3/4	
1	149,813	1	164,836	1	179,847	1	194,827	1	209,566	1		1		1		1		1	
1/4	150,126	1/4	165,149	1/4	180,159	1/4	195,139	1/4	209,798	1/4		1/4		1/4		1/4		1/4	
1/2	150,439	1/2	165,462	1/2	180,471	1/2	195,451	1/2	210,030	1/2		1/2		1/2		1/2		1/2	
3/4	150,752	3/4	165,775	3/4	180,783	3/4	195,763	3/4	210,262	3/4		3/4		3/4		3/4		3/4	
2	151,065	2	166,088	2	181,095	2	196,075	2	210,467	2		2		2		2		2	
1/4	151,378	1/4	166,401	1/4	181,407	1/4	196,387	1/4	210,647	1/4		1/4		1/4		1/4		1/4	
1/2	151,691	1/2	166,714	1/2	181,719	1/2	196,699	1/2	210,827	1/2		1/2		1/2		1/2		1/2	
3/4	152,004	3/4	167,027	3/4	182,031	3/4	197,011	3/4	211,006	3/4		3/4		3/4		3/4		3/4	
3	152,317	3	167,340	3	182,343	3	197,323	278	211,096	3		3		3		3		3	
1/4	152,630	1/4	167,653	1/4	182,655	1/4	197,635	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,943	1/2	167,966	1/2	182,968	1/2	197,947	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,256	3/4	168,279	3/4	183,280	3/4	198,259	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,569	4	168,592	4	183,592	4	198,571	4		4		4		4		4		4	
1/4	153,882	1/4	168,905	1/4	183,904	1/4	198,884	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,195	1/2	169,218	1/2	184,216	1/2	199,196	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,508	3/4	169,531	3/4	184,528	3/4	199,508	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,821	5	169,844	5	184,840	5	199,819	5		5		5		5		5		5	
1/4	155,134	1/4	170,157	1/4	185,152	1/4	200,130	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,447	1/2	170,470	1/2	185,464	1/2	200,441	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,760	3/4	170,783	3/4	185,776	3/4	200,752	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,073	6	171,096	6	186,088	6	201,063	6		6		6		6		6		6	
1/4	156,386	1/4	171,409	1/4	186,400	1/4	201,373	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,699	1/2	171,722	1/2	186,712	1/2	201,683	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,012	3/4	172,035	3/4	187,025	3/4	201,993	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,325	7	172,348	7	187,337	7	202,303	7		7		7		7		7		7	
1/4	157,638	1/4	172,661	1/4	187,649	1/4	202,613	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,951	1/2	172,974	1/2	187,961	1/2	202,923	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,264	3/4	173,287	3/4	188,273	3/4	203,233	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,577	8	173,600	8	188,585	8	203,543	8		8		8		8		8		8	
1/4	158,889	1/4	173,913	1/4	188,897	1/4	203,853	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,202	1/2	174,226	1/2	189,209	1/2	204,163	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,515	3/4	174,539	3/4	189,521	3/4	204,473	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,828	9	174,852	9	189,833	9	204,783	9		9		9		9		9		9	
1/4	160,141	1/4	175,164	1/4	190,145	1/4	205,093	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,454	1/2	175,477	1/2	190,457	1/2	205,403	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,767	3/4	175,789	3/4	190,770	3/4	205,713	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,080	10	176,102	10	191,082	10	206,023	10		10		10		10		10		10	
1/4	161,393	1/4	176,414	1/4	191,394	1/4	206,332	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,706	1/2	176,726	1/2	191,706	1/2	206,642	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,019	3/4	177,038	3/4	192,018	3/4	206,951	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,332	11	177,350	11	192,330	11	207,259	11		11		11		11		11		11	
1/4	162,645	1/4	177,662	1/4	192,642	1/4	207,565	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,958	1/2	177,974	1/2	192,954	1/2	207,871	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,271	3/4	178,286	3/4	193,266	3/4	208,177	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 JS
CALCULATED: 09/17/2019 CL
REPRINTED: 10/10/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
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BARGE "HSM 3019"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 3/8"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,151	0	15,873	0	30,955	0	45,660	0	60,165	0	75,043	0	90,128	0	105,213	0	120,293	0	135,370
1/4	1,386	1/4	16,188	1/4	31,270	1/4	45,961	1/4	60,467	1/4	75,358	1/4	90,442	1/4	105,527	1/4	120,607	1/4	135,684
1/2	1,622	1/2	16,502	1/2	31,584	1/2	46,263	1/2	60,769	1/2	75,672	1/2	90,757	1/2	105,842	1/2	120,921	1/2	135,998
3/4	1,858	3/4	16,816	3/4	31,898	3/4	46,564	3/4	61,072	3/4	75,986	3/4	91,071	3/4	106,156	3/4	121,235	3/4	136,312
1	2,122	1	17,130	1	32,213	1	46,866	1	61,374	1	76,300	1	91,385	1	106,470	1	121,549	1	136,626
1/4	2,416	1/4	17,445	1/4	32,527	1/4	47,167	1/4	61,677	1/4	76,615	1/4	91,700	1/4	106,784	1/4	121,863	1/4	136,941
1/2	2,710	1/2	17,759	1/2	32,841	1/2	47,469	1/2	61,979	1/2	76,929	1/2	92,014	1/2	107,099	1/2	122,177	1/2	137,255
3/4	3,004	3/4	18,073	3/4	33,155	3/4	47,771	3/4	62,282	3/4	77,243	3/4	92,328	3/4	107,413	3/4	122,491	3/4	137,569
2	3,307	2	18,387	2	33,470	2	48,072	2	62,584	2	77,557	2	92,642	2	107,727	2	122,805	2	137,883
1/4	3,621	1/4	18,702	1/4	33,784	1/4	48,374	1/4	62,887	1/4	77,872	1/4	92,957	1/4	108,042	1/4	123,120	1/4	138,197
1/2	3,934	1/2	19,016	1/2	34,098	1/2	48,675	1/2	63,189	1/2	78,186	1/2	93,271	1/2	108,356	1/2	123,434	1/2	138,511
3/4	4,247	3/4	19,330	3/4	34,412	3/4	48,977	3/4	63,492	3/4	78,500	3/4	93,585	3/4	108,670	3/4	123,748	3/4	138,825
3	4,561	3	19,644	3	34,727	3	49,279	3	63,794	3	78,814	3	93,899	3	108,984	3	124,062	3	139,139
1/4	4,875	1/4	19,959	1/4	35,041	1/4	49,581	1/4	64,097	1/4	79,129	1/4	94,214	1/4	109,298	1/4	124,376	1/4	139,453
1/2	5,189	1/2	20,273	1/2	35,355	1/2	49,882	1/2	64,399	1/2	79,443	1/2	94,528	1/2	109,613	1/2	124,690	1/2	139,768
3/4	5,503	3/4	20,587	3/4	35,669	3/4	50,184	3/4	64,702	3/4	79,757	3/4	94,842	3/4	109,927	3/4	125,004	3/4	140,082
4	5,817	4	20,901	4	35,981	4	50,486	4	65,007	4	80,072	4	95,156	4	110,241	4	125,318	4	140,396
1/4	6,131	1/4	21,216	1/4	36,289	1/4	50,788	1/4	65,316	1/4	80,386	1/4	95,471	1/4	110,555	1/4	125,632	1/4	140,710
1/2	6,446	1/2	21,530	1/2	36,597	1/2	51,090	1/2	65,624	1/2	80,700	1/2	95,785	1/2	110,869	1/2	125,947	1/2	141,024
3/4	6,760	3/4	21,844	3/4	36,906	3/4	51,393	3/4	65,932	3/4	81,014	3/4	96,099	3/4	111,183	3/4	126,261	3/4	141,338
5	7,074	5	22,158	5	37,211	5	51,695	5	66,244	5	81,329	5	96,414	5	111,497	5	126,575	5	141,652
1/4	7,388	1/4	22,473	1/4	37,514	1/4	51,997	1/4	66,558	1/4	81,643	1/4	96,728	1/4	111,812	1/4	126,889	1/4	141,966
1/2	7,703	1/2	22,787	1/2	37,816	1/2	52,300	1/2	66,872	1/2	81,957	1/2	97,042	1/2	112,126	1/2	127,203	1/2	142,280
3/4	8,017	3/4	23,101	3/4	38,119	3/4	52,602	3/4	67,187	3/4	82,271	3/4	97,356	3/4	112,440	3/4	127,517	3/4	142,595
6	8,331	6	23,416	6	38,421	6	52,905	6	67,501	6	82,586	6	97,671	6	112,754	6	127,831	6	142,909
1/4	8,645	1/4	23,730	1/4	38,723	1/4	53,207	1/4	67,815	1/4	82,900	1/4	97,985	1/4	113,068	1/4	128,145	1/4	143,223
1/2	8,960	1/2	24,044	1/2	39,025	1/2	53,510	1/2	68,129	1/2	83,214	1/2	98,299	1/2	113,382	1/2	128,459	1/2	143,537
3/4	9,274	3/4	24,358	3/4	39,327	3/4	53,812	3/4	68,444	3/4	83,529	3/4	98,613	3/4	113,696	3/4	128,774	3/4	143,851
7	9,588	7	24,673	7	39,629	7	54,115	7	68,758	7	83,843	7	98,928	7	114,010	7	129,088	7	144,165
1/4	9,902	1/4	24,987	1/4	39,930	1/4	54,417	1/4	69,072	1/4	84,157	1/4	99,242	1/4	114,324	1/4	129,402	1/4	144,479
1/2	10,217	1/2	25,301	1/2	40,232	1/2	54,720	1/2	69,386	1/2	84,471	1/2	99,556	1/2	114,639	1/2	129,716	1/2	144,793
3/4	10,531	3/4	25,615	3/4	40,533	3/4	55,022	3/4	69,701	3/4	84,786	3/4	99,871	3/4	114,953	3/4	130,030	3/4	145,107
8	10,845	8	25,930	8	40,835	8	55,325	8	70,015	8	85,100	8	100,185	8	115,267	8	130,344	8	145,422
1/4	11,159	1/4	26,244	1/4	41,136	1/4	55,627	1/4	70,329	1/4	85,414	1/4	100,499	1/4	115,581	1/4	130,658	1/4	145,736
1/2	11,474	1/2	26,558	1/2	41,438	1/2	55,930	1/2	70,643	1/2	85,728	1/2	100,813	1/2	115,895	1/2	130,972	1/2	146,050
3/4	11,788	3/4	26,872	3/4	41,740	3/4	56,232	3/4	70,958	3/4	86,043	3/4	101,128	3/4	116,209	3/4	131,287	3/4	146,364
9	12,102	9	27,186	9	42,041	9	56,535	9	71,272	9	86,357	9	101,442	9	116,523	9	131,601	9	146,678
1/4	12,416	1/4	27,500	1/4	42,343	1/4	56,837	1/4	71,586	1/4	86,671	1/4	101,756	1/4	116,837	1/4	131,915	1/4	146,992
1/2	12,731	1/2	27,814	1/2	42,644	1/2	57,140	1/2	71,901	1/2	86,985	1/2	102,070	1/2	117,151	1/2	132,229	1/2	147,306
3/4	13,045	3/4	28,128	3/4	42,946	3/4	57,442	3/4	72,215	3/4	87,300	3/4	102,385	3/4	117,466	3/4	132,543	3/4	147,620
10	13,359	10	28,442	10	43,247	10	57,745	10	72,529	10	87,614	10	102,699	10	117,780	10	132,857	10	147,934
1/4	13,673	1/4	28,756	1/4	43,549	1/4	58,047	1/4	72,843	1/4	87,928	1/4	103,013	1/4	118,094	1/4	133,171	1/4	148,249
1/2	13,988	1/2	29,071	1/2	43,850	1/2	58,350	1/2	73,158	1/2	88,243	1/2	103,327	1/2	118,408	1/2	133,485	1/2	148,563
3/4	14,302	3/4	29,385	3/4	44,152	3/4	58,652	3/4	73,472	3/4	88,557	3/4	103,642	3/4	118,722	3/4	133,799	3/4	148,877
11	14,616	11	29,699	11	44,453	11	58,955	11	73,786	11	88,871	11	103,956	11	119,036	11	134,114	11	149,191
1/4	14,931	1/4	30,013	1/4	44,755	1/4	59,257	1/4	74,100	1/4	89,185	1/4	104,270	1/4	119,350	1/4	134,428	1/4	149,505
1/2	15,245	1/2	30,327	1/2	45,057	1/2	59,560	1/2	74,415	1/2	89,500	1/2	104,585	1/2	119,664	1/2	134,742	1/2	149,819
3/4	15,559	3/4	30,641	3/4	45,358	3/4	59,862	3/4	74,729	3/4	89,814	3/4	104,899	3/4	119,978	3/4	135,056	3/4	150,133

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

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

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "HSM 3019"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 3/8"

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	150,447	0	165,525	0	180,591	0	195,617	0	210,530	0		0		0		0		0	
1/4	150,761	1/4	165,839	1/4	180,904	1/4	195,930	1/4	210,810	1/4		1/4		1/4		1/4		1/4	
1/2	151,076	1/2	166,153	1/2	181,217	1/2	196,243	1/2	211,090	1/2		1/2		1/2		1/2		1/2	
3/4	151,390	3/4	166,467	3/4	181,530	3/4	196,556	3/4	211,370	3/4		3/4		3/4		3/4		3/4	
1	151,704	1	166,781	1	181,843	1	196,869	1	211,626	1		1		1		1		1	
1/4	152,018	1/4	167,095	1/4	182,156	1/4	197,182	1/4	211,857	1/4		1/4		1/4		1/4		1/4	
1/2	152,332	1/2	167,409	1/2	182,469	1/2	197,495	1/2	212,089	1/2		1/2		1/2		1/2		1/2	
3/4	152,646	3/4	167,723	3/4	182,782	3/4	197,808	3/4	212,321	3/4		3/4		3/4		3/4		3/4	
2	152,960	2	168,038	2	183,095	2	198,121	2	212,526	2		2		2		2		2	
1/4	153,274	1/4	168,352	1/4	183,408	1/4	198,434	1/4	212,705	1/4		1/4		1/4		1/4		1/4	
1/2	153,588	1/2	168,666	1/2	183,721	1/2	198,747	1/2	212,884	1/2		1/2		1/2		1/2		1/2	
3/4	153,903	3/4	168,980	3/4	184,034	3/4	199,061	3/4	213,063	3/4		3/4		3/4		3/4		3/4	
3	154,217	3	169,294	3	184,347	3	199,374	278	213,153	3		3		3		3		3	
1/4	154,531	1/4	169,608	1/4	184,660	1/4	199,687	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,845	1/2	169,922	1/2	184,973	1/2	200,000	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,159	3/4	170,236	3/4	185,287	3/4	200,313	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,473	4	170,550	4	185,600	4	200,626	4		4		4		4		4		4	
1/4	155,787	1/4	170,865	1/4	185,913	1/4	200,939	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,101	1/2	171,179	1/2	186,226	1/2	201,252	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,415	3/4	171,493	3/4	186,539	3/4	201,565	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,730	5	171,807	5	186,852	5	201,877	5		5		5		5		5		5	
1/4	157,044	1/4	172,121	1/4	187,165	1/4	202,189	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,358	1/2	172,435	1/2	187,478	1/2	202,500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,672	3/4	172,749	3/4	187,791	3/4	202,812	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,986	6	173,063	6	188,104	6	203,122	6		6		6		6		6		6	
1/4	158,300	1/4	173,377	1/4	188,417	1/4	203,432	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,614	1/2	173,692	1/2	188,730	1/2	203,742	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,928	3/4	174,006	3/4	189,043	3/4	204,052	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,242	7	174,320	7	189,356	7	204,362	7		7		7		7		7		7	
1/4	159,557	1/4	174,634	1/4	189,669	1/4	204,672	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,871	1/2	174,948	1/2	189,982	1/2	204,982	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,185	3/4	175,262	3/4	190,295	3/4	205,292	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,499	8	175,576	8	190,608	8	205,602	8		8		8		8		8		8	
1/4	160,813	1/4	175,890	1/4	190,921	1/4	205,912	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,127	1/2	176,204	1/2	191,234	1/2	206,222	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,441	3/4	176,519	3/4	191,547	3/4	206,533	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,755	9	176,832	9	191,860	9	206,843	9		9		9		9		9		9	
1/4	162,069	1/4	177,146	1/4	192,174	1/4	207,153	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,384	1/2	177,460	1/2	192,487	1/2	207,463	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,698	3/4	177,773	3/4	192,800	3/4	207,773	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,012	10	178,086	10	193,113	10	208,082	10		10		10		10		10		10	
1/4	163,326	1/4	178,400	1/4	193,426	1/4	208,392	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,640	1/2	178,713	1/2	193,739	1/2	208,702	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,954	3/4	179,026	3/4	194,052	3/4	209,011	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,268	11	179,339	11	194,365	11	209,319	11		11		11		11		11		11	
1/4	164,582	1/4	179,652	1/4	194,678	1/4	209,625	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,896	1/2	179,965	1/2	194,991	1/2	209,931	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,211	3/4	180,278	3/4	195,304	3/4	210,237	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 JS
CALCULATED: 09/17/2019 CL
REPRINTED: 10/10/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
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BARGE "HSM 3019"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 5/8"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,150	0	15,868	0	30,945	0	46,004	0	61,069	0	76,148	0	91,228	0	106,307	0	121,381	0	136,453
1/4	1,386	1/4	16,182	1/4	31,259	1/4	46,317	1/4	61,383	1/4	76,462	1/4	91,542	1/4	106,621	1/4	121,695	1/4	136,767
1/2	1,622	1/2	16,496	1/2	31,574	1/2	46,630	1/2	61,697	1/2	76,776	1/2	91,856	1/2	106,935	1/2	122,009	1/2	137,081
3/4	1,857	3/4	16,811	3/4	31,888	3/4	46,943	3/4	62,011	3/4	77,091	3/4	92,170	3/4	107,249	3/4	122,323	3/4	137,395
1	2,122	1	17,125	1	32,202	1	47,257	1	62,325	1	77,405	1	92,484	1	107,564	1	122,637	1	137,709
1/4	2,416	1/4	17,439	1/4	32,516	1/4	47,570	1/4	62,639	1/4	77,719	1/4	92,798	1/4	107,878	1/4	122,951	1/4	138,023
1/2	2,709	1/2	17,753	1/2	32,830	1/2	47,883	1/2	62,954	1/2	78,033	1/2	93,113	1/2	108,192	1/2	123,265	1/2	138,337
3/4	3,003	3/4	18,067	3/4	33,144	3/4	48,196	3/4	63,268	3/4	78,347	3/4	93,427	3/4	108,506	3/4	123,579	3/4	138,651
2	3,307	2	18,381	2	33,458	2	48,510	2	63,582	2	78,661	2	93,741	2	108,820	2	123,893	2	138,965
1/4	3,620	1/4	18,696	1/4	33,773	1/4	48,823	1/4	63,896	1/4	78,976	1/4	94,055	1/4	109,134	1/4	124,207	1/4	139,279
1/2	3,933	1/2	19,010	1/2	34,087	1/2	49,136	1/2	64,210	1/2	79,290	1/2	94,369	1/2	109,449	1/2	124,521	1/2	139,593
3/4	4,246	3/4	19,324	3/4	34,401	3/4	49,450	3/4	64,524	3/4	79,604	3/4	94,683	3/4	109,763	3/4	124,835	3/4	139,907
3	4,560	3	19,638	3	34,715	3	49,763	3	64,839	3	79,918	3	94,997	3	110,077	3	125,149	3	140,221
1/4	4,873	1/4	19,952	1/4	35,029	1/4	50,076	1/4	65,153	1/4	80,232	1/4	95,312	1/4	110,391	1/4	125,463	1/4	140,535
1/2	5,187	1/2	20,266	1/2	35,343	1/2	50,390	1/2	65,467	1/2	80,546	1/2	95,626	1/2	110,705	1/2	125,777	1/2	140,849
3/4	5,501	3/4	20,580	3/4	35,658	3/4	50,703	3/4	65,781	3/4	80,860	3/4	95,940	3/4	111,019	3/4	126,091	3/4	141,163
4	5,815	4	20,895	4	35,972	4	51,017	4	66,095	4	81,175	4	96,254	4	111,333	4	126,405	4	141,477
1/4	6,129	1/4	21,209	1/4	36,286	1/4	51,331	1/4	66,409	1/4	81,489	1/4	96,568	1/4	111,647	1/4	126,719	1/4	141,791
1/2	6,444	1/2	21,523	1/2	36,600	1/2	51,645	1/2	66,723	1/2	81,803	1/2	96,882	1/2	111,961	1/2	127,033	1/2	142,105
3/4	6,758	3/4	21,837	3/4	36,914	3/4	51,958	3/4	67,038	3/4	82,117	3/4	97,197	3/4	112,275	3/4	127,347	3/4	142,419
5	7,072	5	22,151	5	37,228	5	52,272	5	67,352	5	82,431	5	97,511	5	112,589	5	127,661	5	142,733
1/4	7,386	1/4	22,465	1/4	37,542	1/4	52,586	1/4	67,666	1/4	82,745	1/4	97,825	1/4	112,903	1/4	127,975	1/4	143,047
1/2	7,700	1/2	22,780	1/2	37,857	1/2	52,901	1/2	67,980	1/2	83,060	1/2	98,139	1/2	113,217	1/2	128,289	1/2	143,361
3/4	8,014	3/4	23,094	3/4	38,171	3/4	53,215	3/4	68,294	3/4	83,374	3/4	98,453	3/4	113,531	3/4	128,603	3/4	143,675
6	8,328	6	23,408	6	38,485	6	53,529	6	68,608	6	83,688	6	98,767	6	113,845	6	128,917	6	143,989
1/4	8,643	1/4	23,722	1/4	38,798	1/4	53,843	1/4	68,923	1/4	84,002	1/4	99,081	1/4	114,159	1/4	129,231	1/4	144,303
1/2	8,957	1/2	24,036	1/2	39,112	1/2	54,157	1/2	69,237	1/2	84,316	1/2	99,396	1/2	114,473	1/2	129,545	1/2	144,617
3/4	9,271	3/4	24,350	3/4	39,426	3/4	54,471	3/4	69,551	3/4	84,630	3/4	99,710	3/4	114,787	3/4	129,859	3/4	144,931
7	9,585	7	24,664	7	39,739	7	54,786	7	69,865	7	84,944	7	100,024	7	115,101	7	130,173	7	145,245
1/4	9,899	1/4	24,979	1/4	40,052	1/4	55,100	1/4	70,179	1/4	85,259	1/4	100,338	1/4	115,415	1/4	130,487	1/4	145,559
1/2	10,213	1/2	25,293	1/2	40,366	1/2	55,414	1/2	70,493	1/2	85,573	1/2	100,652	1/2	115,729	1/2	130,801	1/2	145,873
3/4	10,528	3/4	25,607	3/4	40,679	3/4	55,728	3/4	70,807	3/4	85,887	3/4	100,966	3/4	116,043	3/4	131,115	3/4	146,187
8	10,842	8	25,921	8	40,992	8	56,042	8	71,122	8	86,201	8	101,281	8	116,357	8	131,429	8	146,501
1/4	11,156	1/4	26,235	1/4	41,305	1/4	56,356	1/4	71,436	1/4	86,515	1/4	101,595	1/4	116,671	1/4	131,743	1/4	146,815
1/2	11,470	1/2	26,549	1/2	41,619	1/2	56,671	1/2	71,750	1/2	86,829	1/2	101,909	1/2	116,985	1/2	132,057	1/2	147,129
3/4	11,784	3/4	26,863	3/4	41,932	3/4	56,985	3/4	72,064	3/4	87,144	3/4	102,223	3/4	117,299	3/4	132,371	3/4	147,443
9	12,098	9	27,177	9	42,245	9	57,299	9	72,378	9	87,458	9	102,537	9	117,613	9	132,685	9	147,757
1/4	12,412	1/4	27,491	1/4	42,558	1/4	57,613	1/4	72,692	1/4	87,772	1/4	102,851	1/4	117,927	1/4	132,999	1/4	148,071
1/2	12,727	1/2	27,805	1/2	42,871	1/2	57,927	1/2	73,007	1/2	88,086	1/2	103,165	1/2	118,241	1/2	133,313	1/2	148,385
3/4	13,041	3/4	28,119	3/4	43,185	3/4	58,241	3/4	73,321	3/4	88,400	3/4	103,480	3/4	118,555	3/4	133,627	3/4	148,699
10	13,355	10	28,433	10	43,498	10	58,555	10	73,635	10	88,714	10	103,794	10	118,869	10	133,941	10	149,013
1/4	13,669	1/4	28,747	1/4	43,811	1/4	58,870	1/4	73,949	1/4	89,028	1/4	104,108	1/4	119,183	1/4	134,255	1/4	149,327
1/2	13,983	1/2	29,061	1/2	44,124	1/2	59,184	1/2	74,263	1/2	89,343	1/2	104,422	1/2	119,497	1/2	134,569	1/2	149,641
3/4	14,297	3/4	29,375	3/4	44,438	3/4	59,498	3/4	74,577	3/4	89,657	3/4	104,736	3/4	119,811	3/4	134,883	3/4	149,955
11	14,612	11	29,689	11	44,751	11	59,812	11	74,892	11	89,971	11	105,050	11	120,125	11	135,197	11	150,269
1/4	14,926	1/4	30,003	1/4	45,064	1/4	60,126	1/4	75,206	1/4	90,285	1/4	105,365	1/4	120,439	1/4	135,511	1/4	150,583
1/2	15,240	1/2	30,317	1/2	45,377	1/2	60,440	1/2	75,520	1/2	90,599	1/2	105,679	1/2	120,753	1/2	135,825	1/2	150,897
3/4	15,554	3/4	30,631	3/4	45,691	3/4	60,755	3/4	75,834	3/4	90,913	3/4	105,993	3/4	121,067	3/4	136,139	3/4	151,211

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

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

GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HSM 3019"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 5/8"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	151,525	0	166,597	0	181,657	0	196,678	0	211,586	0		0		0		0		0	
1/4	151,839	1/4	166,911	1/4	181,970	1/4	196,991	1/4	211,866	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	152,153	1/2	167,225	1/2	182,283	1/2	197,304	1/2	212,146	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	152,467	3/4	167,539	3/4	182,596	3/4	197,617	3/4	212,426	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	152,781	1	167,853	1	182,909	1	197,930	1	212,681	1	1	1	1	1	1	1	1	1	1
1/4	153,095	1/4	168,167	1/4	183,222	1/4	198,243	1/4	212,913	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	153,409	1/2	168,481	1/2	183,535	1/2	198,556	1/2	213,144	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	153,723	3/4	168,795	3/4	183,848	3/4	198,869	3/4	213,376	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	154,037	2	169,109	2	184,161	2	199,182	2	213,581	2	2	2	2	2	2	2	2	2	2
1/4	154,351	1/4	169,423	1/4	184,474	1/4	199,495	1/4	213,760	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,665	1/2	169,737	1/2	184,787	1/2	199,807	1/2	213,939	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,979	3/4	170,051	3/4	185,100	3/4	200,120	3/4	214,118	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	155,293	3	170,365	3	185,413	3	200,433	278	214,208	3	3	3	3	3	3	3	3	3	3
1/4	155,607	1/4	170,679	1/4	185,725	1/4	200,746	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,921	1/2	170,993	1/2	186,038	1/2	201,059	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,235	3/4	171,307	3/4	186,351	3/4	201,372	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	156,549	4	171,621	4	186,664	4	201,685	4		4	4	4	4	4	4	4	4	4	4
1/4	156,863	1/4	171,935	1/4	186,977	1/4	201,998	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,177	1/2	172,249	1/2	187,290	1/2	202,311	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,491	3/4	172,563	3/4	187,603	3/4	202,624	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	157,805	5	172,877	5	187,916	5	202,936	5		5	5	5	5	5	5	5	5	5	5
1/4	158,119	1/4	173,191	1/4	188,229	1/4	203,247	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,433	1/2	173,505	1/2	188,542	1/2	203,559	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,747	3/4	173,819	3/4	188,855	3/4	203,870	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	159,061	6	174,133	6	189,168	6	204,181	6		6	6	6	6	6	6	6	6	6	6
1/4	159,375	1/4	174,447	1/4	189,481	1/4	204,491	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,689	1/2	174,761	1/2	189,794	1/2	204,800	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,003	3/4	175,075	3/4	190,107	3/4	205,110	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	160,317	7	175,389	7	190,419	7	205,420	7		7	7	7	7	7	7	7	7	7	7
1/4	160,631	1/4	175,703	1/4	190,732	1/4	205,730	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,945	1/2	176,017	1/2	191,045	1/2	206,040	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,259	3/4	176,331	3/4	191,358	3/4	206,350	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	161,573	8	176,645	8	191,671	8	206,660	8		8	8	8	8	8	8	8	8	8	8
1/4	161,887	1/4	176,959	1/4	191,984	1/4	206,970	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,201	1/2	177,273	1/2	192,297	1/2	207,280	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,515	3/4	177,587	3/4	192,610	3/4	207,590	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	162,829	9	177,900	9	192,923	9	207,900	9		9	9	9	9	9	9	9	9	9	9
1/4	163,143	1/4	178,214	1/4	193,236	1/4	208,210	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,457	1/2	178,527	1/2	193,549	1/2	208,520	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,771	3/4	178,841	3/4	193,862	3/4	208,829	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	164,085	10	179,154	10	194,175	10	209,139	10		10	10	10	10	10	10	10	10	10	10
1/4	164,399	1/4	179,467	1/4	194,488	1/4	209,449	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,713	1/2	179,780	1/2	194,801	1/2	209,758	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,027	3/4	180,093	3/4	195,113	3/4	210,068	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	165,341	11	180,406	11	195,426	11	210,375	11		11	11	11	11	11	11	11	11	11	11
1/4	165,655	1/4	180,719	1/4	195,739	1/4	210,681	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,969	1/2	181,032	1/2	196,052	1/2	210,987	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,283	3/4	181,344	3/4	196,365	3/4	211,293	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: 09/16/2019 JS
CALCULATED: 09/17/2019 CL
REPRINTED: 10/10/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3019"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 3/8"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,145	0	15,788	0	30,776	0	45,530	0	60,091	0	75,000	0	89,966	0	104,943	0	119,910	0	134,874
1/4	1,380	1/4	16,101	1/4	31,089	1/4	45,832	1/4	60,403	1/4	75,310	1/4	90,278	1/4	105,255	1/4	120,222	1/4	135,186
1/2	1,614	1/2	16,413	1/2	31,401	1/2	46,133	1/2	60,715	1/2	75,620	1/2	90,590	1/2	105,568	1/2	120,534	1/2	135,497
3/4	1,849	3/4	16,725	3/4	31,713	3/4	46,435	3/4	61,027	3/4	75,931	3/4	90,902	3/4	105,880	3/4	120,845	3/4	135,809
1	2,112	1	17,038	1	32,025	1	46,737	1	61,339	1	76,241	1	91,213	1	106,192	1	121,157	1	136,121
1/4	2,405	1/4	17,350	1/4	32,338	1/4	47,039	1/4	61,651	1/4	76,551	1/4	91,525	1/4	106,504	1/4	121,469	1/4	136,433
1/2	2,697	1/2	17,662	1/2	32,650	1/2	47,341	1/2	61,963	1/2	76,861	1/2	91,837	1/2	106,816	1/2	121,781	1/2	136,744
3/4	2,990	3/4	17,974	3/4	32,962	3/4	47,643	3/4	62,275	3/4	77,172	3/4	92,149	3/4	107,128	3/4	122,092	3/4	137,056
2	3,292	2	18,287	2	33,275	2	47,945	2	62,586	2	77,482	2	92,461	2	107,440	2	122,404	2	137,368
1/4	3,604	1/4	18,599	1/4	33,587	1/4	48,248	1/4	62,897	1/4	77,794	1/4	92,773	1/4	107,752	1/4	122,716	1/4	137,680
1/2	3,916	1/2	18,911	1/2	33,899	1/2	48,550	1/2	63,209	1/2	78,105	1/2	93,085	1/2	108,063	1/2	123,028	1/2	137,991
3/4	4,227	3/4	19,224	3/4	34,211	3/4	48,853	3/4	63,520	3/4	78,416	3/4	93,397	3/4	108,375	3/4	123,339	3/4	138,303
3	4,539	3	19,536	3	34,523	3	49,155	3	63,830	3	78,728	3	93,709	3	108,687	3	123,651	3	138,615
1/4	4,852	1/4	19,848	1/4	34,835	1/4	49,457	1/4	64,141	1/4	79,040	1/4	94,021	1/4	108,999	1/4	123,963	1/4	138,927
1/2	5,164	1/2	20,160	1/2	35,147	1/2	49,760	1/2	64,451	1/2	79,352	1/2	94,333	1/2	109,311	1/2	124,275	1/2	139,238
3/4	5,477	3/4	20,473	3/4	35,459	3/4	50,062	3/4	64,761	3/4	79,664	3/4	94,644	3/4	109,623	3/4	124,586	3/4	139,550
4	5,789	4	20,785	4	35,769	4	50,365	4	65,071	4	79,977	4	94,956	4	109,934	4	124,898	4	139,862
1/4	6,102	1/4	21,097	1/4	36,077	1/4	50,667	1/4	65,382	1/4	80,289	1/4	95,268	1/4	110,246	1/4	125,210	1/4	140,174
1/2	6,414	1/2	21,410	1/2	36,385	1/2	50,970	1/2	65,692	1/2	80,601	1/2	95,580	1/2	110,558	1/2	125,522	1/2	140,485
3/4	6,727	3/4	21,722	3/4	36,693	3/4	51,272	3/4	66,002	3/4	80,913	3/4	95,892	3/4	110,870	3/4	125,833	3/4	140,797
5	7,039	5	22,034	5	37,000	5	51,574	5	66,312	5	81,226	5	96,204	5	111,181	5	126,145	5	141,108
1/4	7,352	1/4	22,346	1/4	37,305	1/4	51,877	1/4	66,623	1/4	81,538	1/4	96,516	1/4	111,493	1/4	126,457	1/4	141,420
1/2	7,664	1/2	22,659	1/2	37,609	1/2	52,179	1/2	66,933	1/2	81,850	1/2	96,828	1/2	111,805	1/2	126,769	1/2	141,731
3/4	7,977	3/4	22,971	3/4	37,914	3/4	52,482	3/4	67,243	3/4	82,162	3/4	97,140	3/4	112,117	3/4	127,080	3/4	142,043
6	8,289	6	23,283	6	38,219	6	52,784	6	67,553	6	82,474	6	97,452	6	112,428	6	127,392	6	142,352
1/4	8,602	1/4	23,596	1/4	38,524	1/4	53,087	1/4	67,864	1/4	82,787	1/4	97,764	1/4	112,740	1/4	127,704	1/4	142,659
1/2	8,915	1/2	23,908	1/2	38,829	1/2	53,389	1/2	68,174	1/2	83,099	1/2	98,076	1/2	113,052	1/2	128,016	1/2	142,966
3/4	9,227	3/4	24,220	3/4	39,134	3/4	53,691	3/4	68,484	3/4	83,411	3/4	98,388	3/4	113,364	3/4	128,327	3/4	143,273
7	9,540	7	24,533	7	39,439	7	53,994	7	68,795	7	83,723	7	98,700	7	113,675	7	128,639	7	143,574
1/4	9,853	1/4	24,845	1/4	39,744	1/4	54,296	1/4	69,105	1/4	84,036	1/4	99,012	1/4	113,987	1/4	128,951	1/4	143,869
1/2	10,166	1/2	25,157	1/2	40,049	1/2	54,599	1/2	69,415	1/2	84,348	1/2	99,324	1/2	114,299	1/2	129,263	1/2	144,163
3/4	10,478	3/4	25,469	3/4	40,354	3/4	54,901	3/4	69,725	3/4	84,660	3/4	99,636	3/4	114,610	3/4	129,574	3/4	144,458
8	10,791	8	25,782	8	40,659	8	55,203	8	70,036	8	84,972	8	99,949	8	114,922	8	129,886	8	144,744
1/4	11,103	1/4	26,094	1/4	40,964	1/4	55,506	1/4	70,346	1/4	85,285	1/4	100,261	1/4	115,234	1/4	130,198	1/4	145,023
1/2	11,416	1/2	26,406	1/2	41,269	1/2	55,808	1/2	70,656	1/2	85,597	1/2	100,573	1/2	115,546	1/2	130,510	1/2	145,302
3/4	11,729	3/4	26,718	3/4	41,574	3/4	56,111	3/4	70,966	3/4	85,909	3/4	100,885	3/4	115,857	3/4	130,821	3/4	145,580
9	12,041	9	27,030	9	41,879	9	56,414	9	71,277	9	86,221	9	101,197	9	116,169	9	131,133	9	145,851
1/4	12,353	1/4	27,343	1/4	42,184	1/4	56,718	1/4	71,587	1/4	86,533	1/4	101,509	1/4	116,481	1/4	131,445	1/4	146,114
1/2	12,666	1/2	27,655	1/2	42,489	1/2	57,022	1/2	71,897	1/2	86,846	1/2	101,822	1/2	116,793	1/2	131,756	1/2	146,377
3/4	12,978	3/4	27,967	3/4	42,794	3/4	57,326	3/4	72,207	3/4	87,158	3/4	102,134	3/4	117,104	3/4	132,068	3/4	146,640
10	13,290	10	28,279	10	43,099	10	57,631	10	72,518	10	87,470	10	102,446	10	117,416	10	132,380	10	146,895
1/4	13,602	1/4	28,591	1/4	43,404	1/4	57,936	1/4	72,828	1/4	87,782	1/4	102,758	1/4	117,728	1/4	132,692	1/4	147,142
1/2	13,915	1/2	28,903	1/2	43,709	1/2	58,242	1/2	73,138	1/2	88,094	1/2	103,070	1/2	118,040	1/2	133,003	1/2	147,389
3/4	14,227	3/4	29,215	3/4	44,014	3/4	58,548	3/4	73,448	3/4	88,406	3/4	103,382	3/4	118,351	3/4	133,315	3/4	147,636
11	14,539	11	29,527	11	44,318	11	58,855	11	73,759	11	88,718	11	103,695	11	118,663	11	133,627	11	147,875
1/4	14,852	1/4	29,840	1/4	44,621	1/4	59,164	1/4	74,069	1/4	89,030	1/4	104,007	1/4	118,975	1/4	133,939	1/4	148,106
1/2	15,164	1/2	30,152	1/2	44,924	1/2	59,472	1/2	74,379	1/2	89,342	1/2	104,319	1/2	119,287	1/2	134,250	1/2	148,337
3/4	15,476	3/4	30,464	3/4	45,228	3/4	59,781	3/4	74,689	3/4	89,654	3/4	104,631	3/4	119,598	3/4	134,562	3/4	148,569

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HSM 3019"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 3/8"

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	148,794	0	159,173	0	169,533	0	179,863	0	190,168	0		0		0		0		0	
1/4	149,013	1/4	159,389	1/4	169,748	1/4	180,079	1/4	190,362	1/4		1/4		1/4		1/4		1/4	
1/2	149,233	1/2	159,605	1/2	169,963	1/2	180,294	1/2	190,555	1/2		1/2		1/2		1/2		1/2	
3/4	149,452	3/4	159,821	3/4	170,178	3/4	180,509	3/4	190,748	3/4		3/4		3/4		3/4		3/4	
1	149,670	1	160,037	1	170,393	1	180,724	1	190,924	1		1		1		1		1	
1/4	149,886	1/4	160,253	1/4	170,609	1/4	180,939	1/4	191,084	1/4		1/4		1/4		1/4		1/4	
1/2	150,102	1/2	160,469	1/2	170,824	1/2	181,155	1/2	191,243	1/2		1/2		1/2		1/2		1/2	
3/4	150,318	3/4	160,685	3/4	171,039	3/4	181,370	3/4	191,403	3/4		3/4		3/4		3/4		3/4	
2	150,534	2	160,901	2	171,254	2	181,585	2	191,545	2		2		2		2		2	
1/4	150,750	1/4	161,117	1/4	171,470	1/4	181,800	1/4	191,668	1/4		1/4		1/4		1/4		1/4	
1/2	150,966	1/2	161,333	1/2	171,685	1/2	182,016	1/2	191,792	1/2		1/2		1/2		1/2		1/2	
3/4	151,182	3/4	161,549	3/4	171,900	3/4	182,231	3/4	191,915	3/4		3/4		3/4		3/4		3/4	
3	151,398	3	161,765	3	172,115	3	182,446	278	191,977	3		3		3		3		3	
1/4	151,614	1/4	161,981	1/4	172,330	1/4	182,661	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,830	1/2	162,197	1/2	172,546	1/2	182,876	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,046	3/4	162,413	3/4	172,761	3/4	183,092	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,262	4	162,629	4	172,976	4	183,307	4		4		4		4		4		4	
1/4	152,478	1/4	162,845	1/4	173,191	1/4	183,522	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,694	1/2	163,061	1/2	173,407	1/2	183,737	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,910	3/4	163,277	3/4	173,622	3/4	183,953	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,126	5	163,493	5	173,837	5	184,168	5		5		5		5		5		5	
1/4	153,342	1/4	163,709	1/4	174,052	1/4	184,383	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,558	1/2	163,925	1/2	174,268	1/2	184,598	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,774	3/4	164,141	3/4	174,483	3/4	184,813	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,990	6	164,357	6	174,698	6	185,029	6		6		6		6		6		6	
1/4	154,206	1/4	164,573	1/4	174,913	1/4	185,244	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,422	1/2	164,789	1/2	175,128	1/2	185,459	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,638	3/4	165,005	3/4	175,344	3/4	185,674	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,854	7	165,221	7	175,559	7	185,890	7		7		7		7		7		7	
1/4	155,070	1/4	165,437	1/4	175,774	1/4	186,105	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,286	1/2	165,653	1/2	175,989	1/2	186,320	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,502	3/4	165,869	3/4	176,205	3/4	186,535	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,718	8	166,085	8	176,420	8	186,751	8		8		8		8		8		8	
1/4	155,934	1/4	166,301	1/4	176,635	1/4	186,966	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,150	1/2	166,517	1/2	176,850	1/2	187,181	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,366	3/4	166,733	3/4	177,065	3/4	187,397	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,582	9	166,949	9	177,281	9	187,612	9		9		9		9		9		9	
1/4	156,798	1/4	167,164	1/4	177,496	1/4	187,827	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,014	1/2	167,380	1/2	177,711	1/2	188,043	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,229	3/4	167,595	3/4	177,926	3/4	188,258	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,445	10	167,811	10	178,142	10	188,473	10		10		10		10		10		10	
1/4	157,661	1/4	168,026	1/4	178,357	1/4	188,688	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,877	1/2	168,241	1/2	178,572	1/2	188,903	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,093	3/4	168,456	3/4	178,787	3/4	189,118	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,309	11	168,672	11	179,002	11	189,331	11		11		11		11		11		11	
1/4	158,525	1/4	168,887	1/4	179,218	1/4	189,543	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,741	1/2	169,102	1/2	179,433	1/2	189,755	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,957	3/4	169,317	3/4	179,648	3/4	189,966	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 JS
CALCULATED: 09/17/2019 CL
REPRINTED: 10/10/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

PRECISION MEASUREMENT
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BARGE "HSM 3019"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	1,147	0	15,816	0	30,846	0	45,860	0	60,889	0	75,920	0	90,950	0	105,981	0	120,994	0	136,005
1/4	1,381	1/4	16,129	1/4	31,159	1/4	46,173	1/4	61,202	1/4	76,233	1/4	91,263	1/4	106,294	1/4	121,307	1/4	136,318
1/2	1,616	1/2	16,442	1/2	31,472	1/2	46,486	1/2	61,515	1/2	76,546	1/2	91,576	1/2	106,607	1/2	121,620	1/2	136,630
3/4	1,851	3/4	16,756	3/4	31,786	3/4	46,799	3/4	61,829	3/4	76,859	3/4	91,890	3/4	106,920	3/4	121,932	3/4	136,943
1	2,115	1	17,069	1	32,099	1	47,112	1	62,142	1	77,172	1	92,203	1	107,233	1	122,245	1	137,256
1/4	2,408	1/4	17,382	1/4	32,412	1/4	47,425	1/4	62,455	1/4	77,485	1/4	92,516	1/4	107,546	1/4	122,558	1/4	137,568
1/2	2,700	1/2	17,695	1/2	32,725	1/2	47,738	1/2	62,768	1/2	77,798	1/2	92,829	1/2	107,859	1/2	122,871	1/2	137,881
3/4	2,993	3/4	18,008	3/4	33,038	3/4	48,051	3/4	63,081	3/4	78,112	3/4	93,142	3/4	108,172	3/4	123,183	3/4	138,194
2	3,296	2	18,321	2	33,351	2	48,364	2	63,394	2	78,425	2	93,455	2	108,485	2	123,496	2	138,507
1/4	3,608	1/4	18,634	1/4	33,664	1/4	48,677	1/4	63,707	1/4	78,738	1/4	93,768	1/4	108,798	1/4	123,809	1/4	138,819
1/2	3,920	1/2	18,947	1/2	33,977	1/2	48,990	1/2	64,020	1/2	79,051	1/2	94,081	1/2	109,111	1/2	124,121	1/2	139,132
3/4	4,232	3/4	19,261	3/4	34,291	3/4	49,303	3/4	64,334	3/4	79,364	3/4	94,395	3/4	109,423	3/4	124,434	3/4	139,445
3	4,545	3	19,574	3	34,604	3	49,616	3	64,647	3	79,677	3	94,708	3	109,736	3	124,747	3	139,757
1/4	4,857	1/4	19,887	1/4	34,917	1/4	49,929	1/4	64,960	1/4	79,990	1/4	95,021	1/4	110,049	1/4	125,060	1/4	140,070
1/2	5,170	1/2	20,200	1/2	35,229	1/2	50,243	1/2	65,273	1/2	80,304	1/2	95,334	1/2	110,362	1/2	125,372	1/2	140,383
3/4	5,483	3/4	20,513	3/4	35,542	3/4	50,556	3/4	65,586	3/4	80,617	3/4	95,647	3/4	110,675	3/4	125,685	3/4	140,696
4	5,796	4	20,826	4	35,855	4	50,869	4	65,899	4	80,930	4	95,960	4	110,987	4	125,998	4	141,008
1/4	6,109	1/4	21,139	1/4	36,168	1/4	51,182	1/4	66,212	1/4	81,243	1/4	96,273	1/4	111,300	1/4	126,311	1/4	141,321
1/2	6,422	1/2	21,452	1/2	36,480	1/2	51,495	1/2	66,526	1/2	81,556	1/2	96,587	1/2	111,613	1/2	126,623	1/2	141,634
3/4	6,736	3/4	21,766	3/4	36,793	3/4	51,808	3/4	66,839	3/4	81,869	3/4	96,900	3/4	111,925	3/4	126,936	3/4	141,946
5	7,049	5	22,079	5	37,106	5	52,121	5	67,152	5	82,182	5	97,213	5	112,238	5	127,249	5	142,259
1/4	7,362	1/4	22,392	1/4	37,418	1/4	52,434	1/4	67,465	1/4	82,495	1/4	97,526	1/4	112,551	1/4	127,561	1/4	142,571
1/2	7,675	1/2	22,705	1/2	37,731	1/2	52,748	1/2	67,778	1/2	82,809	1/2	97,839	1/2	112,864	1/2	127,874	1/2	142,884
3/4	7,988	3/4	23,018	3/4	38,044	3/4	53,061	3/4	68,091	3/4	83,122	3/4	98,152	3/4	113,176	3/4	128,187	3/4	143,196
6	8,301	6	23,331	6	38,356	6	53,374	6	68,404	6	83,435	6	98,465	6	113,489	6	128,500	6	143,506
1/4	8,614	1/4	23,644	1/4	38,669	1/4	53,687	1/4	68,718	1/4	83,748	1/4	98,779	1/4	113,802	1/4	128,812	1/4	143,814
1/2	8,927	1/2	23,957	1/2	38,981	1/2	54,000	1/2	69,031	1/2	84,061	1/2	99,092	1/2	114,115	1/2	129,125	1/2	144,122
3/4	9,241	3/4	24,271	3/4	39,294	3/4	54,313	3/4	69,344	3/4	84,374	3/4	99,405	3/4	114,427	3/4	129,438	3/4	144,430
7	9,554	7	24,584	7	39,607	7	54,626	7	69,657	7	84,687	7	99,718	7	114,740	7	129,750	7	144,732
1/4	9,867	1/4	24,897	1/4	39,919	1/4	54,940	1/4	69,970	1/4	85,001	1/4	100,031	1/4	115,053	1/4	130,063	1/4	145,028
1/2	10,180	1/2	25,210	1/2	40,232	1/2	55,253	1/2	70,283	1/2	85,314	1/2	100,344	1/2	115,365	1/2	130,376	1/2	145,323
3/4	10,493	3/4	25,523	3/4	40,545	3/4	55,566	3/4	70,596	3/4	85,627	3/4	100,657	3/4	115,678	3/4	130,689	3/4	145,619
8	10,806	8	25,836	8	40,857	8	55,879	8	70,909	8	85,940	8	100,970	8	115,991	8	131,001	8	145,906
1/4	11,119	1/4	26,149	1/4	41,170	1/4	56,192	1/4	71,223	1/4	86,253	1/4	101,284	1/4	116,304	1/4	131,314	1/4	146,186
1/2	11,432	1/2	26,462	1/2	41,483	1/2	56,505	1/2	71,536	1/2	86,566	1/2	101,597	1/2	116,616	1/2	131,627	1/2	146,465
3/4	11,746	3/4	26,776	3/4	41,795	3/4	56,818	3/4	71,849	3/4	86,879	3/4	101,910	3/4	116,929	3/4	131,939	3/4	146,745
9	12,059	9	27,089	9	42,108	9	57,131	9	72,162	9	87,193	9	102,223	9	117,242	9	132,252	9	147,016
1/4	12,372	1/4	27,402	1/4	42,420	1/4	57,445	1/4	72,475	1/4	87,506	1/4	102,536	1/4	117,554	1/4	132,565	1/4	147,280
1/2	12,685	1/2	27,715	1/2	42,733	1/2	57,758	1/2	72,788	1/2	87,819	1/2	102,849	1/2	117,867	1/2	132,878	1/2	147,543
3/4	12,998	3/4	28,028	3/4	43,046	3/4	58,071	3/4	73,101	3/4	88,132	3/4	103,162	3/4	118,180	3/4	133,190	3/4	147,807
10	13,311	10	28,341	10	43,358	10	58,384	10	73,415	10	88,445	10	103,476	10	118,493	10	133,503	10	148,062
1/4	13,624	1/4	28,654	1/4	43,671	1/4	58,697	1/4	73,728	1/4	88,758	1/4	103,789	1/4	118,805	1/4	133,816	1/4	148,310
1/2	13,937	1/2	28,967	1/2	43,984	1/2	59,010	1/2	74,041	1/2	89,071	1/2	104,102	1/2	119,118	1/2	134,128	1/2	148,557
3/4	14,251	3/4	29,281	3/4	44,296	3/4	59,323	3/4	74,354	3/4	89,384	3/4	104,415	3/4	119,431	3/4	134,441	3/4	148,805
11	14,564	11	29,594	11	44,609	11	59,637	11	74,667	11	89,698	11	104,728	11	119,743	11	134,754	11	149,044
1/4	14,877	1/4	29,907	1/4	44,922	1/4	59,950	1/4	74,980	1/4	90,011	1/4	105,041	1/4	120,056	1/4	135,067	1/4	149,276
1/2	15,190	1/2	30,220	1/2	45,235	1/2	60,263	1/2	75,293	1/2	90,324	1/2	105,354	1/2	120,369	1/2	135,379	1/2	149,507
3/4	15,503	3/4	30,533	3/4	45,547	3/4	60,576	3/4	75,606	3/4	90,637	3/4	105,668	3/4	120,682	3/4	135,692	3/4	149,738

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.

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

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

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "HSM 3019"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/8"

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	149,964	0	160,353	0	170,722	0	181,062	0	191,377	0		0		0		0		0	
1/4	150,184	1/4	160,569	1/4	170,937	1/4	181,278	1/4	191,570	1/4		1/4		1/4		1/4		1/4	
1/2	150,403	1/2	160,785	1/2	171,153	1/2	181,493	1/2	191,763	1/2		1/2		1/2		1/2		1/2	
3/4	150,623	3/4	161,002	3/4	171,368	3/4	181,708	3/4	191,957	3/4		3/4		3/4		3/4		3/4	
1	150,841	1	161,218	1	171,584	1	181,924	1	192,133	1		1		1		1		1	
1/4	151,057	1/4	161,434	1/4	171,799	1/4	182,139	1/4	192,293	1/4		1/4		1/4		1/4		1/4	
1/2	151,273	1/2	161,650	1/2	172,014	1/2	182,355	1/2	192,453	1/2		1/2		1/2		1/2		1/2	
3/4	151,490	3/4	161,866	3/4	172,230	3/4	182,570	3/4	192,612	3/4		3/4		3/4		3/4		3/4	
2	151,706	2	162,083	2	172,445	2	182,786	2	192,754	2		2		2		2		2	
1/4	151,922	1/4	162,299	1/4	172,661	1/4	183,001	1/4	192,878	1/4		1/4		1/4		1/4		1/4	
1/2	152,138	1/2	162,515	1/2	172,876	1/2	183,216	1/2	193,002	1/2		1/2		1/2		1/2		1/2	
3/4	152,354	3/4	162,731	3/4	173,092	3/4	183,432	3/4	193,125	3/4		3/4		3/4		3/4		3/4	
3	152,570	3	162,947	3	173,307	3	183,647	278	193,187	3		3		3		3		3	
1/4	152,787	1/4	163,163	1/4	173,522	1/4	183,863	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,003	1/2	163,380	1/2	173,738	1/2	184,078	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,219	3/4	163,596	3/4	173,953	3/4	184,294	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,435	4	163,812	4	174,169	4	184,509	4		4		4		4		4		4	
1/4	153,651	1/4	164,028	1/4	174,384	1/4	184,724	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,868	1/2	164,244	1/2	174,600	1/2	184,940	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,084	3/4	164,461	3/4	174,815	3/4	185,155	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,300	5	164,677	5	175,030	5	185,371	5		5		5		5		5		5	
1/4	154,516	1/4	164,893	1/4	175,246	1/4	185,586	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,732	1/2	165,109	1/2	175,461	1/2	185,801	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,949	3/4	165,325	3/4	175,677	3/4	186,017	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,165	6	165,542	6	175,892	6	186,232	6		6		6		6		6		6	
1/4	155,381	1/4	165,758	1/4	176,107	1/4	186,448	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,597	1/2	165,974	1/2	176,323	1/2	186,663	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,813	3/4	166,190	3/4	176,538	3/4	186,879	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,029	7	166,406	7	176,754	7	187,094	7		7		7		7		7		7	
1/4	156,246	1/4	166,622	1/4	176,969	1/4	187,310	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,462	1/2	166,839	1/2	177,185	1/2	187,525	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,678	3/4	167,055	3/4	177,400	3/4	187,740	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,894	8	167,271	8	177,615	8	187,956	8		8		8		8		8		8	
1/4	157,110	1/4	167,487	1/4	177,831	1/4	188,172	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,327	1/2	167,703	1/2	178,046	1/2	188,387	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,543	3/4	167,920	3/4	178,262	3/4	188,603	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,759	9	168,136	9	178,477	9	188,818	9		9		9		9		9		9	
1/4	157,975	1/4	168,351	1/4	178,693	1/4	189,034	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,191	1/2	168,567	1/2	178,908	1/2	189,249	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,407	3/4	168,783	3/4	179,123	3/4	189,464	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,624	10	168,999	10	179,339	10	189,680	10		10		10		10		10		10	
1/4	158,840	1/4	169,214	1/4	179,554	1/4	189,895	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,056	1/2	169,429	1/2	179,770	1/2	190,110	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,272	3/4	169,645	3/4	179,985	3/4	190,325	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,488	11	169,860	11	180,200	11	190,539	11		11		11		11		11		11	
1/4	159,705	1/4	170,076	1/4	180,416	1/4	190,751	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,921	1/2	170,291	1/2	180,631	1/2	190,962	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,137	3/4	170,506	3/4	180,847	3/4	191,174	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/16/2019 JS
CALCULATED: 09/17/2019 CL
REPRINTED: 10/10/2019 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2019

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