



BARGE "HSM 3027"

ULLAGE TRIM TABLE "MMC" GAUGE

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

November 11, 2019

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

<http://www.pmacorp.net>



BARGE "HSM 3027"

ULLAGE TRIM TABLE 8" GAUGE HATCH

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

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BARGE "HSM 3027"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,126	0	64,098	0	49,168	0	34,140	0	19,111	0	4,975	0		0		0		0	
1/4	78,813	1/4	63,786	1/4	48,856	1/4	33,827	1/4	18,798	1/4	4,705	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,500	1/2	63,474	1/2	48,543	1/2	33,514	1/2	18,484	1/2	4,434	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,186	3/4	63,162	3/4	48,231	3/4	33,201	3/4	18,171	3/4	4,163	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	77,873	1	62,851	1	47,918	1	32,888	1	17,859	1	3,897	1	1	1	1	1	1	1	1
1/4	77,560	1/4	62,540	1/4	47,605	1/4	32,575	1/4	17,547	1/4	3,630	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,247	1/2	62,229	1/2	47,291	1/2	32,262	1/2	17,235	1/2	3,363	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,934	3/4	61,918	3/4	46,978	3/4	31,949	3/4	16,923	3/4	3,097	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	76,621	2	61,607	2	46,665	2	31,635	2	16,613	2	2,835	2	2	2	2	2	2	2	2
1/4	76,308	1/4	61,297	1/4	46,352	1/4	31,322	1/4	16,304	1/4	2,573	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,995	1/2	60,986	1/2	46,039	1/2	31,009	1/2	15,995	1/2	2,311	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,681	3/4	60,675	3/4	45,726	3/4	30,696	3/4	15,686	3/4	2,049	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	75,368	3	60,364	3	45,413	3	30,383	3	15,380	3	1,810	3	3	3	3	3	3	3	3
1/4	75,055	1/4	60,054	1/4	45,100	1/4	30,070	1/4	15,075	1/4	1,571	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,742	1/2	59,743	1/2	44,786	1/2	29,757	1/2	14,769	1/2	1,332	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,429	3/4	59,432	3/4	44,473	3/4	29,444	3/4	14,464	3/4	1,093	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	74,116	4	59,121	4	44,160	4	29,130	4	14,162	4	916	4	4	4	4	4	4	4	4
1/4	73,803	1/4	58,810	1/4	43,847	1/4	28,817	1/4	13,861	1/4	739	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,490	1/2	58,500	1/2	43,534	1/2	28,504	1/2	13,559	1/2	562	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,176	3/4	58,189	3/4	43,221	3/4	28,191	3/4	13,258	3/4	385	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	72,863	5	57,878	5	42,908	5	27,878	5	12,960	5		5	5	5	5	5	5	5	5
1/4	72,550	1/4	57,567	1/4	42,595	1/4	27,565	1/4	12,662	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,237	1/2	57,257	1/2	42,282	1/2	27,252	1/2	12,365	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,924	3/4	56,946	3/4	41,968	3/4	26,939	3/4	12,067	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	71,611	6	56,635	6	41,655	6	26,626	6	11,773	6	6	6	6	6	6	6	6	6	6
1/4	71,298	1/4	56,324	1/4	41,342	1/4	26,312	1/4	11,479	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,984	1/2	56,014	1/2	41,029	1/2	25,999	1/2	11,185	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,671	3/4	55,703	3/4	40,716	3/4	25,686	3/4	10,892	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	70,358	7	55,392	7	40,403	7	25,373	7	10,602	7	7	7	7	7	7	7	7	7	7
1/4	70,045	1/4	55,081	1/4	40,090	1/4	25,060	1/4	10,312	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,732	1/2	54,771	1/2	39,777	1/2	24,747	1/2	10,022	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,419	3/4	54,460	3/4	39,463	3/4	24,434	3/4	9,732	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	69,106	8	54,149	8	39,150	8	24,121	8	9,445	8	8	8	8	8	8	8	8	8	8
1/4	68,793	1/4	53,838	1/4	38,837	1/4	23,807	1/4	9,159	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,479	1/2	53,528	1/2	38,524	1/2	23,494	1/2	8,873	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,166	3/4	53,217	3/4	38,211	3/4	23,181	3/4	8,587	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	67,853	9	52,906	9	37,898	9	22,868	9	8,305	9		9	9	9	9	9	9	9	9
1/4	67,540	1/4	52,595	1/4	37,585	1/4	22,555	1/4	8,022	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,227	1/2	52,284	1/2	37,272	1/2	22,242	1/2	7,740	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,914	3/4	51,973	3/4	36,958	3/4	21,929	3/4	7,458	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	66,601	10	51,661	10	36,645	10	21,616	10	7,180	10	10	10	10	10	10	10	10	10	10
1/4	66,288	1/4	51,350	1/4	36,332	1/4	21,303	1/4	6,901	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	65,974	1/2	51,039	1/2	36,019	1/2	20,989	1/2	6,623	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	65,661	3/4	50,727	3/4	35,706	3/4	20,676	3/4	6,344	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	65,348	11	50,415	11	35,393	11	20,363	11	6,070	11	11	11	11	11	11	11	11	11	11
1/4	65,035	1/4	50,104	1/4	35,080	1/4	20,050	1/4	5,795	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	64,722	1/2	49,792	1/2	34,767	1/2	19,737	1/2	5,520	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64,409	3/4	49,480	3/4	34,454	3/4	19,424	3/4	5,246	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: 11/11/2019 CL
CALCULATED: 11/11/2019 CL
PRINTED: 11/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3027"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	79,838	0	64,810	0	49,789	0	34,762	0	19,734	0	5,520	0		0		0		0	
1/4	79,525	1/4	64,497	1/4	49,476	1/4	34,449	1/4	19,421	1/4	5,245	1/4		1/4		1/4		1/4	
1/2	79,212	1/2	64,184	1/2	49,163	1/2	34,136	1/2	19,108	1/2	4,975	1/2		1/2		1/2		1/2	
3/4	78,899	3/4	63,871	3/4	48,850	3/4	33,823	3/4	18,795	3/4	4,704	3/4		3/4		3/4		3/4	
1	78,586	1	63,558	1	48,537	1	33,510	1	18,482	1	4,433	1		1		1		1	
1/4	78,273	1/4	63,245	1/4	48,224	1/4	33,196	1/4	18,169	1/4	4,163	1/4		1/4		1/4		1/4	
1/2	77,960	1/2	62,932	1/2	47,911	1/2	32,883	1/2	17,857	1/2	3,896	1/2		1/2		1/2		1/2	
3/4	77,647	3/4	62,619	3/4	47,598	3/4	32,570	3/4	17,545	3/4	3,630	3/4		3/4		3/4		3/4	
2	77,333	2	62,306	2	47,285	2	32,257	2	17,233	2	3,363	2		2		2		2	
1/4	77,020	1/4	61,993	1/4	46,972	1/4	31,944	1/4	16,920	1/4	3,096	1/4		1/4		1/4		1/4	
1/2	76,707	1/2	61,680	1/2	46,659	1/2	31,631	1/2	16,611	1/2	2,834	1/2		1/2		1/2		1/2	
3/4	76,394	3/4	61,367	3/4	46,346	3/4	31,318	3/4	16,302	3/4	2,572	3/4		3/4		3/4		3/4	
3	76,081	3	61,054	3	46,033	3	31,005	3	15,993	3	2,310	3		3		3		3	
1/4	75,768	1/4	60,741	1/4	45,719	1/4	30,692	1/4	15,684	1/4	2,048	1/4		1/4		1/4		1/4	
1/2	75,455	1/2	60,428	1/2	45,406	1/2	30,379	1/2	15,378	1/2	1,810	1/2		1/2		1/2		1/2	
3/4	75,142	3/4	60,115	3/4	45,093	3/4	30,066	3/4	15,073	3/4	1,571	3/4		3/4		3/4		3/4	
4	74,829	4	59,802	4	44,780	4	29,753	4	14,767	4	1,332	4		4		4		4	
1/4	74,516	1/4	59,489	1/4	44,467	1/4	29,440	1/4	14,462	1/4	1,093	1/4		1/4		1/4		1/4	
1/2	74,203	1/2	59,177	1/2	44,154	1/2	29,126	1/2	14,161	1/2	916	1/2		1/2		1/2		1/2	
3/4	73,890	3/4	58,864	3/4	43,841	3/4	28,813	3/4	13,859	3/4	739	3/4		3/4		3/4		3/4	
5	73,576	5	58,551	5	43,528	5	28,500	5	13,558	5	562	5		5		5		5	
1/4	73,263	1/4	58,238	1/4	43,215	1/4	28,187	1/4	13,256	1/4	385	1/4		1/4		1/4		1/4	
1/2	72,950	1/2	57,925	1/2	42,902	1/2	27,874	1/2	12,958	1/2		1/2		1/2		1/2		1/2	
3/4	72,637	3/4	57,612	3/4	42,589	3/4	27,561	3/4	12,661	3/4		3/4		3/4		3/4		3/4	
6	72,324	6	57,299	6	42,276	6	27,248	6	12,363	6		6		6		6		6	
1/4	72,011	1/4	56,987	1/4	41,963	1/4	26,935	1/4	12,065	1/4		1/4		1/4		1/4		1/4	
1/2	71,698	1/2	56,674	1/2	41,649	1/2	26,622	1/2	11,772	1/2		1/2		1/2		1/2		1/2	
3/4	71,385	3/4	56,361	3/4	41,336	3/4	26,309	3/4	11,478	3/4		3/4		3/4		3/4		3/4	
7	71,072	7	56,048	7	41,023	7	25,996	7	11,184	7		7		7		7		7	
1/4	70,759	1/4	55,735	1/4	40,710	1/4	25,683	1/4	10,890	1/4		1/4		1/4		1/4		1/4	
1/2	70,446	1/2	55,422	1/2	40,397	1/2	25,370	1/2	10,600	1/2		1/2		1/2		1/2		1/2	
3/4	70,133	3/4	55,110	3/4	40,084	3/4	25,057	3/4	10,310	3/4		3/4		3/4		3/4		3/4	
8	69,819	8	54,797	8	39,771	8	24,743	8	10,020	8		8		8		8		8	
1/4	69,506	1/4	54,484	1/4	39,458	1/4	24,430	1/4	9,730	1/4		1/4		1/4		1/4		1/4	
1/2	69,193	1/2	54,171	1/2	39,145	1/2	24,117	1/2	9,444	1/2		1/2		1/2		1/2		1/2	
3/4	68,880	3/4	53,858	3/4	38,832	3/4	23,804	3/4	9,158	3/4		3/4		3/4		3/4		3/4	
9	68,567	9	53,545	9	38,519	9	23,491	9	8,872	9		9		9		9		9	
1/4	68,254	1/4	53,232	1/4	38,206	1/4	23,178	1/4	8,586	1/4		1/4		1/4		1/4		1/4	
1/2	67,941	1/2	52,919	1/2	37,893	1/2	22,865	1/2	8,304	1/2		1/2		1/2		1/2		1/2	
3/4	67,628	3/4	52,607	3/4	37,580	3/4	22,552	3/4	8,021	3/4		3/4		3/4		3/4		3/4	
10	67,315	10	52,294	10	37,266	10	22,239	10	7,739	10		10		10		10		10	
1/4	67,002	1/4	51,981	1/4	36,953	1/4	21,926	1/4	7,457	1/4		1/4		1/4		1/4		1/4	
1/2	66,689	1/2	51,668	1/2	36,640	1/2	21,613	1/2	7,179	1/2		1/2		1/2		1/2		1/2	
3/4	66,375	3/4	51,355	3/4	36,327	3/4	21,300	3/4	6,900	3/4		3/4		3/4		3/4		3/4	
11	66,062	11	51,042	11	36,014	11	20,987	11	6,622	11		11		11		11		11	
1/4	65,749	1/4	50,729	1/4	35,701	1/4	20,673	1/4	6,343	1/4		1/4		1/4		1/4		1/4	
1/2	65,436	1/2	50,416	1/2	35,388	1/2	20,360	1/2	6,069	1/2		1/2		1/2		1/2		1/2	
3/4	65,123	3/4	50,103	3/4	35,075	3/4	20,047	3/4	5,794	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2019 CL
CALCULATED: 11/11/2019 CL
PRINTED: 11/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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





BARGE "HSM 3027"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,181	0	66,095	0	51,550	0	37,064	0	22,004	0	6,918	0		0		0		0	
1/4	80,867	1/4	65,786	1/4	51,248	1/4	36,756	1/4	21,690	1/4	6,603	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,553	1/2	65,478	1/2	50,946	1/2	36,448	1/2	21,375	1/2	6,289	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,238	3/4	65,169	3/4	50,643	3/4	36,139	3/4	21,061	3/4	5,975	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	79,924	1	64,861	1	50,341	1	35,831	1	20,747	1	5,661	1	1	1	1	1	1	1	1
1/4	79,610	1/4	64,558	1/4	50,039	1/4	35,517	1/4	20,433	1/4	5,347	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,296	1/2	64,256	1/2	49,738	1/2	35,202	1/2	20,118	1/2	5,033	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,981	3/4	63,953	3/4	49,436	3/4	34,888	3/4	19,804	3/4	4,719	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	78,667	2	63,651	2	49,134	2	34,574	2	19,490	2	4,404	2	2	2	2	2	2	2	2
1/4	78,353	1/4	63,348	1/4	48,832	1/4	34,259	1/4	19,175	1/4	4,091	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,038	1/2	63,046	1/2	48,531	1/2	33,945	1/2	18,861	1/2	3,778	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,724	3/4	62,743	3/4	48,229	3/4	33,631	3/4	18,547	3/4	3,465	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	77,410	3	62,441	3	47,927	3	33,316	3	18,232	3	3,151	3	3	3	3	3	3	3	3
1/4	77,095	1/4	62,138	1/4	47,626	1/4	33,002	1/4	17,918	1/4	2,857	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,781	1/2	61,836	1/2	47,324	1/2	32,688	1/2	17,604	1/2	2,564	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,467	3/4	61,533	3/4	47,022	3/4	32,374	3/4	17,290	3/4	2,270	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	76,152	4	61,231	4	46,721	4	32,059	4	16,975	4	1,976	4	4	4	4	4	4	4	4
1/4	75,838	1/4	60,928	1/4	46,419	1/4	31,745	1/4	16,661	1/4	1,740	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,524	1/2	60,626	1/2	46,118	1/2	31,431	1/2	16,347	1/2	1,504	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,210	3/4	60,323	3/4	45,816	3/4	31,116	3/4	16,032	3/4	1,269	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	74,895	5	60,021	5	45,514	5	30,802	5	15,718	5	1,033	5	5	5	5	5	5	5	5
1/4	74,581	1/4	59,718	1/4	45,213	1/4	30,488	1/4	15,404	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,267	1/2	59,415	1/2	44,911	1/2	30,174	1/2	15,089	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,952	3/4	59,113	3/4	44,610	3/4	29,859	3/4	14,775	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	73,638	6	58,810	6	44,308	6	29,545	6	14,461	6	6	6	6	6	6	6	6	6	6
1/4	73,324	1/4	58,508	1/4	44,006	1/4	29,231	1/4	14,147	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,009	1/2	58,205	1/2	43,705	1/2	28,917	1/2	13,832	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,695	3/4	57,903	3/4	43,403	3/4	28,603	3/4	13,518	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	72,381	7	57,600	7	43,102	7	28,289	7	13,204	7	7	7	7	7	7	7	7	7	7
1/4	72,066	1/4	57,298	1/4	42,800	1/4	27,975	1/4	12,889	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,752	1/2	56,995	1/2	42,499	1/2	27,661	1/2	12,575	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,438	3/4	56,693	3/4	42,197	3/4	27,347	3/4	12,261	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	71,124	8	56,390	8	41,895	8	27,033	8	11,946	8	8	8	8	8	8	8	8	8	8
1/4	70,809	1/4	56,088	1/4	41,594	1/4	26,718	1/4	11,632	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,495	1/2	55,785	1/2	41,292	1/2	26,404	1/2	11,318	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,181	3/4	55,483	3/4	40,991	3/4	26,090	3/4	11,004	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	69,866	9	55,180	9	40,689	9	25,776	9	10,689	9		9	9	9	9	9	9	9	9
1/4	69,552	1/4	54,878	1/4	40,387	1/4	25,461	1/4	10,375	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,238	1/2	54,575	1/2	40,086	1/2	25,147	1/2	10,061	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,923	3/4	54,273	3/4	39,784	3/4	24,833	3/4	9,746	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	68,609	10	53,970	10	39,483	10	24,518	10	9,432	10	10	10	10	10	10	10	10	10	10
1/4	68,295	1/4	53,668	1/4	39,181	1/4	24,204	1/4	9,118	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,980	1/2	53,365	1/2	38,879	1/2	23,890	1/2	8,804	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,666	3/4	53,062	3/4	38,577	3/4	23,576	3/4	8,489	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	67,352	11	52,760	11	38,275	11	23,261	11	8,175	11	11	11	11	11	11	11	11	11	11
1/4	67,038	1/4	52,457	1/4	37,972	1/4	22,947	1/4	7,861	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,723	1/2	52,155	1/2	37,669	1/2	22,633	1/2	7,546	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,409	3/4	51,852	3/4	37,367	3/4	22,318	3/4	7,232	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.

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ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
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Pearland, Texas 77588
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BARGE "HSM 3027"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	202,952	0	187,919	0	172,866	0	157,781	0	142,697	0	127,612	0	112,527	0	97,436
1/4		1/4		1/4	202,639	1/4	187,606	1/4	172,552	1/4	157,467	1/4	142,382	1/4	127,298	1/4	112,213	1/4	97,122
1/2		1/2		1/2	202,326	1/2	187,292	1/2	172,238	1/2	157,153	1/2	142,068	1/2	126,984	1/2	111,899	1/2	96,807
3/4		3/4		3/4	202,013	3/4	186,979	3/4	171,923	3/4	156,839	3/4	141,754	3/4	126,669	3/4	111,585	3/4	96,493
1		1		1	201,699	1	186,666	1	171,609	1	156,524	1	141,440	1	126,355	1	111,270	1	96,178
1/4		1/4		1/4	201,386	1/4	186,353	1/4	171,295	1/4	156,210	1/4	141,125	1/4	126,041	1/4	110,956	1/4	95,864
1/2		1/2		1/2	201,073	1/2	186,040	1/2	170,980	1/2	155,896	1/2	140,811	1/2	125,726	1/2	110,642	1/2	95,550
3/4		3/4		3/4	200,760	3/4	185,726	3/4	170,666	3/4	155,582	3/4	140,497	3/4	125,412	3/4	110,327	3/4	95,235
2		2	214,389	2	200,447	2	185,413	2	170,352	2	155,267	2	140,183	2	125,098	2	110,013	2	94,921
1/4		1/4	214,210	1/4	200,133	1/4	185,100	1/4	170,038	1/4	154,953	1/4	139,868	1/4	124,784	1/4	109,699	1/4	94,606
1/2		1/2	214,031	1/2	199,820	1/2	184,787	1/2	169,723	1/2	154,639	1/2	139,554	1/2	124,469	1/2	109,384	1/2	94,292
3/4		3/4	213,852	3/4	199,507	3/4	184,474	3/4	169,409	3/4	154,324	3/4	139,240	3/4	124,155	3/4	109,070	3/4	93,978
3		3	213,672	3	199,194	3	184,160	3	169,095	3	154,010	3	138,926	3	123,841	3	108,755	3	93,663
1/4		1/4	213,441	1/4	198,881	1/4	183,847	1/4	168,781	1/4	153,696	1/4	138,611	1/4	123,527	1/4	108,441	1/4	93,349
1/2		1/2	213,209	1/2	198,567	1/2	183,534	1/2	168,466	1/2	153,382	1/2	138,297	1/2	123,212	1/2	108,126	1/2	93,034
3/4		3/4	212,977	3/4	198,254	3/4	183,221	3/4	168,152	3/4	153,067	3/4	137,983	3/4	122,898	3/4	107,812	3/4	92,720
4		4	212,746	4	197,941	4	182,908	4	167,838	4	152,753	4	137,669	4	122,584	4	107,498	4	92,405
1/4		1/4	212,466	1/4	197,628	1/4	182,594	1/4	167,524	1/4	152,439	1/4	137,354	1/4	122,270	1/4	107,183	1/4	92,091
1/2		1/2	212,185	1/2	197,315	1/2	182,281	1/2	167,209	1/2	152,125	1/2	137,040	1/2	121,955	1/2	106,869	1/2	91,777
3/4		3/4	211,905	3/4	197,001	3/4	181,968	3/4	166,895	3/4	151,810	3/4	136,726	3/4	121,641	3/4	106,554	3/4	91,462
5		5	211,625	5	196,688	5	181,655	5	166,581	5	151,496	5	136,411	5	121,327	5	106,240	5	91,148
1/4		1/4	211,319	1/4	196,375	1/4	181,342	1/4	166,267	1/4	151,182	1/4	136,097	1/4	121,013	1/4	105,926	1/4	90,833
1/2		1/2	211,013	1/2	196,062	1/2	181,028	1/2	165,952	1/2	150,868	1/2	135,783	1/2	120,698	1/2	105,611	1/2	90,519
3/4		3/4	210,707	3/4	195,749	3/4	180,715	3/4	165,638	3/4	150,553	3/4	135,469	3/4	120,384	3/4	105,297	3/4	90,204
6		6	210,401	6	195,435	6	180,402	6	165,324	6	150,239	6	135,154	6	120,070	6	104,982	6	89,890
1/4		1/4	210,091	1/4	195,122	1/4	180,089	1/4	165,009	1/4	149,925	1/4	134,840	1/4	119,755	1/4	104,668	1/4	89,576
1/2		1/2	209,781	1/2	194,809	1/2	179,776	1/2	164,695	1/2	149,611	1/2	134,526	1/2	119,441	1/2	104,353	1/2	89,261
3/4		3/4	209,471	3/4	194,496	3/4	179,462	3/4	164,381	3/4	149,296	3/4	134,212	3/4	119,127	3/4	104,039	3/4	88,947
7		7	209,162	7	194,183	7	179,149	7	164,067	7	148,982	7	133,897	7	118,813	7	103,725	7	88,632
1/4		1/4	208,851	1/4	193,869	1/4	178,835	1/4	163,752	1/4	148,668	1/4	133,583	1/4	118,498	1/4	103,410	1/4	88,318
1/2		1/2	208,541	1/2	193,556	1/2	178,522	1/2	163,438	1/2	148,353	1/2	133,269	1/2	118,184	1/2	103,096	1/2	88,003
3/4		3/4	208,231	3/4	193,243	3/4	178,208	3/4	163,124	3/4	148,039	3/4	132,955	3/4	117,870	3/4	102,781	3/4	87,689
8		8	207,921	8	192,930	8	177,894	8	162,810	8	147,725	8	132,640	8	117,556	8	102,467	8	87,375
1/4		1/4	207,611	1/4	192,617	1/4	177,580	1/4	162,495	1/4	147,411	1/4	132,326	1/4	117,241	1/4	102,152	1/4	87,060
1/2		1/2	207,300	1/2	192,303	1/2	177,266	1/2	162,181	1/2	147,096	1/2	132,012	1/2	116,927	1/2	101,838	1/2	86,746
3/4		3/4	206,990	3/4	191,990	3/4	176,951	3/4	161,867	3/4	146,782	3/4	131,698	3/4	116,613	3/4	101,524	3/4	86,431
9		9	206,680	9	191,677	9	176,637	9	161,553	9	146,468	9	131,383	9	116,299	9	101,209	9	86,117
1/4		1/4	206,370	1/4	191,364	1/4	176,323	1/4	161,238	1/4	146,154	1/4	131,069	1/4	115,984	1/4	100,895	1/4	85,803
1/2		1/2	206,060	1/2	191,051	1/2	176,009	1/2	160,924	1/2	145,839	1/2	130,755	1/2	115,670	1/2	100,580	1/2	85,488
3/4		3/4	205,749	3/4	190,738	3/4	175,694	3/4	160,610	3/4	145,525	3/4	130,440	3/4	115,356	3/4	100,266	3/4	85,174
10		10	205,439	10	190,424	10	175,380	10	160,296	10	145,211	10	130,126	10	115,042	10	99,952	10	84,859
1/4		1/4	205,129	1/4	190,111	1/4	175,066	1/4	159,981	1/4	144,897	1/4	129,812	1/4	114,727	1/4	99,637	1/4	84,545
1/2		1/2	204,819	1/2	189,798	1/2	174,752	1/2	159,667	1/2	144,582	1/2	129,498	1/2	114,413	1/2	99,323	1/2	84,230
3/4		3/4	204,509	3/4	189,485	3/4	174,437	3/4	159,353	3/4	144,268	3/4	129,183	3/4	114,099	3/4	99,008	3/4	83,916
11		11	204,199	11	189,172	11	174,123	11	159,038	11	143,954	11	128,869	11	113,784	11	98,694	11	83,602
1/4		1/4	203,887	1/4	188,858	1/4	173,809	1/4	158,724	1/4	143,640	1/4	128,555	1/4	113,470	1/4	98,379	1/4	83,287
1/2		1/2	203,576	1/2	188,545	1/2	173,495	1/2	158,410	1/2	143,325	1/2	128,241	1/2	113,156	1/2	98,065	1/2	82,973
3/4		3/4	203,264	3/4	188,232	3/4	173,180	3/4	158,096	3/4	143,011	3/4	127,926	3/4	112,842	3/4	97,751	3/4	82,658

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HSM 3027"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	82,344	0	67,252	0	52,159	0	37,103	0	22,013	0	6,921	0		0		0		0	
1/4	82,029	1/4	66,937	1/4	51,845	1/4	36,788	1/4	21,698	1/4	6,606	1/4		1/4		1/4		1/4	
1/2	81,715	1/2	66,623	1/2	51,531	1/2	36,474	1/2	21,384	1/2	6,292	1/2		1/2		1/2		1/2	
3/4	81,401	3/4	66,308	3/4	51,217	3/4	36,159	3/4	21,070	3/4	5,977	3/4		3/4		3/4		3/4	
1	81,086	1	65,994	1	50,903	1	35,845	1	20,755	1	5,663	1		1		1		1	
1/4	80,772	1/4	65,680	1/4	50,589	1/4	35,531	1/4	20,441	1/4	5,349	1/4		1/4		1/4		1/4	
1/2	80,457	1/2	65,365	1/2	50,276	1/2	35,216	1/2	20,126	1/2	5,035	1/2		1/2		1/2		1/2	
3/4	80,143	3/4	65,051	3/4	49,962	3/4	34,902	3/4	19,812	3/4	4,721	3/4		3/4		3/4		3/4	
2	79,829	2	64,736	2	49,648	2	34,587	2	19,497	2	4,406	2		2		2		2	
1/4	79,514	1/4	64,422	1/4	49,335	1/4	34,273	1/4	19,183	1/4	4,093	1/4		1/4		1/4		1/4	
1/2	79,200	1/2	64,107	1/2	49,021	1/2	33,958	1/2	18,869	1/2	3,779	1/2		1/2		1/2		1/2	
3/4	78,885	3/4	63,793	3/4	48,708	3/4	33,644	3/4	18,554	3/4	3,466	3/4		3/4		3/4		3/4	
3	78,571	3	63,479	3	48,394	3	33,330	3	18,240	3	3,153	3		3		3		3	
1/4	78,256	1/4	63,164	1/4	48,080	1/4	33,015	1/4	17,925	1/4	2,859	1/4		1/4		1/4		1/4	
1/2	77,942	1/2	62,850	1/2	47,767	1/2	32,701	1/2	17,611	1/2	2,565	1/2		1/2		1/2		1/2	
3/4	77,628	3/4	62,535	3/4	47,453	3/4	32,386	3/4	17,296	3/4	2,271	3/4		3/4		3/4		3/4	
4	77,313	4	62,221	4	47,140	4	32,072	4	16,982	4	1,977	4		4		4		4	
1/4	76,999	1/4	61,907	1/4	46,826	1/4	31,758	1/4	16,668	1/4	1,741	1/4		1/4		1/4		1/4	
1/2	76,684	1/2	61,592	1/2	46,513	1/2	31,443	1/2	16,353	1/2	1,505	1/2		1/2		1/2		1/2	
3/4	76,370	3/4	61,278	3/4	46,199	3/4	31,129	3/4	16,039	3/4	1,269	3/4		3/4		3/4		3/4	
5	76,055	5	60,963	5	45,886	5	30,814	5	15,724	5	1,034	5		5		5		5	
1/4	75,741	1/4	60,649	1/4	45,572	1/4	30,500	1/4	15,410	1/4		1/4		1/4		1/4		1/4	
1/2	75,427	1/2	60,334	1/2	45,259	1/2	30,186	1/2	15,096	1/2		1/2		1/2		1/2		1/2	
3/4	75,112	3/4	60,020	3/4	44,946	3/4	29,871	3/4	14,781	3/4		3/4		3/4		3/4		3/4	
6	74,798	6	59,706	6	44,632	6	29,557	6	14,467	6		6		6		6		6	
1/4	74,483	1/4	59,391	1/4	44,319	1/4	29,243	1/4	14,152	1/4		1/4		1/4		1/4		1/4	
1/2	74,169	1/2	59,077	1/2	44,005	1/2	28,928	1/2	13,838	1/2		1/2		1/2		1/2		1/2	
3/4	73,855	3/4	58,762	3/4	43,692	3/4	28,614	3/4	13,523	3/4		3/4		3/4		3/4		3/4	
7	73,540	7	58,448	7	43,378	7	28,300	7	13,209	7		7		7		7		7	
1/4	73,226	1/4	58,133	1/4	43,065	1/4	27,986	1/4	12,895	1/4		1/4		1/4		1/4		1/4	
1/2	72,911	1/2	57,819	1/2	42,751	1/2	27,672	1/2	12,580	1/2		1/2		1/2		1/2		1/2	
3/4	72,597	3/4	57,505	3/4	42,438	3/4	27,357	3/4	12,266	3/4		3/4		3/4		3/4		3/4	
8	72,282	8	57,190	8	42,124	8	27,043	8	11,951	8		8		8		8		8	
1/4	71,968	1/4	56,876	1/4	41,811	1/4	26,729	1/4	11,637	1/4		1/4		1/4		1/4		1/4	
1/2	71,654	1/2	56,561	1/2	41,497	1/2	26,415	1/2	11,322	1/2		1/2		1/2		1/2		1/2	
3/4	71,339	3/4	56,247	3/4	41,184	3/4	26,100	3/4	11,008	3/4		3/4		3/4		3/4		3/4	
9	71,025	9	55,932	9	40,870	9	25,786	9	10,694	9		9		9		9		9	
1/4	70,710	1/4	55,618	1/4	40,557	1/4	25,471	1/4	10,379	1/4		1/4		1/4		1/4		1/4	
1/2	70,396	1/2	55,304	1/2	40,243	1/2	25,157	1/2	10,065	1/2		1/2		1/2		1/2		1/2	
3/4	70,081	3/4	54,989	3/4	39,930	3/4	24,843	3/4	9,750	3/4		3/4		3/4		3/4		3/4	
10	69,767	10	54,675	10	39,616	10	24,528	10	9,436	10		10		10		10		10	
1/4	69,453	1/4	54,360	1/4	39,302	1/4	24,214	1/4	9,122	1/4		1/4		1/4		1/4		1/4	
1/2	69,138	1/2	54,046	1/2	38,988	1/2	23,899	1/2	8,807	1/2		1/2		1/2		1/2		1/2	
3/4	68,824	3/4	53,732	3/4	38,674	3/4	23,585	3/4	8,493	3/4		3/4		3/4		3/4		3/4	
11	68,509	11	53,417	11	38,360	11	23,270	11	8,178	11		11		11		11		11	
1/4	68,195	1/4	53,103	1/4	38,046	1/4	22,956	1/4	7,864	1/4		1/4		1/4		1/4		1/4	
1/2	67,881	1/2	52,788	1/2	37,731	1/2	22,642	1/2	7,549	1/2		1/2		1/2		1/2		1/2	
3/4	67,566	3/4	52,474	3/4	37,417	3/4	22,327	3/4	7,235	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2019 CL
CALCULATED: 11/11/2019 CL
PRINTED: 11/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3027"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	183,618	0	173,300	0	162,968	0	152,613	0	140,468	0	125,523	0	110,577	0	95,618
1/4		1/4		1/4	183,403	1/4	173,085	1/4	162,752	1/4	152,398	1/4	140,156	1/4	125,211	1/4	110,266	1/4	95,307
1/2		1/2		1/2	183,188	1/2	172,870	1/2	162,537	1/2	152,182	1/2	139,845	1/2	124,900	1/2	109,955	1/2	94,995
3/4		3/4		3/4	182,974	3/4	172,656	3/4	162,321	3/4	151,966	3/4	139,534	3/4	124,588	3/4	109,643	3/4	94,684
1		1		1	182,759	1	172,441	1	162,105	1	151,751	1	139,222	1	124,277	1	109,332	1	94,372
1/4		1/4		1/4	182,544	1/4	172,226	1/4	161,889	1/4	151,535	1/4	138,911	1/4	123,966	1/4	109,020	1/4	94,061
1/2		1/2		1/2	182,329	1/2	172,011	1/2	161,674	1/2	151,319	1/2	138,600	1/2	123,654	1/2	108,709	1/2	93,749
3/4		3/4		3/4	191,741	3/4	182,114	3/4	171,796	3/4	161,458	3/4	151,103	3/4	138,288	3/4	123,343	3/4	108,397
2		2		2	191,617	2	181,899	2	171,581	2	161,242	2	150,888	2	137,977	2	123,032	2	108,086
1/4		1/4		1/4	191,494	1/4	181,684	1/4	171,366	1/4	161,026	1/4	150,672	1/4	137,666	1/4	122,720	1/4	107,775
1/2		1/2		1/2	191,370	1/2	181,469	1/2	171,151	1/2	160,811	1/2	150,456	1/2	137,354	1/2	122,409	1/2	107,463
3/4		3/4		3/4	191,247	3/4	181,254	3/4	170,936	3/4	160,595	3/4	150,241	3/4	137,043	3/4	122,098	3/4	107,152
3		3		3	191,087	3	181,039	3	170,721	3	160,379	3	150,025	3	136,732	3	121,786	3	106,840
1/4		1/4		1/4	190,928	1/4	180,824	1/4	170,506	1/4	160,164	1/4	149,809	1/4	136,420	1/4	121,475	1/4	106,528
1/2		1/2		1/2	190,768	1/2	180,609	1/2	170,291	1/2	159,948	1/2	149,593	1/2	136,109	1/2	121,164	1/2	106,217
3/4		3/4		3/4	190,609	3/4	180,394	3/4	170,076	3/4	159,732	3/4	149,378	3/4	135,797	3/4	120,852	3/4	105,905
4		4		4	190,416	4	180,179	4	169,861	4	159,516	4	149,158	4	135,486	4	120,541	4	105,593
1/4		1/4		1/4	190,223	1/4	179,964	1/4	169,646	1/4	159,301	1/4	148,939	1/4	135,175	1/4	120,229	1/4	105,282
1/2		1/2		1/2	190,031	1/2	179,749	1/2	169,431	1/2	159,085	1/2	148,720	1/2	134,863	1/2	119,918	1/2	104,970
3/4		3/4		3/4	189,838	3/4	179,534	3/4	169,216	3/4	158,869	3/4	148,501	3/4	134,552	3/4	119,607	3/4	104,658
5		5		5	189,626	5	179,319	5	169,001	5	158,654	5	148,270	5	134,241	5	119,295	5	104,346
1/4		1/4		1/4	189,415	1/4	179,104	1/4	168,786	1/4	158,438	1/4	148,039	1/4	133,929	1/4	118,984	1/4	104,034
1/2		1/2		1/2	189,204	1/2	178,889	1/2	168,571	1/2	158,222	1/2	147,808	1/2	133,618	1/2	118,673	1/2	103,723
3/4		3/4		3/4	188,992	3/4	178,674	3/4	168,356	3/4	158,006	3/4	147,578	3/4	133,307	3/4	118,361	3/4	103,411
6		6		6	188,778	6	178,459	6	168,141	6	157,791	6	147,331	6	132,995	6	118,050	6	103,099
1/4		1/4		1/4	188,563	1/4	178,244	1/4	167,926	1/4	157,575	1/4	147,084	1/4	132,684	1/4	117,739	1/4	102,787
1/2		1/2		1/2	188,348	1/2	178,029	1/2	167,711	1/2	157,359	1/2	146,837	1/2	132,373	1/2	117,427	1/2	102,476
3/4		3/4		3/4	188,133	3/4	177,815	3/4	167,496	3/4	157,144	3/4	146,590	3/4	132,061	3/4	117,116	3/4	102,164
7		7		7	187,918	7	177,600	7	167,281	7	156,928	7	146,328	7	131,750	7	116,804	7	101,852
1/4		1/4		1/4	187,703	1/4	177,385	1/4	167,066	1/4	156,712	1/4	146,065	1/4	131,438	1/4	116,493	1/4	101,540
1/2		1/2		1/2	187,488	1/2	177,170	1/2	166,850	1/2	156,496	1/2	145,802	1/2	131,127	1/2	116,182	1/2	101,228
3/4		3/4		3/4	187,273	3/4	176,955	3/4	166,635	3/4	156,281	3/4	145,540	3/4	130,816	3/4	115,870	3/4	100,917
8		8		8	187,058	8	176,740	8	166,419	8	156,065	8	145,262	8	130,504	8	115,559	8	100,605
1/4		1/4		1/4	186,843	1/4	176,525	1/4	166,204	1/4	155,849	1/4	144,983	1/4	130,193	1/4	115,248	1/4	100,293
1/2		1/2		1/2	186,628	1/2	176,310	1/2	165,988	1/2	155,634	1/2	144,705	1/2	129,882	1/2	114,936	1/2	99,981
3/4		3/4		3/4	186,413	3/4	176,095	3/4	165,772	3/4	155,418	3/4	144,427	3/4	129,570	3/4	114,625	3/4	99,670
9		9		9	186,198	9	175,880	9	165,557	9	155,202	9	144,133	9	129,259	9	114,314	9	99,358
1/4		1/4		1/4	185,983	1/4	175,665	1/4	165,341	1/4	154,986	1/4	143,838	1/4	128,948	1/4	114,002	1/4	99,046
1/2		1/2		1/2	185,768	1/2	175,450	1/2	165,125	1/2	154,771	1/2	143,544	1/2	128,636	1/2	113,691	1/2	98,734
3/4		3/4		3/4	185,553	3/4	175,235	3/4	164,909	3/4	154,555	3/4	143,250	3/4	128,325	3/4	113,379	3/4	98,422
10		10		10	185,338	10	175,020	10	164,694	10	154,339	10	142,943	10	128,013	10	113,068	10	98,111
1/4		1/4		1/4	185,123	1/4	174,805	1/4	164,478	1/4	154,124	1/4	142,637	1/4	127,702	1/4	112,757	1/4	97,799
1/2		1/2		1/2	184,908	1/2	174,590	1/2	164,262	1/2	153,908	1/2	142,330	1/2	127,391	1/2	112,445	1/2	97,487
3/4		3/4		3/4	184,693	3/4	174,375	3/4	164,047	3/4	153,692	3/4	142,023	3/4	127,079	3/4	112,134	3/4	97,176
11		11		11	184,478	11	174,160	11	163,831	11	153,476	11	141,712	11	126,768	11	111,823	11	96,864
1/4		1/4		1/4	184,263	1/4	173,945	1/4	163,615	1/4	153,261	1/4	141,401	1/4	126,457	1/4	111,511	1/4	96,553
1/2		1/2		1/2	184,048	1/2	173,730	1/2	163,399	1/2	153,045	1/2	141,090	1/2	126,145	1/2	111,200	1/2	96,241
3/4		3/4		3/4	183,833	3/4	173,515	3/4	163,184	3/4	152,829	3/4	140,779	3/4	125,834	3/4	110,889	3/4	95,930

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD.

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BARGE "HSM 3027"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	80,658	0	65,766	0	51,058	0	36,494	0	21,539	0	6,562	0		0		0		0	
1/4	80,346	1/4	65,456	1/4	50,756	1/4	36,186	1/4	21,227	1/4	6,250	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,034	1/2	65,146	1/2	50,454	1/2	35,878	1/2	20,915	1/2	5,938	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,722	3/4	64,836	3/4	50,152	3/4	35,571	3/4	20,603	3/4	5,626	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	79,410	1	64,526	1	49,850	1	35,259	1	20,292	1	5,314	1	1	1	1	1	1	1	1
1/4	79,099	1/4	64,217	1/4	49,547	1/4	34,948	1/4	19,980	1/4	5,002	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,787	1/2	63,907	1/2	49,245	1/2	34,637	1/2	19,668	1/2	4,690	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,475	3/4	63,597	3/4	48,943	3/4	34,325	3/4	19,356	3/4	4,378	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	78,164	2	63,286	2	48,641	2	34,013	2	19,044	2	4,066	2	2	2	2	2	2	2	2
1/4	77,853	1/4	62,975	1/4	48,339	1/4	33,701	1/4	18,732	1/4	3,755	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,542	1/2	62,665	1/2	48,037	1/2	33,389	1/2	18,420	1/2	3,444	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,231	3/4	62,354	3/4	47,735	3/4	33,078	3/4	18,108	3/4	3,132	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	76,922	3	62,042	3	47,433	3	32,766	3	17,796	3	2,840	3	3	3	3	3	3	3	3
1/4	76,612	1/4	61,731	1/4	47,132	1/4	32,454	1/4	17,484	1/4	2,548	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,302	1/2	61,419	1/2	46,830	1/2	32,142	1/2	17,173	1/2	2,256	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,992	3/4	61,108	3/4	46,529	3/4	31,830	3/4	16,861	3/4	1,964	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	75,682	4	60,796	4	46,227	4	31,518	4	16,549	4	1,730	4	4	4	4	4	4	4	4
1/4	75,372	1/4	60,485	1/4	45,926	1/4	31,206	1/4	16,237	1/4	1,495	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,062	1/2	60,173	1/2	45,625	1/2	30,894	1/2	15,925	1/2	1,261	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,752	3/4	59,862	3/4	45,323	3/4	30,582	3/4	15,613	3/4	1,027	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	74,442	5	59,553	5	45,021	5	30,271	5	15,301	5		5	5	5	5	5	5	5	5
1/4	74,133	1/4	59,245	1/4	44,718	1/4	29,959	1/4	14,989	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,823	1/2	58,936	1/2	44,415	1/2	29,647	1/2	14,677	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,513	3/4	58,628	3/4	44,112	3/4	29,335	3/4	14,365	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	73,203	6	58,323	6	43,807	6	29,023	6	14,054	6	6	6	6	6	6	6	6	6	6
1/4	72,893	1/4	58,018	1/4	43,503	1/4	28,712	1/4	13,742	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,583	1/2	57,712	1/2	43,198	1/2	28,400	1/2	13,430	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,273	3/4	57,407	3/4	42,893	3/4	28,088	3/4	13,118	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	71,963	7	57,104	7	42,589	7	27,776	7	12,806	7	7	7	7	7	7	7	7	7	7
1/4	71,654	1/4	56,800	1/4	42,284	1/4	27,465	1/4	12,494	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,344	1/2	56,496	1/2	41,980	1/2	27,153	1/2	12,182	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,034	3/4	56,193	3/4	41,675	3/4	26,841	3/4	11,870	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	70,724	8	55,891	8	41,370	8	26,529	8	11,558	8	8	8	8	8	8	8	8	8	8
1/4	70,414	1/4	55,589	1/4	41,066	1/4	26,218	1/4	11,246	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,104	1/2	55,286	1/2	40,761	1/2	25,906	1/2	10,934	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,794	3/4	54,984	3/4	40,457	3/4	25,594	3/4	10,622	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	69,484	9	54,682	9	40,152	9	25,282	9	10,309	9	9	9	9	9	9	9	9	9	9
1/4	69,175	1/4	54,380	1/4	39,848	1/4	24,970	1/4	9,997	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	68,865	1/2	54,078	1/2	39,543	1/2	24,658	1/2	9,684	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	68,555	3/4	53,776	3/4	39,238	3/4	24,346	3/4	9,372	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	68,245	10	53,474	10	38,934	10	24,034	10	9,060	10	10	10	10	10	10	10	10	10	10
1/4	67,935	1/4	53,172	1/4	38,629	1/4	23,723	1/4	8,747	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67,625	1/2	52,870	1/2	38,325	1/2	23,411	1/2	8,435	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	67,315	3/4	52,568	3/4	38,020	3/4	23,099	3/4	8,123	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	67,005	11	52,266	11	37,715	11	22,787	11	7,811	11	11	11	11	11	11	11	11	11	11
1/4	66,696	1/4	51,964	1/4	37,411	1/4	22,475	1/4	7,499	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66,386	1/2	51,662	1/2	37,106	1/2	22,163	1/2	7,186	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	66,076	3/4	51,360	3/4	36,802	3/4	21,851	3/4	6,874	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: 11/11/2019 CL
CALCULATED: 11/11/2019 CL
PRINTED: 11/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3027"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0	184,872	0	174,553	0	164,221	0	153,866	0	141,803	0	126,824	0	111,845	0	96,851
1/4		1/4		1/4	184,657	1/4	174,338	1/4	164,006	1/4	153,651	1/4	141,491	1/4	126,512	1/4	111,533	1/4	96,539
1/2		1/2		1/2	184,442	1/2	174,123	1/2	163,790	1/2	153,435	1/2	141,179	1/2	126,200	1/2	111,221	1/2	96,226
3/4		3/4		3/4	184,227	3/4	173,909	3/4	163,574	3/4	153,219	3/4	140,867	3/4	125,888	3/4	110,909	3/4	95,914
1		1		1	184,012	1	173,694	1	163,358	1	153,003	1	140,555	1	125,576	1	110,597	1	95,602
1/4		1/4		1/4	183,797	1/4	173,479	1/4	163,143	1/4	152,788	1/4	140,243	1/4	125,264	1/4	110,285	1/4	95,289
1/2		1/2		1/2	183,582	1/2	173,264	1/2	162,927	1/2	152,572	1/2	139,930	1/2	124,952	1/2	109,973	1/2	94,977
3/4		3/4		3/4	183,367	3/4	173,049	3/4	162,711	3/4	152,356	3/4	139,618	3/4	124,640	3/4	109,661	3/4	94,664
2		2		2	183,152	2	172,834	2	162,495	2	152,141	2	139,306	2	124,328	2	109,349	2	94,352
1/4		1/4		1/4	192,656	1/4	182,937	1/4	172,619	1/4	162,280	1/4	151,925	1/4	138,994	1/4	124,016	1/4	109,036
1/2		1/2		1/2	192,533	1/2	182,722	1/2	172,404	1/2	162,064	1/2	151,709	1/2	138,682	1/2	123,703	1/2	108,724
3/4		3/4		3/4	192,409	3/4	182,507	3/4	172,189	3/4	161,848	3/4	151,493	3/4	138,370	3/4	123,391	3/4	108,412
3		3		3	192,286	3	182,292	3	171,974	3	161,633	3	151,278	3	138,058	3	123,079	3	108,100
1/4		1/4		1/4	192,126	1/4	182,077	1/4	171,759	1/4	161,417	1/4	151,062	1/4	137,746	1/4	122,767	1/4	107,788
1/2		1/2		1/2	191,967	1/2	181,862	1/2	171,544	1/2	161,201	1/2	150,846	1/2	137,434	1/2	122,455	1/2	107,475
3/4		3/4		3/4	191,807	3/4	181,647	3/4	171,329	3/4	160,985	3/4	150,630	3/4	137,122	3/4	122,143	3/4	107,163
4		4		4	191,648	4	181,432	4	171,114	4	160,770	4	150,415	4	136,810	4	121,831	4	106,851
1/4		1/4		1/4	191,455	1/4	181,217	1/4	170,899	1/4	160,554	1/4	150,195	1/4	136,498	1/4	121,519	1/4	106,538
1/2		1/2		1/2	191,262	1/2	181,002	1/2	170,684	1/2	160,338	1/2	149,976	1/2	136,186	1/2	121,207	1/2	106,226
3/4		3/4		3/4	191,069	3/4	180,787	3/4	170,469	3/4	160,122	3/4	149,757	3/4	135,874	3/4	120,895	3/4	105,913
5		5		5	190,876	5	180,573	5	170,254	5	159,907	5	149,538	5	135,562	5	120,583	5	105,601
1/4		1/4		1/4	190,665	1/4	180,358	1/4	170,039	1/4	159,691	1/4	149,307	1/4	135,250	1/4	120,271	1/4	105,288
1/2		1/2		1/2	190,454	1/2	180,143	1/2	169,824	1/2	159,475	1/2	149,076	1/2	134,938	1/2	119,959	1/2	104,976
3/4		3/4		3/4	190,242	3/4	179,928	3/4	169,609	3/4	159,260	3/4	148,845	3/4	134,626	3/4	119,647	3/4	104,663
6		6		6	190,031	6	179,713	6	169,394	6	159,044	6	148,614	6	134,313	6	119,335	6	104,351
1/4		1/4		1/4	189,816	1/4	179,498	1/4	169,179	1/4	158,828	1/4	148,367	1/4	134,001	1/4	119,023	1/4	104,038
1/2		1/2		1/2	189,602	1/2	179,283	1/2	168,964	1/2	158,612	1/2	148,120	1/2	133,689	1/2	118,711	1/2	103,726
3/4		3/4		3/4	189,387	3/4	179,068	3/4	168,749	3/4	158,397	3/4	147,873	3/4	133,377	3/4	118,398	3/4	103,413
7		7		7	189,172	7	178,853	7	168,534	7	158,181	7	147,626	7	133,065	7	118,086	7	103,101
1/4		1/4		1/4	188,957	1/4	178,638	1/4	168,319	1/4	157,965	1/4	147,363	1/4	132,753	1/4	117,774	1/4	102,788
1/2		1/2		1/2	188,742	1/2	178,423	1/2	168,104	1/2	157,749	1/2	147,100	1/2	132,441	1/2	117,462	1/2	102,476
3/4		3/4		3/4	188,527	3/4	178,208	3/4	167,888	3/4	157,534	3/4	146,837	3/4	132,129	3/4	117,150	3/4	102,163
8		8		8	188,312	8	177,993	8	167,673	8	157,318	8	146,574	8	131,817	8	116,838	8	101,851
1/4		1/4		1/4	188,097	1/4	177,778	1/4	167,457	1/4	157,102	1/4	146,296	1/4	131,505	1/4	116,526	1/4	101,539
1/2		1/2		1/2	187,882	1/2	177,563	1/2	167,241	1/2	156,887	1/2	146,017	1/2	131,193	1/2	116,214	1/2	101,226
3/4		3/4		3/4	187,667	3/4	177,348	3/4	167,026	3/4	156,671	3/4	145,738	3/4	130,881	3/4	115,902	3/4	100,914
9		9		9	187,452	9	177,133	9	166,810	9	156,455	9	145,459	9	130,569	9	115,590	9	100,601
1/4		1/4		1/4	187,237	1/4	176,918	1/4	166,594	1/4	156,239	1/4	145,164	1/4	130,257	1/4	115,278	1/4	100,289
1/2		1/2		1/2	187,022	1/2	176,703	1/2	166,379	1/2	156,024	1/2	144,869	1/2	129,945	1/2	114,966	1/2	99,976
3/4		3/4		3/4	186,807	3/4	176,488	3/4	166,163	3/4	155,808	3/4	144,574	3/4	129,633	3/4	114,654	3/4	99,664
10		10		10	186,592	10	176,273	10	165,947	10	155,592	10	144,279	10	129,321	10	114,342	10	99,351
1/4		1/4		1/4	186,377	1/4	176,058	1/4	165,731	1/4	155,376	1/4	143,972	1/4	129,008	1/4	114,030	1/4	99,039
1/2		1/2		1/2	186,162	1/2	175,843	1/2	165,516	1/2	155,161	1/2	143,664	1/2	128,696	1/2	113,718	1/2	98,726
3/4		3/4		3/4	185,947	3/4	175,628	3/4	165,300	3/4	154,945	3/4	143,357	3/4	128,384	3/4	113,406	3/4	98,414
11		11		11	185,732	11	175,413	11	165,084	11	154,729	11	143,050	11	128,072	11	113,093	11	98,101
1/4		1/4		1/4	185,517	1/4	175,198	1/4	164,868	1/4	154,514	1/4	142,738	1/4	127,760	1/4	112,781	1/4	97,789
1/2		1/2		1/2	185,302	1/2	174,983	1/2	164,653	1/2	154,298	1/2	142,426	1/2	127,448	1/2	112,469	1/2	97,476
3/4		3/4		3/4	185,087	3/4	174,768	3/4	164,437	3/4	154,082	3/4	142,114	3/4	127,136	3/4	112,157	3/4	97,164

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE OR 8" HATCH.
 GAUGE POINT: (MMC) LOCATED 10'-06" OFF CENTERLINE AND 41'-09" FORWARD OF AFT BULKHEAD.
 GAUGE POINT: (8") LOCATED 10'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "HSM 3027"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	81,853	0	66,854	0	51,855	0	36,871	0	21,876	0	6,878	0		0		0		0	
1/4	81,540	1/4	66,541	1/4	51,543	1/4	36,559	1/4	21,563	1/4	6,565	1/4		1/4		1/4		1/4	
1/2	81,228	1/2	66,229	1/2	51,230	1/2	36,247	1/2	21,251	1/2	6,253	1/2		1/2		1/2		1/2	
3/4	80,915	3/4	65,916	3/4	50,918	3/4	35,935	3/4	20,938	3/4	5,940	3/4		3/4		3/4		3/4	
1	80,603	1	65,604	1	50,605	1	35,623	1	20,626	1	5,628	1		1		1		1	
1/4	80,290	1/4	65,291	1/4	50,293	1/4	35,311	1/4	20,314	1/4	5,316	1/4		1/4		1/4		1/4	
1/2	79,978	1/2	64,979	1/2	49,980	1/2	34,999	1/2	20,001	1/2	5,003	1/2		1/2		1/2		1/2	
3/4	79,665	3/4	64,667	3/4	49,668	3/4	34,687	3/4	19,689	3/4	4,691	3/4		3/4		3/4		3/4	
2	79,353	2	64,354	2	49,355	2	34,374	2	19,376	2	4,379	2		2		2		2	
1/4	79,040	1/4	64,042	1/4	49,043	1/4	34,062	1/4	19,064	1/4	4,067	1/4		1/4		1/4		1/4	
1/2	78,728	1/2	63,729	1/2	48,730	1/2	33,750	1/2	18,751	1/2	3,756	1/2		1/2		1/2		1/2	
3/4	78,415	3/4	63,417	3/4	48,418	3/4	33,437	3/4	18,439	3/4	3,444	3/4		3/4		3/4		3/4	
3	78,103	3	63,104	3	48,105	3	33,125	3	18,126	3	3,133	3		3		3		3	
1/4	77,790	1/4	62,792	1/4	47,793	1/4	32,812	1/4	17,814	1/4	2,841	1/4		1/4		1/4		1/4	
1/2	77,478	1/2	62,479	1/2	47,481	1/2	32,500	1/2	17,501	1/2	2,549	1/2		1/2		1/2		1/2	
3/4	77,166	3/4	62,167	3/4	47,168	3/4	32,187	3/4	17,189	3/4	2,256	3/4		3/4		3/4		3/4	
4	76,853	4	61,854	4	46,856	4	31,875	4	16,876	4	1,964	4		4		4		4	
1/4	76,541	1/4	61,542	1/4	46,544	1/4	31,562	1/4	16,564	1/4	1,730	1/4		1/4		1/4		1/4	
1/2	76,228	1/2	61,229	1/2	46,232	1/2	31,250	1/2	16,251	1/2	1,496	1/2		1/2		1/2		1/2	
3/4	75,916	3/4	60,917	3/4	45,919	3/4	30,937	3/4	15,939	3/4	1,261	3/4		3/4		3/4		3/4	
5	75,603	5	60,604	5	45,607	5	30,625	5	15,627	5	1,027	5		5		5		5	
1/4	75,291	1/4	60,292	1/4	45,295	1/4	30,312	1/4	15,314	1/4		1/4		1/4		1/4		1/4	
1/2	74,978	1/2	59,979	1/2	44,983	1/2	30,000	1/2	15,002	1/2		1/2		1/2		1/2		1/2	
3/4	74,666	3/4	59,667	3/4	44,671	3/4	29,687	3/4	14,689	3/4		3/4		3/4		3/4		3/4	
6	74,353	6	59,354	6	44,359	6	29,375	6	14,377	6	6	6		6		6		6	
1/4	74,041	1/4	59,042	1/4	44,047	1/4	29,063	1/4	14,064	1/4		1/4		1/4		1/4		1/4	
1/2	73,728	1/2	58,730	1/2	43,735	1/2	28,750	1/2	13,752	1/2		1/2		1/2		1/2		1/2	
3/4	73,416	3/4	58,417	3/4	43,423	3/4	28,438	3/4	13,439	3/4		3/4		3/4		3/4		3/4	
7	73,103	7	58,105	7	43,111	7	28,125	7	13,127	7		7		7		7		7	
1/4	72,791	1/4	57,792	1/4	42,799	1/4	27,813	1/4	12,814	1/4		1/4		1/4		1/4		1/4	
1/2	72,478	1/2	57,480	1/2	42,487	1/2	27,500	1/2	12,502	1/2		1/2		1/2		1/2		1/2	
3/4	72,166	3/4	57,167	3/4	42,175	3/4	27,188	3/4	12,189	3/4		3/4		3/4		3/4		3/4	
8	71,853	8	56,855	8	41,863	8	26,875	8	11,877	8		8		8		8		8	
1/4	71,541	1/4	56,542	1/4	41,551	1/4	26,563	1/4	11,565	1/4		1/4		1/4		1/4		1/4	
1/2	71,228	1/2	56,230	1/2	41,239	1/2	26,250	1/2	11,252	1/2		1/2		1/2		1/2		1/2	
3/4	70,916	3/4	55,917	3/4	40,927	3/4	25,938	3/4	10,940	3/4		3/4		3/4		3/4		3/4	
9	70,604	9	55,605	9	40,615	9	25,625	9	10,627	9		9		9		9		9	
1/4	70,291	1/4	55,292	1/4	40,303	1/4	25,313	1/4	10,315	1/4		1/4		1/4		1/4		1/4	
1/2	69,979	1/2	54,980	1/2	39,991	1/2	25,001	1/2	10,002	1/2		1/2		1/2		1/2		1/2	
3/4	69,666	3/4	54,667	3/4	39,679	3/4	24,688	3/4	9,690	3/4		3/4		3/4		3/4		3/4	
10	69,354	10	54,355	10	39,367	10	24,376	10	9,377	10		10		10		10		10	
1/4	69,041	1/4	54,042	1/4	39,055	1/4	24,063	1/4	9,065	1/4		1/4		1/4		1/4		1/4	
1/2	68,729	1/2	53,730	1/2	38,743	1/2	23,751	1/2	8,752	1/2		1/2		1/2		1/2		1/2	
3/4	68,416	3/4	53,417	3/4	38,431	3/4	23,438	3/4	8,440	3/4		3/4		3/4		3/4		3/4	
11	68,104	11	53,105	11	38,119	11	23,126	11	8,127	11		11		11		11		11	
1/4	67,791	1/4	52,792	1/4	37,807	1/4	22,813	1/4	7,815	1/4		1/4		1/4		1/4		1/4	
1/2	67,479	1/2	52,480	1/2	37,495	1/2	22,501	1/2	7,502	1/2		1/2		1/2		1/2		1/2	
3/4	67,166	3/4	52,168	3/4	37,183	3/4	22,188	3/4	7,190	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/11/2019 CL
CALCULATED: 11/11/2019 CL
PRINTED: 11/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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





BARGE "HSM 3027"

PORT SLOP TANK

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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	0	0	0	0	4,282	0	3,127	0	1,973	0	818	0		0		0		0	
1/4		1/4		1/4	4,258	1/4	3,103	1/4	1,949	1/4	794	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,234	1/2	3,079	1/2	1,925	1/2	770	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,210	3/4	3,054	3/4	1,901	3/4	746	3/4		3/4		3/4		3/4	
1	1	1	1	1	4,185	1	3,030	1	1,877	1	722	1	1	1	1	1	1	1	1
1/4		1/4		1/4	4,161	1/4	3,006	1/4	1,853	1/4	698	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,137	1/2	2,982	1/2	1,829	1/2	674	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,113	3/4	2,958	3/4	1,805	3/4	650	3/4		3/4		3/4		3/4	
2	2	2	2	2	4,089	2	2,934	2	1,780	2	626	2	2	2	2	2	2	2	2
1/4		1/4		1/4	4,065	1/4	2,910	1/4	1,756	1/4	602	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,140	1/2	4,041	1/2	2,886	1/2	578	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,128	3/4	4,017	3/4	2,862	3/4	553	3/4		3/4		3/4		3/4	
3	3	3	3	3	5,117	3	3,993	3	2,838	3	529	3	3	3	3	3	3	3	3
1/4		1/4		1/4	5,105	1/4	3,969	1/4	2,814	1/4	505	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	5,093	1/2	3,945	1/2	2,790	1/2	481	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	5,070	3/4	3,921	3/4	2,766	3/4	457	3/4		3/4		3/4		3/4	
4	4	4	4	4	5,046	4	3,897	4	2,742	4	433	4	4	4	4	4	4	4	4
1/4		1/4		1/4	5,023	1/4	3,873	1/4	2,718	1/4	409	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,999	1/2	3,849	1/2	2,694	1/2	385	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,975	3/4	3,825	3/4	2,670	3/4	361	3/4		3/4		3/4		3/4	
5	5	5	5	5	4,952	5	3,800	5	2,646	5	337	5	5	5	5	5	5	5	5
1/4		1/4		1/4	4,928	1/4	3,776	1/4	2,622	1/4	313	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,904	1/2	3,752	1/2	2,597	1/2	289	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,881	3/4	3,728	3/4	2,574	3/4	265	3/4		3/4		3/4		3/4	
6	6	6	6	6	4,857	6	3,704	6	2,550	6	241	6	6	6	6	6	6	6	6
1/4		1/4		1/4	4,833	1/4	3,680	1/4	2,526	1/4	217	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,810	1/2	3,656	1/2	2,502	1/2	193	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,786	3/4	3,632	3/4	2,478	3/4	168	3/4		3/4		3/4		3/4	
7	7	7	7	7	4,762	7	3,608	7	2,454	7	144	7	7	7	7	7	7	7	7
1/4		1/4		1/4	4,739	1/4	3,584	1/4	2,430	1/4	120	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,715	1/2	3,560	1/2	2,406	1/2	96	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,691	3/4	3,536	3/4	2,382	3/4	1,227	3/4		3/4		3/4		3/4	
8	8	8	8	8	4,667	8	3,512	8	2,358	8	1,203	8	8	8	8	8	8	8	8
1/4		1/4		1/4	4,643	1/4	3,488	1/4	2,334	1/4	1,179	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,619	1/2	3,464	1/2	2,310	1/2	1,155	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,595	3/4	3,440	3/4	2,286	3/4	1,131	3/4		3/4		3/4		3/4	
9	9	9	9	9	4,570	9	3,415	9	2,262	9	1,107	9	9	9	9	9	9	9	9
1/4		1/4		1/4	4,546	1/4	3,391	1/4	2,238	1/4	1,083	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,522	1/2	3,367	1/2	2,214	1/2	1,059	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,498	3/4	3,343	3/4	2,190	3/4	1,035	3/4		3/4		3/4		3/4	
10	10	10	10	10	4,474	10	3,319	10	2,165	10	1,011	10	10	10	10	10	10	10	10
1/4		1/4		1/4	4,450	1/4	3,295	1/4	2,141	1/4	987	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,426	1/2	3,271	1/2	2,117	1/2	963	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,402	3/4	3,247	3/4	2,093	3/4	938	3/4		3/4		3/4		3/4	
11	11	11	11	11	4,378	11	3,223	11	2,069	11	914	11	11	11	11	11	11	11	11
1/4		1/4		1/4	4,354	1/4	3,199	1/4	2,045	1/4	890	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,330	1/2	3,175	1/2	2,021	1/2	866	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,306	3/4	3,151	3/4	1,997	3/4	842	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: 11/11/2019 CL
CALCULATED: 11/11/2019 CL
PRINTED: 11/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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 3027"

STBD SLOP TANK

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-07 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	0	0	0	0	4,258	0	3,103	0	1,949	0	794	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	4,234	1/4	3,079	1/4	1,925	1/4	770	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,210	1/2	3,054	1/2	1,901	1/2	746	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,185	3/4	3,030	3/4	1,877	3/4	722	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	4,161	1	3,006	1	1,853	1	698	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	4,137	1/4	2,982	1/4	1,829	1/4	674	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,113	1/2	2,958	1/2	1,805	1/2	650	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,089	3/4	2,934	3/4	1,780	3/4	626	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	4,065	2	2,910	2	1,756	2	602	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	4,041	1/4	2,886	1/4	1,732	1/4	578	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,128	1/2	4,017	1/2	2,862	1/2	553	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,117	3/4	3,993	3/4	2,838	3/4	529	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	5,105	3	3,969	3	2,814	3	505	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	5,093	1/4	3,945	1/4	2,790	1/4	481	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,070	1/2	3,921	1/2	2,766	1/2	457	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,046	3/4	3,897	3/4	2,742	3/4	433	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	5,023	4	3,873	4	2,718	4	409	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	4,999	1/4	3,849	1/4	2,694	1/4	385	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,975	1/2	3,825	1/2	2,670	1/2	361	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,952	3/4	3,800	3/4	2,646	3/4	337	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	4,928	5	3,776	5	2,622	5	313	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	4,904	1/4	3,752	1/4	2,597	1/4	289	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,881	1/2	3,728	1/2	2,574	1/2	265	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,857	3/4	3,704	3/4	2,550	3/4	241	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	4,833	6	3,680	6	2,526	6	217	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	4,810	1/4	3,656	1/4	2,502	1/4	193	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,786	1/2	3,632	1/2	2,478	1/2	168	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,762	3/4	3,608	3/4	2,454	3/4	144	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	4,739	7	3,584	7	2,430	7	120	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	4,715	1/4	3,560	1/4	2,406	1/4	96	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,691	1/2	3,536	1/2	2,382	1/2	122	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,667	3/4	3,512	3/4	2,358	3/4	123	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	4,643	8	3,488	8	2,334	8	119	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	4,619	1/4	3,464	1/4	2,310	1/4	115	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,595	1/2	3,440	1/2	2,286	1/2	111	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,570	3/4	3,415	3/4	2,262	3/4	107	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	4,546	9	3,391	9	2,238	9	103	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	4,522	1/4	3,367	1/4	2,214	1/4	109	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,498	1/2	3,343	1/2	2,190	1/2	105	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,474	3/4	3,319	3/4	2,165	3/4	101	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	4,450	10	3,295	10	2,141	10	97	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	4,426	1/4	3,271	1/4	2,117	1/4	93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,402	1/2	3,247	1/2	2,093	1/2	93	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,378	3/4	3,223	3/4	2,069	3/4	94	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	4,354	11	3,199	11	2,045	11	89	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	4,330	1/4	3,175	1/4	2,021	1/4	86	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,306	1/2	3,151	1/2	1,997	1/2	82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,282	3/4	3,127	3/4	1,973	3/4	81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

STRAPPED: 11/11/2019 CL
CALCULATED: 11/11/2019 CL
PRINTED: 11/11/2019 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2019

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