

ULLAGE TRIM TABLE

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

(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 1 PORT IS - 00-1/8" FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

August 6, 2013

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

http://www.pmacorp.net



1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/4"

	TIES GIVEN IN WHO															_	GAUGE HE		
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	207,603	0	192,656	0	177,656	0	162,618	0	147,573	0	132,529	0	117,485	0	102,438
1/4		1/4		1/4	207,296	1/4	192,344	1/4	177,343	1/4	162,304	1/4	147,260	1/4	132,216	1/4	117,171	1/4	102,124
1/2		1/2		1/2	206,986	1/2	192,031	1/2	177,031	1/2	161,991	1/2	146,947	1/2	131,902	1/2	116,858	1/2	101,811
3/4		3/4		3/4	206,676	3/4	191,719	3/4	176,718	3/4	161,677	3/4	146,633	3/4	131,589	3/4	116,544	3/4	101,497
1		1		1	206,366	1	191,406	1	176,406	1	161,364	1	146,320	1	131,275	1	116,231	1	101,184
1/4		1/4		1/4	206,056	1/4	191,094	1/4	176,093	1/4	161,051	1/4	146,006	1/4	130,962	1/4	115,918	1/4	100,870
1/2		1/2		1/2	205,746	1/2	190,781	1/2	175,780	1/2	160,737	1/2	145,693	1/2	130,649	1/2	115,604	1/2	100,557
3/4		3/4		3/4	205,436	3/4	190,469	3/4	175,467	3/4	160,424	3/4	145,379	3/4	130,335	3/4	115,291	3/4	100,243
2		2		2	205,125	2	190,156	2	175,154	2	160,110	2	145,066	2	130,022	2	114,977	2	99,930
1/4		1/4		1/4	204,815	1/4	189,844	1/4	174,841	1/4	159,797	1/4	144,753	1/4	129,708	1/4	114,664	1/4	99,616
1/2		1/2		1/2	204,504	1/2	189,531	1/2	174,528	1/2	159,483	1/2	144,439	1/2	129,395	1/2	114,350	1/2	99,302
3/4		3/4		3/4	204,194	3/4	189,219	3/4	174,214	3/4	159,170	3/4	144,126	3/4	129,081	3/4	114,037	3/4	98,989
3		3		3	203,883	3	188,906	3	173,901	3	158,857	3	143,812	3	128,768	3	113,724	3	98,675
_		-		-		-		-		\vdash				\vdash		-		-	•
1/4		1/4		1/4	203,573	1/4	188,594	1/4	173,588	1/4	158,543	1/4	143,499	1/4	128,455	1/4	113,410	1/4	98,362
1/2		1/2		1/2	203,262	1/2	188,281	1/2	173,274	1/2	158,230	1/2	143,185	1/2	128,141	1/2	113,097	1/2	98,048
3/4		3/4		3/4	202,952	3/4	187,968	3/4	172,961	3/4	157,916	3/4	142,872	3/4	127,828	3/4	112,783	3/4	97,735
4		4		4	202,641	4	187,656	4	172,647	4	157,603	4	142,559	4	127,514	4	112,470	4	97,421
1/4		1/4		1/4	202,331	1/4	187,343	1/4	172,334	1/4	157,290	1/4	142,245	1/4	127,201	1/4	112,157	1/4	97,108
1/2		1/2		1/2	202,021	1/2	187,031	1/2	172,020	1/2	156,976	1/2	141,932	1/2	126,887	1/2	111,843	1/2	96,794
3/4		3/4		3/4	201,710	3/4	186,718	3/4	171,707	3/4	156,663	3/4	141,618	3/4	126,574	3/4	111,530	3/4	96,480
5		5		5	201,400	5	186,406	5	171,394	5	156,349	5	141,305	5	126,261	5	111,216	5	96,167
1/4		1/4		1/4	201,090	1/4	186,093	1/4	171,080	1/4	156,036	1/4	140,991	1/4	125,947	1/4	110,903	1/4	95,853
1/2		1/2		1/2	200,778	1/2	185,781	1/2	170,767	1/2	155,722	1/2	140,678	1/2	125,634	1/2	110,589	1/2	95,540
3/4		3/4		3/4	200,467	3/4	185,468	3/4	170,453	3/4	155,409	3/4	140,365	3/4	125,320	3/4	110,276	3/4	95,226
6		6		6	200,155	6	185,156	6	170,140	6	155,096	6	140,051	6	125,007	6	109,963	6	94,913
1/4		1/4		1/4	199,844	1/4	184,843	1/4	169,826	1/4	154,782	1/4	139,738	1/4	124,693	1/4	109,649	1/4	94,599
1/2		1/2		1/2	199,531	1/2	184,531	1/2	169,513	1/2	154,469	1/2	139,424	1/2	124,380	1/2	109,336	1/2	94,286
3/4		3/4		3/4	199,219	3/4	184,218	3/4	169,200	3/4	154,155	3/4	139,111	3/4	124,067	3/4	109,022	3/4	93,972
7		7		7	198,906	7	183,906	7	168,886	7	153,842	7	138,798	7	123,753	7	108,709	7	93,658
1/4		1/4		1/4	198,594	1/4	183,593	1/4	168,573	1/4	153,528	1/4	138,484	1/4	123,440	1/4	108,395	1/4	93,345
1/2		1/2		1/2	198,281	1/2	183,281	1/2	168,259	1/2	153,215	1/2	138,171	1/2	123,126	1/2	108,082	1/2	93,031
3/4		3/4		3/4	197,969	3/4	182,968	3/4	167,946	3/4	152,902	3/4	137,857	3/4	122,813	3/4	107,768	3/4	92,718
8		8		8	197,656	8	182,656	8	167,633	8	152,588	8	137,544	8	122,499	8	107,455	8	92,404
1/4		1/4	211,292	1/4	197,344	1/4	182,343	1/4	167,319	1/4	152,275	1/4	137,230	1/4	122,186	1/4	107,141	1/4	92,091
1/4		1/4	211,292	1/4	197,344	1/4	182,031	1/4	167,319	1/4	151,961	1/4	136,917	1/4	121,873	1/4	107,141	1/4	91,777
3/4		3/4	210,932	3/4	196,719	3/4	181,718	3/4	166,692	3/4	151,961	3/4	136,604	3/4	121,559	3/4	106,514	3/4	91,463
3/4 9		3/4 9	210,932	3/4 9		3/4 9	181,406	3/4 9		3/4 9	151,046	3/4 9	136,604	3/4 9	121,339	3/4 9		3/4 9	91,463
_		_		-	196,406	-		-	166,379	-				-		-	106,201	Ť	
1/4		1/4	210,572	1/4	196,094	1/4	181,093	1/4	166,065	1/4	151,021	1/4	135,977	1/4	120,932	1/4	105,887	1/4	90,836
1/2		1/2	210,340	1/2	195,781	1/2	180,781	1/2	165,752	1/2	150,708	1/2	135,663	1/2	120,619	1/2	105,574	1/2	90,523
3/4		3/4	210,108	3/4	195,469	3/4	180,468	3/4	165,439	3/4	150,394	3/4	135,350	3/4	120,306	3/4	105,260	3/4	90,209
10		10	209,876	10	195,156	10	180,156	10	165,125	10	150,081	10	135,036	10	119,992	10	104,947	10	89,896
1/4		1/4	209,644	1/4	194,844	1/4	179,843	1/4	164,812	1/4	149,767	1/4	134,723	1/4	119,679	1/4	104,633	1/4	89,582
1/2		1/2	209,363	1/2	194,531	1/2	179,531	1/2	164,498	1/2	149,454	1/2	134,410	1/2	119,365	1/2	104,319	1/2	89,269
3/4		3/4	209,083	3/4	194,219	3/4	179,218	3/4	164,185	3/4	149,141	3/4	134,096	3/4	119,052	3/4	104,006	3/4	88,955
11		11	208,802	11	193,906	11	178,906	11	163,871	11	148,827	11	133,783	11	118,738	11	103,692	11	88,641
1/4		1/4	208,522	1/4	193,594	1/4	178,593	1/4	163,558	1/4	148,514	1/4	133,469	1/4	118,425	1/4	103,379	1/4	88,328
		1/2	208,215	1/2	193,281	1/2	178,281	1/2	163,245	1/2	148,200	1/2	133,156	1/2	118,112	1/2	103,065	1/2	88,014
1/2																			

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.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



1 PORT ULLAGE TABLE

GAUGE HEIGHT 15'-11 1/4"

CAPAC	ITIES GIVEN IN WHO	LE GALL	ONS.														GAUGE HEI	GHT	15'-11 1/4"
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	87,387	0	72,336	0	57,335	0	42,340	0	27,289	0	12,382	0		0		0		0	
1/4	87,074	1/4	72,023	1/4	57,024	1/4	42,026	1/4	26,976	1/4	12,084	1/4		1/4		1/4		1/4	
1/2	86,760	1/2	71,709	1/2	56,713	1/2	41,713	1/2	26,662	1/2	11,789	1/2		1/2		1/2		1/2	
3/4	86,447	3/4	71,396	3/4	56,402	3/4	41,399	3/4	26,349	3/4	11,495	3/4		3/4		3/4		3/4	
1	86,133	1	71,082	1	56,091	1	41,085	1	26,035	1	11,201	1		1		1		1	
1/4	85,819	1/4	70,769	1/4	55,780	1/4	40,772	1/4	25,722	1/4	10,907	1/4		1/4		1/4		1/4	
1/2	85,506	1/2	70,455	1/2	55,468	1/2	40,458	1/2	25,408	1/2	10,616	1/2		1/2		1/2		1/2	
3/4	85,192	3/4	70,141	3/4	55,157	3/4	40,145	3/4	25,094	3/4	10,326	3/4		3/4		3/4		3/4	
2	84,879	2	69,828	2	54,846	2	39,831	2	24,781	2	10,035	2		2		2		2	
1/4	84,565	1/4	69,514	1/4	54,535	1/4	39,518	1/4	24,467	1/4	9,745	1/4		1/4		1/4		1/4	
1/2	84,252	1/2	69,201	1/2	54,224	1/2	39,204	1/2	24,154	1/2	9,458	1/2		1/2		1/2		1/2	
3/4	83,938	3/4	68,887	3/4	53,912	3/4	38,891	3/4	23,840	3/4	9,172	3/4		3/4		3/4		3/4	
3	83,624	3	68,574	3	53,601	3	38,577	3	23,527	3	8,885	3		3		3		3	
1/4	83,311	1/4	68,260	1/4	53,290	1/4	38,264	1/4	23,213	1/4	8,599	1/4		1/4		1/4		1/4	
1/2	82,997	1/2	67,947	1/2	52,979	1/2	37,950	1/2	22,900	1/2	8,316	1/2		1/2		1/2		1/2	
3/4	82,684	3/4	67,633	3/4	52,667	3/4	37,636	3/4	22,586	3/4	8,034	3/4		3/4		3/4		3/4	-
4	82,370	4	67,319	4	52,356	4	37,323	4	22,272	4	7,751	4		4		4		4	
1/4	82,057	1/4	67,006	1/4	52,044	1/4	37,009	1/4	21,959	1/4	7,468	1/4		1/4		1/4		1/4	
1/2	81,743	1/2	66,692	1/2	51,732	1/2	36,696	1/2	21,645	1/2	7,189	1/2		1/2		1/2		1/2	
3/4	81,430	3/4	66,379	3/4	51,421	3/4	36,382	3/4	21,332	3/4	6,911	3/4		3/4		3/4		3/4	
5	81,116	5	66,065	5	51,109	5	36,069	5	21,018	5	6,632	5		5		5		5	
1/4	80,802	1/4	65,752	1/4	50,797	1/4	35,755	1/4	20,705	1/4	6,353	1/4		1/4		1/4		1/4	
1/2	80,489	1/2	65,438	1/2	50,485	1/2	35,442	1/2	20,391	1/2	6,078	1/2		1/2		1/2		1/2	
3/4	80,175	3/4	65,125	3/4	50,173	3/4	35,128	3/4	20,078	3/4	5,803	3/4		3/4		3/4		3/4	
6	79,862	6	64,811	6	49,861	6	34,814	6	19,764	6	5,528	6		6		6		6	
1/4	79.548	1/4	64,498	1/4	49,548	1/4	34,501	1/4	19,451	1/4	5,253	1/4		1/4		1/4		1/4	-
1/2	79,235	1/2	64,186	1/2	49,236	1/2	34,187	1/2	19,137	1/2	4,982	1/2		1/2		1/2		1/2	
3/4	78,921	3/4	63,873	3/4	48,923	3/4	33,874	3/4	18,823	3/4	4,711	3/4		3/4		3/4		3/4	-
7	78,608	7	63,561	7	48,610	7	33,560	7	18,510	7	4,440	7		7		7		7	-
1/4	78,294	1/4	63,249	1/4	48,297	1/4	33,247	1/4	18,196	1/4	4,169	1/4		1/4		1/4		1/4	
1/2	77,980	1/2	62,937	1/2	47,984	1/2	32,933	1/2	17,884	1/2	3,902	1/2		1/2		1/2		1/2	
3/4	77,667	3/4	62,626	3/4	47,670	3/4	32,620	3/4	17,571	3/4	3,635	3/4		3/4		3/4		3/4	
8	77,353	8	62,315	8	47,356	8	32,306	8	17,259	8	3,368	8		8		8		8	
1/4	77,040	1/4	62,003	1/4	47.043	1/4	31,993	1/4	16,946	1/4	3,101	1/4		1/4		1/4		1/4	
1/2	76,726	1/2	61,692	1/2	46,729	1/2	31,679	1/2	16,636	1/2	2,839	1/2		1/2		1/2		1/2	
3/4	76,413	3/4	61,381	3/4	46,416	3/4	31,365	3/4	16,327	3/4	2,576	3/4		3/4		3/4		3/4	
9	76,099	9	61,070	9	46,102	9	31,052	9	16,017	9	2,314	9		9		9		9	
1/4	75,785	1/4	60.758	1/4	45,789	1/4	30,738	1/4	15,707	1/4	2.051	1/4		1/4		1/4		1/4	
1/4	75,472	1/2	60,447	1/2	45,475	1/4	30,425	1/4	15,401	1/2	1,812	1/2		1/2		1/2		1/2	
3/4	75,158	3/4	60,136	3/4	45,162	3/4	30,423	3/4	15,096	3/4	1,573	3/4		3/4		3/4		3/4	
10	74,845	10	59,825	10	44,848	10	29,798	10	14,790	10	1,334	10		10		10		10	
1/4	74,531	1/4	59,514	1/4	44,535	1/4	29,484	1/4	14,484	1/4	1,095	1/4		1/4		1/4		1/4	
1/4	74,331	1/4	59,203	1/4	44,333	1/4	29,464	1/4	14,182	1/4	918	1/4		1/4		1/4		1/4	
3/4	73,904	3/4	58,891	3/4	43,907	3/4	28,857	3/4	13,880	3/4	740	3/4		3/4		3/4		3/4	
11	73,591	11	58,580	11	43,594	11	28,543	11	13,578	11	563	11		3/4 11		11		3/4	
\vdash	73,277	\vdash	58,269	-	43,394	-	28,230	_	13,276	\vdash	386	1/4		1/4		1/4		1/4	
1/4	72,963	1/4	57,958	1/4	43,280	1/4	27,916	1/4	12,978	1/4	300								
1/2 3/4	72,963	1/2 3/4	57,956	3/4	42,967	1/2 3/4	27,603	1/2 3/4	12,978	3/4		1/2 3/4		1/2 3/4		1/2 3/4		1/2 3/4	
3/4	12,030	3/4	31,041	3/4	42,033	3/4	21,003	3/4	12,000	3/4		3/4		3/4			ADT EOD THE ADO		

STRAPPED: 08/06/2013 SW CALCULATED: 08/06/2013 CL PRINTED: 08/06/2013 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The Jacame



1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/4"

JAPAC	ITIES GIVEN IN WHOLE GA															GAUGE H		
IN	0 FT.	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	207,647	0	192,704	0	177,707	0	162,673	0	147,632	0	132,592	0	117,551	0	102,509
1/4	1/4		1/4	207,341	1/4	192,391	1/4	177,395	1/4	162,360	1/4	147,319	1/4	132,278	1/4	117,238	1/4	102,195
1/2	1/2		1/2	207,031	1/2	192,079	1/2	177,082	1/2	162,046	1/2	147,006	1/2	131,965	1/2	116,925	1/2	101,882
3/4	3/4		3/4	206,721	3/4	191,767	3/4	176,770	3/4	161,733	3/4	146,692	3/4	131,652	3/4	116,611	3/4	101,568
1	1		1	206,411	1	191,454	1	176,457	1	161,419	1	146,379	1	131,338	1	116,298	1	101,255
_							-		-					•			_	
1/4	1/4		1/4	206,101	1/4	191,142	1/4	176,145	1/4	161,106	1/4	146,065	1/4	131,025	1/4	115,985	1/4	100,941
1/2	1/2		1/2	205,791	1/2	190,829	1/2	175,832	1/2	160,793	1/2	145,752	1/2	130,712	1/2	115,671	1/2	100,628
3/4	3/4	<u> </u>	3/4	205,480	3/4	190,517	3/4	175,519	3/4	160,479	3/4	145,439	3/4	130,398	3/4	115,358	3/4	100,314
2	2		2	205,170	2	190,204	2	175,206	2	160,166	2	145,125	2	130,085	2	115,045	2	100,001
1/4	1/4		1/4	204,860	1/4	189,892	1/4	174,893	1/4	159,853	1/4	144,812	1/4	129,772	1/4	114,731	1/4	99,687
1/2	1/2		1/2	204,549	1/2	189,580	1/2	174,580	1/2	159,539	1/2	144,499	1/2	129,458	1/2	114,418	1/2	99,374
3/4	3/4		3/4	204,239	3/4	189,267	3/4	174,267	3/4	159,226	3/4	144,185	3/4	129,145	3/4	114,105	3/4	99,060
3	3		3	203,928	3	188,955	3	173,953	3	158,913	3	143,872	3	128,832	3	113,791	3	98,747
1/4	1/4		1/4	203,618	1/4	188,642	1/4	173,640	1/4	158,599	1/4	143,559	1/4	128,518	1/4	113,478	1/4	98,433
1/2	1/2		1/2	203,307	1/2	188,330	1/2	173,327	1/2	158,286	1/2	143,245	1/2	128,205	1/2	113,164	1/2	98,120
3/4	3/4		3/4	202,997	3/4	188,017	3/4	173,013	3/4	157,973	3/4	142,932	3/4	127,892	3/4	112,851	3/4	97,806
4	4	1	4	202,687	4	187,705	4	172,700	4	157,659	4	142,619	4	127,578	4	112,538	4	97,493
1/4	1/4		1/4	202,376	1/4	187,393	1/4	172,787	1/4	157,346	1/4	142,305	1/4	127,265	1/4	112,330	1/4	97,179
	1/4	+		202,066	_	187,080		172,073		157,033		141,992	1/4	126,952	1/4	111,911	1/4	96,866
1/2		-	1/2	,	1/2		1/2		1/2		1/2							96,553
3/4	3/4		3/4	201,756	3/4	186,768	3/4	171,760	3/4	156,719	3/4	141,679	3/4	126,638	3/4	111,598	3/4	
5			5	201,446	5	186,455	5	171,447	5	156,406	5	141,365	5	126,325	5	111,284	5	96,239
1/4	1/4		1/4	201,135	1/4	186,143	1/4	171,133	1/4	156,093	1/4	141,052	1/4	126,011	1/4	110,971	1/4	95,926
1/2	1/2		1/2	200,824	1/2	185,830	1/2	170,820	1/2	155,779	1/2	140,739	1/2	125,698	1/2	110,658	1/2	95,612
3/4	3/4		3/4	200,513	3/4	185,518	3/4	170,507	3/4	155,466	3/4	140,425	3/4	125,385	3/4	110,344	3/4	95,299
6	6		6	200,201	6	185,205	6	170,193	6	155,153	6	140,112	6	125,071	6	110,031	6	94,985
1/4	1/4		1/4	199,890	1/4	184,893	1/4	169,880	1/4	154,839	1/4	139,799	1/4	124,758	1/4	109,718	1/4	94,672
1/2	1/2		1/2	199,577	1/2	184,581	1/2	169,566	1/2	154,526	1/2	139,485	1/2	124,445	1/2	109,404	1/2	94,358
3/4	3/4		3/4	199,265	3/4	184,268	3/4	169,253	3/4	154,213	3/4	139,172	3/4	124,131	3/4	109,091	3/4	94,045
7	7		7	198,953	7	183,956	7	168,940	7	153,899	7	138,859	7	123,818	7	108,778	7	93,731
1/4	1/4		1/4	198,640	1/4	183,643	1/4	168,626	1/4	153,586	1/4	138,545	1/4	123,505	1/4	108,464	1/4	93,418
1/2	1/2		1/2	198,328	1/2	183,331	1/2	168,313	1/2	153,272	1/2	138,232	1/2	123,191	1/2	108,151	1/2	93,104
3/4	3/4		3/4	198,015	3/4	183,018	3/4	168,000	3/4	152,959	3/4	137,918	3/4	122,878	3/4	107,838	3/4	92,791
8	8		8	197,703	8	182,706	8	167,686	8	152,646	8	137,605	8	122,565	8	107,524	8	92,477
1/4	1/4	211,335		197,390	1/4	182,394	1/4	167,373	1/4	152,332	1/4	137,292	1/4	122,251	1/4	107,211	1/4	92,164
1/2	1/4	211,155		197,078	1/2	182,081	1/2	167,060	1/2	152,019	1/2	136,978	1/2	121,938	1/2	106,897	1/4	91.850
				- /														- ,
3/4 9	3/4 9	210,975		196,765	3/4 9	181,769	3/4 9	166,746	3/4 9	151,706	3/4 9	136,665	3/4 9	121,625	3/4 9	106,584	3/4 9	91,537 91,223
-		210,796		196,453	-	181,456	$oldsymbol{}$	166,433	-	151,392	-	136,352		121,311		106,270	-	
1/4	1/4	210,616		196,141	1/4	181,144	1/4	166,120	1/4	151,079	1/4	136,038	1/4	120,998	1/4	105,957	1/4	90,910
1/2	1/2	210,384		195,828	1/2	180,831	1/2	165,806	1/2	150,766	1/2	135,725	1/2	120,685	1/2	105,643	1/2	90,596
3/4	3/4	210,152		195,516	3/4	180,519	3/4	165,493	3/4	150,452	3/4	135,412	3/4	120,371	3/4	105,330	3/4	90,283
10	10	209,920) 10	195,203	10	180,207	10	165,180	10	150,139	10	135,098	10	120,058	10	105,016	10	89,969
1/4	1/4	209,688	1/4	194,891	1/4	179,894	1/4	164,866	1/4	149,826	1/4	134,785	1/4	119,745	1/4	104,703	1/4	89,656
1/2	1/2	209,407	1/2	194,578	1/2	179,582	1/2	164,553	1/2	149,512	1/2	134,472	1/2	119,431	1/2	104,389	1/2	89,343
3/4	3/4	209,126	3/4	194,266	3/4	179,269	3/4	164,240	3/4	149,199	3/4	134,158	3/4	119,118	3/4	104,076	3/4	89,029
11	11	208,846) 11	193,954	11	178,957	11	163,926	11	148,886	11	133,845	11	118,805	11	103,762	11	88,716
1/4	1/4	208,565		193,641	1/4	178,644	1/4	163,613	1/4	148,572	1/4	133,532	1/4	118,491	1/4	103,449	1/4	88,402
1/2	1/2	208,259		193,329	1/2	178,332	1/2	163,300	1/2	148,259	1/2	133,218	1/2	118,178	1/2	103,136	1/2	88,089
3/4	3/4	200,253		193,016	3/4	178,020	3/4	162,986	3/4	147,946	3/4	132,905	3/4	117,865	3/4	103,130	3/4	87,775
3/4	3/4	201,330	J/4	193,010	3/4	170,020	3/4	102,300	3/4	171,370	3/4	132,303	3/4			T FOR THE A		

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.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



1 STBD **ULLAGE TABLE**

CAPACI	TIES GIVEN IN WHO	OLE GALL														GAUGE HE		
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT . ℕ	18 FT.	IN	19 FT.
0	87,462	0	72,415	0	57,371	0	42,329	0	27,282	0	12,379	0		0	0		0	
1/4	87,148	1/4	72,101	1/4	57,058	1/4	42,015	1/4	26,969	1/4	12,081	1/4	•	1/4	1/4		1/4	
1/2	86,835	1/2	71,788	1/2	56,745	1/2	41,702	1/2	26,655	1/2	11,786	1/2		1/2	1/2		1/2	
3/4	86,521	3/4	71,474	3/4	56,432	3/4	41,388	3/4	26,342	3/4	11,492	3/4		3/4	3/4		3/4	
1	86,208	1	71,161	1	56,118	1	41,075	1	26,028	1	11,198	1		1	1		1	
1/4	85,894	1/4	70,847	1/4	55,805	1/4	40,761	1/4	25,715	1/4	10,904	1/4		1/4	1/4		1/4	
1/2	85,581	1/2	70,534	1/2	55,492	1/2	40,448	1/2	25,401	1/2	10,613	1/2		1/2	1/2		1/2	
3/4	85,267	3/4	70,220	3/4	55,179	3/4	40,134	3/4	25,088	3/4	10,323	3/4		3/4	3/4		3/4	
2	84,954	2	69,907	2	54,865	2	39,821	2	24,774	2	10,033	2		2	2		2	
1/4	84,640	1/4	69,593	1/4	54,552	1/4	39,507	1/4	24,461	1/4	9,743	1/4	-	1/4	1/4		1/4	
1/2	84,327	1/2	69,280	1/2	54,239	1/2	39,194	1/2	24,148	1/2	9,456	1/2		1/2	1/2		1/2	
3/4	84,013	3/4	68,967	3/4	53,926	3/4	38,880	3/4	23,834	3/4	9,170	3/4		3/4	3/4		3/4	
3	83,700	3	68,653	3	53,612	3	38,567	3	23,521	3	8,883	3		3	3		3	
1/4	83,386	1/4	68,340	1/4	53,299	1/4	38,254	1/4	23,207	1/4	8,597	1/4		1/4	1/4		1/4	-
1/2	83,073	1/2	68,026	1/2	52,986	1/2	37,940	1/2	22,894	1/2	8,314	1/2		1/2	1/2		1/2	
3/4	82,760	3/4	67,713	3/4	52,673	3/4	37,627	3/4	22,580	3/4	8,032	3/4		3/4	3/4		3/4	
4	82,446	4	67,399	4	52,359	4	37,313	4	22,267	4	7,749	4		4	4		4	
1/4	82,133	1/4	67,086	1/4	52,046	1/4	37,000	1/4	21,953	1/4	7,466	1/4		1/4	1/4		1/4	
1/2	81,819	1/2	66,772	1/2	51,733	1/2	36,686	1/2	21,640	1/2	7,188	1/2		1/2	1/2		1/2	
3/4	81,506	3/4	66,459	3/4	51,419	3/4	36,373	3/4	21,326	3/4	6,909	3/4		3/4	3/4		3/4	
5	81,192	5	66,145	5	51,106	5	36,059	5	21,013	5	6,630	5		5	5	_	5	
1/4	80,879	1/4	65,832	1/4	50,792	1/4	35,746	1/4	20,699	1/4	6,351	1/4		1/4	1/4		1/4	
1/2	80,565	1/2	65,518	1/2	50,479	1/2	35,432	1/2	20,386	1/2	6,077	1/2		1/2	1/2		1/2	
3/4	80,252	3/4	65,205	3/4	50,165	3/4	35,119	3/4	20,072	3/4	5,802	3/4		3/4	3/4		3/4	
6	79,938	6	64,891	6	49,852	6	34,805	6	19,759	6	5,527	6		6	6		6	
1/4	79,625	1/4	64,578	1/4	49,538	1/4	34,492	1/4	19,446	1/4	5,252	1/4		1/4	1/4		1/4	
1/2	79,311	1/2	64,264	1/2	49,225	1/2	34,178	1/2	19,132	1/2	4,981	1/2		1/2	1/2		1/2	
3/4	78,998	3/4	63,951	3/4	48,911	3/4	33,865	3/4	18,819	3/4	4,710	3/4		3/4	3/4		3/4	
7	78,684	7	63,637	7	48,598	7	33,552	7	18,505	7	4,439	7		7	7	_	7	
1/4	78,371	1/4	63,324	1/4	48,285	1/4	33,238	1/4	18,192	1/4	4,168	1/4		1/4	1/4		1/4	
1/2	78,057	1/2	63,011	1/2	47,971	1/2	32,925	1/2	17,879	1/2	3,901	1/2		1/4	1/2		1/4	
3/4	77,744	3/4	62,697	3/4	47,658	3/4	32,611	3/4	17,567	3/4	3,634	3/4		3/4	3/4		3/4	
8	77,430	8	62,384	8	47,344	8	32,298	8	17,254	8	3,367	8		8	8		8	
_	77,117	1/4	62,070	1/4	47,031		31,984	1/4	16,942	1/4	3,100	1/4		1/4	1/4	+	1/4	
1/4	76,803	1/4	61,757		46,717	1/4	31,964		16,632	1/4	2,838	1/4					1/4	
1/2 3/4	76,490	3/4	61,444	1/2 3/4	46,404	1/2 3/4	31,357	1/2 3/4	16,322	3/4	2,576	3/4		1/2 3/4	1/2		3/4	
9	76,177	9	61,130	9	46,090	9	31,044	9	16,013	9	2,313	9		9	9	_	9	
\rightarrow	75,863	-	60,817	-	45,777	-	30,730	1/4	15,703	\vdash	2,051	1/4					_	
1/4	75,550	1/4	60,504	1/4	45,777	1/4	30,730		15,703	1/4	1,812			1/4	1/4		1/4	
1/2 3/4	75,236	1/2 3/4	60,304	1/2 3/4	45,463	1/2 3/4	30,417	1/2 3/4	15,092	1/2 3/4	1,573	1/2 3/4		1/2 3/4	1/2		1/2 3/4	
3/4 10	74,923	3/4 10	59,877	3/4 10	44,836	3/4 10	29,790	3/4	14,786	3/4	1,334	3/4 10	1	3/4 10	3/4		3/4 10	
\rightarrow		-		\rightarrow		-				-		$oldsymbol{+}$					-	
1/4	74,609	1/4	59,564	1/4	44,523	1/4	29,476	1/4	14,480	1/4	1,095	1/4		1/4	1/4		1/4	
1/2	74,296	1/2	59,251	1/2	44,209	1/2	29,163	1/2	14,178	1/2	918 740	1/2		1/2	1/2		1/2	
3/4	73,982	3/4	58,938	3/4	43,896	3/4	28,850	3/4	13,876	3/4		3/4	1	3/4	3/4	_	3/4	
11	73,669	11	58,624	11	43,583	11	28,536	11	13,575	11	563	11		11	11		11	
1/4	73,355	1/4	58,311	1/4	43,269	1/4	28,223	1/4	13,273	1/4	386	1/4		1/4	1/4		1/4	
1/2	73,042	1/2	57,998	1/2	42,956	1/2	27,909	1/2	12,975	1/2		1/2		1/2	1/2		1/2	
3/4	72,728	3/4	57,685	3/4	42,642	3/4	27,596	3/4	12,677	3/4		3/4		3/4	3/4	HART FOR THE ABO	3/4	

STRAPPED: 08/06/2013 SW CALCULATED: 08/06/2013 CL PRINTED: 08/06/2013 CL

CANCELS AND SUPERCEDES **ALL PRIOR TO 08/2013**

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/2"

	TIES GIVEN IN WHO			1 1	^ FT	1	0 FT	1 1	4 55	1 1		1 1	A FT	1 1	- FT	1 1	GAUGE HE		
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	210,066	0	195,102	0	180,055	0	164,966	0	149,868	0	134,770	0	119,671	0	104,571
1/4		1/4		1/4	209,760	1/4	194,789	1/4	179,742	1/4	164,651	1/4	149,553	1/4	134,455	1/4	119,357	1/4	104,256
1/2		1/2		1/2	209,453	1/2	194,475	1/2	179,428	1/2	164,337	1/2	149,239	1/2	134,140	1/2	119,042	1/2	103,941
3/4		3/4		3/4	209,143	3/4	194,162	3/4	179,115	3/4	164,022	3/4	148,924	3/4	133,826	3/4	118,728	3/4	103,627
1		1		1	208,833	1	193,848	1	178,801	1	163,707	1	148,609	1	133,511	1	118,413	1	103,312
1/4		1/4		1/4	208,523	1/4	193,535	1/4	178,488	1/4	163,393	1/4	148,295	1/4	133,197	1/4	118,099	1/4	102,997
1/2		1/2		1/2	208,213	1/2	193,221	1/2	178,174	1/2	163,078	1/2	147,980	1/2	132,882	1/2	117,784	1/2	102,683
3/4		3/4		3/4	207,903	3/4	192,908	3/4	177,860	3/4	162,764	3/4	147,666	3/4	132,568	3/4	117,470	3/4	102,368
2		2		2	207,592	2	192,594	2	177,546	2	162,449	2	147,351	2	132,253	2	117,155	2	102,053
1/4		1/4		1/4	207,282	1/4	192,281	1/4	177,232	1/4	162,135	1/4	147,037	1/4	131,939	1/4	116,841	1/4	101,739
1/2		1/2		1/2	206,972	1/2	191,967	1/2	176,918	1/2	161,820	1/2	146,722	1/2	131,624	1/2	116,526	1/2	101,424
3/4		3/4		3/4	206,661	3/4	191,654	3/4	176,604	3/4	161,506	3/4	146,408	3/4	131,310	3/4	116,211	3/4	101,109
3		3		3	206,350	3	191,340	3	176,289	3	161,191	3	146,093	3	130,995	3	115,897	3	100,794
1/4		1/4		1/4	206,040	1/4	191,027	1/4	175,975	1/4	160,877	1/4	145,779	1/4	130,680	1/4	115,582	1/4	100,480
1/2		1/2		1/2	205,729	1/4	190,713	1/2	175,660	1/2	160,562	1/2	145,464	1/2	130,366	1/2	115,362	1/2	100,165
3/4		3/4		3/4	205,419	3/4	190,400	3/4	175,346	3/4	160,362	3/4	145,149	3/4	130,051	3/4	114,953	3/4	99,850
4		4		4	205,109	4	190,086	4	175,031	4	159,933	4	144,835	4	129,737	4	114,639	4	99,536
$\overline{}$		\leftarrow		_	203,109	_	189,773	\longrightarrow	174,716	lacksquare	159,933	-	144,520	-	129,737	-	114,839	-	99,221
1/4		1/4		1/4		1/4		1/4		1/4		1/4	144,520	1/4		1/4	114,324	1/4	98,906
1/2		1/2		1/2	204,488	1/2	189,459	1/2	174,402	1/2	159,304	1/2		1/2	129,108	1/2		1/2	
3/4 5		3/4 5		3/4 5	204,177	3/4	189,146	3/4 5	174,087	3/4 5	158,989	3/4 5	143,891	3/4	128,793	3/4 5	113,695	3/4 5	98,592
_		-		_	203,867	-	188,832	-	173,773	-	158,675	-	143,577	-	128,479	-	113,381	-	98,277
1/4		1/4		1/4	203,557	1/4	188,519	1/4	173,458	1/4	158,360	1/4	143,262	1/4	128,164	1/4	113,066	1/4	97,962
1/2		1/2		1/2	203,246	1/2	188,206	1/2	173,144	1/2	158,046	1/2	142,948	1/2	127,850	1/2	112,752	1/2	97,647
3/4		3/4		3/4	202,934	3/4	187,892	3/4	172,829	3/4	157,731	3/4	142,633	3/4	127,535	3/4	112,437	3/4	97,333
6		6		6	202,622	6	187,579	6	172,515	6	157,417	6	142,319	6	127,220	6	112,122	6	97,018
1/4		1/4		1/4	202,310	1/4	187,265	1/4	172,200	1/4	157,102	1/4	142,004	1/4	126,906	1/4	111,808	1/4	96,703
1/2		1/2		1/2	201,998	1/2	186,952	1/2	171,886	1/2	156,788	1/2	141,689	1/2	126,591	1/2	111,493	1/2	96,389
3/4		3/4		3/4	201,685	3/4	186,638	3/4	171,571	3/4	156,473	3/4	141,375	3/4	126,277	3/4	111,179	3/4	96,074
7		7		7	201,372	7	186,325	7	171,257	7	156,158	7	141,060	7	125,962	7	110,864	7	95,759
1/4		1/4		1/4	201,058	1/4	186,011	1/4	170,942	1/4	155,844	1/4	140,746	1/4	125,648	1/4	110,550	1/4	95,445
1/2		1/2		1/2	200,745	1/2	185,698	1/2	170,627	1/2	155,529	1/2	140,431	1/2	125,333	1/2	110,235	1/2	95,130
3/4		3/4		3/4	200,431	3/4	185,384	3/4	170,313	3/4	155,215	3/4	140,117	3/4	125,019	3/4	109,921	3/4	94,815
8		8	·	8	200,118	8	185,071	8	169,998	8	154,900	8	139,802	8	124,704	8	109,606	8	94,500
1/4		1/4	·	1/4	199,804	1/4	184,757	1/4	169,684	1/4	154,586	1/4	139,488	1/4	124,390	1/4	109,291	1/4	94,186
1/2		1/2	213,446	1/2	199,491	1/2	184,444	1/2	169,369	1/2	154,271	1/2	139,173	1/2	124,075	1/2	108,977	1/2	93,871
3/4		3/4	213,266	3/4	199,177	3/4	184,130	3/4	169,055	3/4	153,957	3/4	138,859	3/4	123,761	3/4	108,662	3/4	93,556
9		9	213,087	9	198,864	9	183,817	9	168,740	9	153,642	9	138,544	9	123,446	9	108,347	9	93,242
1/4		1/4	212,907	1/4	198,550	1/4	183,503	1/4	168,426	1/4	153,328	1/4	138,230	1/4	123,131	1/4	108,033	1/4	92,927
1/2		1/2	212,728	1/2	198,237	1/2	183,190	1/2	168,111	1/2	153,013	1/2	137,915	1/2	122,817	1/2	107,718	1/2	92,612
3/4		3/4	212,496	3/4	197,923	3/4	182,876	3/4	167,797	3/4	152,698	3/4	137,600	3/4	122,502	3/4	107,403	3/4	92,298
10		10	212,264	10	197,610	10	182,563	10	167,482	10	152,384	10	137,286	10	122,188	10	107,088	10	91,983
1/4		1/4	212,033	1/4	197,296	1/4	182,250	1/4	167,167	1/4	152,069	1/4	136,971	1/4	121,873	1/4	106,774	1/4	91,668
1/2		1/2	211,801	1/2	196,983	1/2	181,936	1/2	166,853	1/2	151,755	1/2	136,657	1/2	121,559	1/2	106,459	1/2	91,353
3/4		3/4	211,520	3/4	196,669	3/4	181,623	3/4	166,538	3/4	151,440	3/4	136,342	3/4	121,244	3/4	106,144	3/4	91,039
11		11	211,240	11	196,356	11	181,309	11	166,224	11	151,126	11	136,028	11	120,930	11	105,830	11	90,724
_		1/4	210,959	1/4	196,042	1/4	180,996	1/4	165,909	1/4	150,811	1/4	135,713	1/4	120,615	1/4	105,535	1/4	90,409
1/4			-				,						135,713				105,315		90,409
1/2		1/2 3/4	210,679	1/2 3/4	195,729 195,415	1/2	180,682 180,369	1/2 3/4	165,595	1/2 3/4	150,497 150,182	1/2 3/4	135,399	1/2 3/4	120,301 119,986	1/2 3/4	105,200	1/2 3/4	89,780
3/4		3/4	210,372	3/4	190,410	3/4	100,309	3/4	165,280	3/4	100,102	3/4	133,004	3/4			RT FOR THE ABO		

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.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

http://www.pmacorp.net



2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/2"

PACI	IES GIVEN IN WH	OLE GALLO													GAUGE HEIGHT	
N	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. N	17 FT. ℕ	18 FT . ℕ	19 FT.
0	89,465	0	74,360	0	59,490	0	44,967	0	30,211	0	15,108	0	0	0	0	
/4	89,151	1/4	74,045	1/4	59,187	1/4	44,666	1/4	29,897	1/4	14,794	1/4	1/4	1/4	1/4	-
2	88,836	1/2	73,730	1/2	58,884	1/2	44,364	1/2	29,582	1/2	14,479	1/2	1/2	1/2	1/2	
4	88,521	3/4	73,415	3/4	58,581	3/4	44,062	3/4	29,268	3/4	14,164	3/4	3/4	3/4	3/4	
T	88,206	1	73,101	1	58,278	1	43,760	1	28,953	1	13,850	1	1	1	1	
4	87,892	1/4	72,786	1/4	57,975	1/4	43,458	1/4	28,639	1/4	13,535	1/4	1/4	1/4	1/4	
2	87,577	1/2	72,471	1/2	57,672	1/2	43,156	1/2	28,324	1/2	13,220	1/2	1/2	1/2	1/2	
4	87,262	3/4	72,157	3/4	57,370	3/4	42,854	3/4	28,010	3/4	12,906	3/4	3/4	3/4	3/4	
1	86,948	2	71,842	2	57,067	2	42,552	2	27,695	2	12,591	2	2	2	2	
	86,633	1/4	71,527	1/4	56,764	1/4	42,250	1/4	27,381	1/4	12,276	1/4	1/4	1/4	1/4	
_	86,318	1/2	71,327	1/2	56,461		41,948	1/2	27,066	1/2	11,961			1/4	1/4	
!	86.004	3/4	70,898	3/4	56,158	1/2 3/4	41,646	3/4	26,752	3/4	11,647	1/2 3/4	1/2	3/4	3/4	
1				3/4		_		_		_		_	3/4	3/4		
-	85,689	3	70,583	lacksquare	55,855	3	41,344	3	26,437	3	11,332	3			3	
	85,374	1/4	70,268	1/4	55,552	1/4	41,042	1/4	26,123	1/4	11,017	1/4	1/4	1/4	1/4	
	85,059	1/2	69,954	1/2	55,249	1/2	40,740	1/2	25,808	1/2	10,703	1/2	1/2	1/2	1/2	
	84,745	3/4	69,639	3/4	54,946	3/4	40,438	3/4	25,493	3/4	10,388	3/4	3/4	3/4	3/4	
4	84,430	4	69,324	4	54,643	4	40,136	4	25,179	4	10,073	4	4	4	4	
	84,115	1/4	69,010	1/4	54,341	1/4	39,834	1/4	24,864	1/4	9,759	1/4	1/4	1/4	1/4	
	83,801	1/2	68,695	1/2	54,038	1/2	39,532	1/2	24,549	1/2	9,444	1/2	1/2	1/2	1/2	
Ц	83,486	3/4	68,380	3/4	53,735	3/4	39,230	3/4	24,234	3/4	9,129	3/4	3/4	3/4	3/4	
	83,171	5	68,066	5	53,432	5	38,927	5	23,920	5	8,815	5	5	5	5	
T	82,857	1/4	67,751	1/4	53,129	1/4	38,625	1/4	23,605	1/4	8,500	1/4	1/4	1/4	1/4	•
	82,542	1/2	67,436	1/2	52,826	1/2	38,322	1/2	23,290	1/2	8,185	1/2	1/2	1/2	1/2	
	82,227	3/4	67,121	3/4	52,523	3/4	38,020	3/4	22,976	3/4	7,870	3/4	3/4	3/4	3/4	
	81,912	6	66,807	6	52,220	6	37,717	6	22,661	6	7,556	6	6	6	6	
1	81,598	1/4	66,492	1/4	51,917	1/4	37,414	1/4	22,346	1/4	7,241	1/4	1/4	1/4	1/4	
	81,283	1/2	66,177	1/2	51,614	1/2	37,111	1/2	22,032	1/2	6,926	1/2	1/2	1/2	1/2	
	80,968	3/4	65,869	3/4	51,312	3/4	36,802	3/4	21,717	3/4	6,612	3/4	3/4	3/4	3/4	
T	80,654	7	65,560	7	51,009	7	36,493	7	21,402	7	6,297	7	7	7	7	
1	80,339	1/4	65,251	1/4	50,707	1/4	36,184	1/4	21,088	1/4	5,982	1/4	1/4	1/4	1/4	
	80,024	1/2	64,942	1/2	50,404	1/2	35,876	1/2	20,773	1/2	5,668	1/2	1/2	1/2	1/2	
	79,710	3/4	64,639	3/4	50,102	3/4	35,561	3/4	20,458	3/4	5,353	3/4	3/4	3/4	3/4	
+	79,395	8	64,336	8	49,800	8	35,246	8	20,143	8	5,039	8	8	8	8	
1	79,080	$\overline{}$	64,033	lacksquare	49,498	-	34,932	-	19,829	-	4,724	-				
_	79,060	1/4	63,731	1/4	49,496	1/4	34,932	1/4	19,529	1/4	4,724	1/4	1/4	1/4	1/4	
	-,	1/2				1/2		1/2				1/2	1/2		1/2	
+	78,451	3/4 9	63,428	3/4 9	48,893	3/4	34,302	3/4 9	19,199	3/4 9	4,096	3/4 9	3/4	3/4	3/4	
_	78,136	-	63,125	+	48,591	9	33,988		18,885	\vdash	3,783	-		9		
	77,821	1/4	62,822	1/4	48,289	1/4	33,673	1/4	18,570	1/4	3,469	1/4	1/4	1/4	1/4	
	77,507	1/2	62,519	1/2	47,987	1/2	33,358	1/2	18,255	1/2	3,155	1/2	1/2	1/2	1/2	
+	77,192	3/4	62,216	3/4	47,685	3/4	33,043	3/4	17,941	3/4	2,861	3/4	3/4	3/4	3/4	
┸	76,877	10	61,913	10	47,383	10	32,729	10	17,626	10	2,567	10	10	10	10	
	76,562	1/4	61,610	1/4	47,081	1/4	32,414	1/4	17,311	1/4	2,272	1/4	1/4	1/4	1/4	
	76,248	1/2	61,307	1/2	46,779	1/2	32,099	1/2	16,997	1/2	1,978	1/2	1/2	1/2	1/2	
	75,933	3/4	61,004	3/4	46,477	3/4	31,785	3/4	16,682	3/4	1,742	3/4	3/4	3/4	3/4	
	75,618	11	60,702	11	46,175	11	31,470	11	16,367	11	1,506	11	11	11	11	
ı	75,304	1/4	60,399	1/4	45,873	1/4	31,155	1/4	16,052	1/4	1,270	1/4	1/4	1/4	1/4	
2	74,989	1/2	60,096	1/2	45,571	1/2	30,841	1/2	15,738	1/2	1,034	1/2	1/2	1/2	1/2	
1	74,674	3/4	59,793	3/4	45,269	3/4	30,526	3/4	15,423	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 08/06/2013 SW CALCULATED: 08/06/2013 CL PRINTED: 08/06/2013 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/2"

חו חטו	ITIES GIVEN IN WHO	DLE GALLO															GAUGE HE	IGHI	
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	211,251	0	196,284	0	181,233	0	166,140	0	151,038	0	135,937	0	120,835	0	105,731
1/4		1/4		1/4	210,945	1/4	195,970	1/4	180,920	1/4	165,825	1/4	150,724	1/4	135,622	1/4	120,520	1/4	105,416
1/2		1/2		1/2	210,639	1/2	195,657	1/2	180,606	1/2	165,511	1/2	150,409	1/2	135,307	1/2	120,206	1/2	105,101
3/4		3/4		3/4	210,328	3/4	195,343	3/4	180,292	3/4	165,196	3/4	150,094	3/4	134,993	3/4	119,891	3/4	104,786
1		1		1	210,018	1	195,029	1	179,979	1	164,881	1	149,780	1	134,678	1	119,576	1	104,471
1/4		1/4		1/4	209,708	1/4	194,716	1/4	179,665	1/4	164,567	1/4	149,465	1/4	134,363	1/4	119,262	1/4	104,157
1/2		1/2		1/2	209,398	1/2	194,402	1/2	179,352	1/2	164,252	1/2	149,151	1/2	134,049	1/2	118,947	1/2	103,842
3/4		3/4		3/4	209,088	3/4	194,089	3/4	179,038	3/4	163,938	3/4	148,836	3/4	133,734	3/4	118,632	3/4	103,527
2		2		2	208,777	2	193,775	2	178,724	2	163,623	2	148,521	2	133,420	2	118,318	2	103,212
1/4		1/4		1/4	208,467	1/4	193,462	1/4	178,410	1/4	163,308	1/4	148,207	1/4	133,105	1/4	118,003	1/4	102,898
1/2		1/2		1/2	208,156	1/2	193,148	1/2	178,095	1/2	162,994	1/2	147,892	1/2	132,790	1/2	117,689	1/2	102,583
3/4		3/4		3/4	207,845	3/4	192,835	3/4	177,781	3/4	162,679	3/4	147,577	3/4	132,476	3/4	117,374	3/4	102,268
3		3		3	207,535	3	192,521	3	177,466	3	162,365	3	147,263	3	132,161	3	117,059	3	101,953
1/4		1/4		1/4	207,224	1/4	192,207	1/4	177,152	1/4	162,050	1/4	146,948	1/4	131,846	1/4	116,745	1/4	101,638
1/2		1/2		1/2	206,914	1/2	191,894	1/2	176,837	1/2	161,735	1/2	146,634	1/2	131,532	1/2	116,430	1/2	101,324
3/4		3/4		3/4	206,603	3/4	191,580	3/4	176,522	3/4	161,421	3/4	146,319	3/4	131,217	3/4	116,115	3/4	101,009
4		4		4	206,293	4	191,267	4	176,208	4	161,106	4	146,004	4	130,903	4	115,801	4	100,694
1/4		1/4		1/4	205,982	1/4	190,953	1/4	175,893	1/4	160,791	1/4	145,690	1/4	130,588	1/4	115,486	1/4	100,379
1/2		1/2		1/2	205,672	1/2	190,640	1/2	175,579	1/2	160,477	1/2	145,375	1/2	130,273	1/2	115,172	1/2	100,065
3/4		3/4		3/4	205,361	3/4	190,326	3/4	175,264	3/4	160,162	3/4	145,060	3/4	129,959	3/4	114,857	3/4	99,750
5		5		5	205,051	5	190,013	5	174,949	5	159,848	5	144,746	5	129,644	5	114,542	5	99,435
1/4		1/4		1/4	204,740	1/4	189,699	1/4	174,635	1/4	159,533	1/4	144,431	1/4	129,330	1/4	114,228	1/4	99,120
		1/4		1/4	204,740	1/4	189,385	1/4	174,320	1/4	159,218	1/4	144,117	1/4	129,015	1/4	113,913	1/4	98,805
1/2 3/4		3/4		3/4	204,430	3/4	189,072	3/4	174,005	3/4	158,904	3/4	143,802	3/4	128,700	3/4	113,599	3/4	98,491
6		6		6	203,806	6	188,758	6	173,691	6	158,589	6	143,487	6	128,386	6	113,284	6	98,176
$\overline{}$		-		-	•	-		-	173,376	-	· · · · · · · · · · · · · · · · · · ·	-	•	-	•	-	•	-	,
1/4		1/4		1/4	203,494	1/4	188,445	1/4		1/4	158,274	1/4	143,173	1/4	128,071	1/4	112,969	1/4	97,861
1/2		1/2		1/2	203,182	1/2	188,131	1/2	173,062	1/2	157,960	1/2	142,858	1/2	127,756	1/2	112,655	1/2	97,546
3/4		3/4		3/4	202,868	3/4	187,818	3/4	172,747	3/4	157,645	3/4	142,544	3/4	127,442	3/4	112,340	3/4	97,232
7		7		7	202,555	7	187,504	7	172,432	7	157,331	7	142,229	7	127,127	7	112,025	7	96,917
1/4		1/4		1/4	202,241	1/4	187,191	1/4	172,118	1/4	157,016	1/4	141,914	1/4	126,813	1/4	111,711	1/4	96,602
1/2		1/2		1/2	201,928	1/2	186,877	1/2	171,803	1/2	156,701	1/2	141,600	1/2	126,498	1/2	111,396	1/2	96,287
3/4		3/4		3/4	201,614	3/4	186,564	3/4	171,488	3/4	156,387	3/4	141,285	3/4	126,183	3/4	111,082	3/4	95,972
8		8		8	201,300	8	186,250	8	171,174	8	156,072	8	140,970	8	125,869	8	110,767	8	95,658
1/4		1/4		1/4	200,987	1/4	185,936	1/4	170,859	1/4	155,758	1/4	140,656	1/4	125,554	1/4	110,452	1/4	95,343
1/2		1/2	214,632	1/2	200,673	1/2	185,623	1/2	170,545	1/2	155,443	1/2	140,341	1/2	125,239	1/2	110,137	1/2	95,028
3/4		3/4	214,452	3/4	200,360	3/4	185,309	3/4	170,230	3/4	155,128	3/4	140,027	3/4	124,925	3/4	109,823	3/4	94,713
9		9	214,273	9	200,046	9	184,996	9	169,915	9	154,814	9	139,712	9	124,610	9	109,508	9	94,399
1/4		1/4	214,094	1/4	199,733	1/4	184,682	1/4	169,601	1/4	154,499	1/4	139,397	1/4	124,296	1/4	109,193	1/4	94,084
1/2		1/2	213,914	1/2	199,419	1/2	184,369	1/2	169,286	1/2	154,184	1/2	139,083	1/2	123,981	1/2	108,878	1/2	93,769
3/4		3/4	213,682	3/4	199,106	3/4	184,055	3/4	168,972	3/4	153,870	3/4	138,768	3/4	123,666	3/4	108,564	3/4	93,454
10		10	213,450	10	198,792	10	183,742	10	168,657	10	153,555	10	138,453	10	123,352	10	108,249	10	93,139
1/4		1/4	213,218	1/4	198,478	1/4	183,428	1/4	168,342	1/4	153,241	1/4	138,139	1/4	123,037	1/4	107,934	1/4	92,825
1/2		1/2	212,986	1/2	198,165	1/2	183,114	1/2	168,028	1/2	152,926	1/2	137,824	1/2	122,723	1/2	107,619	1/2	92,510
3/4		3/4	212,706	3/4	197,851	3/4	182,801	3/4	167,713	3/4	152,611	3/4	137,510	3/4	122,408	3/4	107,304	3/4	92,195
11		11	212,425	11	197,538	11	182,487	11	167,398	11	152,297	11	137,195	11	122,093	11	106,990	11	91,880
1/4		1/4	212,145	1/4	197,224	1/4	182,174	1/4	167,084	1/4	151,982	1/4	136,880	1/4	121,779	1/4	106,675	1/4	91,566
1/2		1/2	211,864	1/2	196,911	1/2	181,860	1/2	166,769	1/2	151,667	1/2	136,566	1/2	121,464	1/2	106,360	1/2	91,251
1/2													136,251					_	90,936

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.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/2"

PACII	IES GIVEN IN WH	OLE GALLO													GAUGE HEIGHT	
N	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. N	17 FT. N	18 FT. N	19 FT.
0	90,621	0	75,512	0	60,403	0	45,310	0	30,220	0	15,113	0	0	0	0	
/4	90,306	1/4	75,197	1/4	60,088	1/4	44,996	1/4	29,905	1/4	14,798	1/4	1/4	1/4	1/4	
2	89,992	1/2	74,882	1/2	59,773	1/2	44,683	1/2	29,590	1/2	14,483	1/2	1/2	1/2	1/2	
1	89,677	3/4	74,568	3/4	59,458	3/4	44,369	3/4	29,276	3/4	14,168	3/4	3/4	3/4	3/4	
	89,362	1	74,253	1	59,144	1	44,055	1	28,961	1	13,853	1	1	1	1	
1	89,047	1/4	73,938	1/4	58,829	1/4	43,741	1/4	28,647	1/4	13,539	1/4	1/4	1/4	1/4	
2	88,733	1/2	73,623	1/2	58,514	1/2	43,427	1/2	28,332	1/2	13,224	1/2	1/2	1/2	1/2	
4	88,418	3/4	73,309	3/4	58,199	3/4	43,113	3/4	28,017	3/4	12,909	3/4	3/4	3/4	3/4	
	88,103	2	72,994	2	57,884	2	42,799	2	27,703	2	12,594	2	2	2	2	
	87,788	1/4	72,679	1/4	57,570	1/4	42,486	1/4	27,388	1/4	12,280	1/4	1/4	1/4	1/4	
	87,473	1/2	72,364	1/2	57,255	1/2	42,172	1/2	27,074	1/2	11,965	1/2	1/2	1/2	1/2	
	87,159	3/4	72,049	3/4	56,940	3/4	41,858	3/4	26,759	3/4	11,650	3/4	3/4	3/4	3/4	
T	86,844	3	71,735	3	56,625	3	41,544	3	26,444	3	11,335	3	3	3	3	
	86,529	1/4	71,420	1/4	56,311	1/4	41,230	1/4	26,130	1/4	11,021	1/4	1/4	1/4	1/4	
	86,214	1/2	71,105	1/2	55,996	1/2	40,916	1/2	25,815	1/2	10,706	1/2	1/2	1/2	1/2	
	85,900	3/4	70,790	3/4	55,681	3/4	40,603	3/4	25,500	3/4	10,391	3/4	3/4	3/4	3/4	
\dagger	85,585	4	70,476	4	55,366	4	40,289	4	25,185	4	10,076	4	4	4	4	
_	85,270	1/4	70,161	1/4	55,051	1/4	39,975	1/4	24,871	1/4	9,761	1/4	1/4	1/4	1/4	
	84,955	1/2	69,846	1/4	54,737	1/2	39,661	1/2	24,556	1/2	9,447	1/2	1/4	1/4	1/4	
	84,640	3/4	69,531	3/4	54,422	3/4	39,347	3/4	24,241	3/4	9,132	3/4	3/4	3/4	3/4	
$^{+}$	84,326	5	69,216	5	54,107	5	39,032	5	23,926	5	8,817	5	5	5	5	
		-		-		-		-		\vdash		-				
	84,011	1/4	68,902	1/4	53,792	1/4	38,718	1/4	23,612	1/4	8,502	1/4	1/4	1/4	1/4	
+	83,696	1/2	68,587	1/2	53,478	1/2	38,404	1/2	23,297	1/2	8,188 7,873	1/2	1/2	1/2	1/2	
+	83,381	3/4	68,272	3/4	53,163	3/4	38,089	3/4	22,982	3/4		3/4	3/4	3/4	3/4	
4	83,067	6	67,957	6	52,848	6	37,774	6	22,667	6	7,558	6	6	6	6	
	82,752	1/4	67,643	1/4	52,533	1/4	37,459	1/4	22,352	1/4	7,243	1/4	1/4	1/4	1/4	
	82,437	1/2	67,328	1/2	52,218	1/2	37,145	1/2	22,038	1/2	6,928	1/2	1/2	1/2	1/2	
4	82,122	3/4	67,013	3/4	51,904	3/4	36,830	3/4	21,723	3/4	6,614	3/4	3/4	3/4	3/4	
_	81,807	7	66,698	7	51,590	7	36,515	7	21,408	7	6,299	7	7	7	7	
	81,493	1/4	66,383	1/4	51,275	1/4	36,200	1/4	21,093	1/4	5,984	1/4	1/4	1/4	1/4	
	81,178	1/2	66,069	1/2	50,961	1/2	35,886	1/2	20,779	1/2	5,669	1/2	1/2	1/2	1/2	
	80,863	3/4	65,754	3/4	50,647	3/4	35,571	3/4	20,464	3/4	5,355	3/4	3/4	3/4	3/4	
ᆚ	80,548	8	65,439	8	50,333	8	35,256	8	20,149	8	5,040	8	8	8	8	
	80,234	1/4	65,124	1/4	50,019	1/4	34,941	1/4	19,834	1/4	4,726	1/4	1/4	1/4	1/4	
	79,919	1/2	64,810	1/2	49,704	1/2	34,626	1/2	19,519	1/2	4,411	1/2	1/2	1/2	1/2	
╝	79,604	3/4	64,495	3/4	49,391	3/4	34,312	3/4	19,205	3/4	4,098	3/4	3/4	3/4	3/4	
	79,289	9	64,180	9	49,077	9	33,997	9	18,890	9	3,784	9	9	9	9	
	78,974	1/4	63,865	1/4	48,763	1/4	33,682	1/4	18,575	1/4	3,470	1/4	1/4	1/4	1/4	
	78,660	1/2	63,550	1/2	48,449	1/2	33,367	1/2	18,260	1/2	3,156	1/2	1/2	1/2	1/2	
	78,345	3/4	63,236	3/4	48,135	3/4	33,053	3/4	17,946	3/4	2,862	3/4	3/4	3/4	3/4	
	78,030	10	62,921	10	47,821	10	32,738	10	17,631	10	2,568	10	10	10	10	
	77,715	1/4	62,606	1/4	47,507	1/4	32,423	1/4	17,316	1/4	2,273	1/4	1/4	1/4	1/4	
	77,401	1/2	62,291	1/2	47,193	1/2	32,108	1/2	17,001	1/2	1,979	1/2	1/2	1/2	1/2	
	77,086	3/4	61,977	3/4	46,879	3/4	31,793	3/4	16,686	3/4	1,743	3/4	3/4	3/4	3/4	
T	76,771	11	61,662	11	46,566	11	31,479	11	16,372	11	1,507	11	11	11	11	
	76,456	1/4	61,347	1/4	46,252	1/4	31,164	1/4	16,057	1/4	1,271	1/4	1/4	1/4	1/4	
2	76,141	1/2	61,032	1/2	45,938	1/2	30,849	1/2	15,742	1/2	1,035	1/2	1/2	1/2	1/2	
1	75,827	3/4	60,717	3/4	45,624	3/4	30,534	3/4	15,427	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 08/06/2013 SW CALCULATED: 08/06/2013 CL PRINTED: 08/06/2013 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/4"

CAPAC	ITIES GIVEN IN WH	OLE GAL															GAUGE HE	iiGH i	
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	189,739	0	179,395	0	169,048	0	158,670	0	148,227	0	133,996	0	119,008	0	104,016
1/4		1/4		1/4	189,527	1/4	179,180	1/4	168,833	1/4	158,454	1/4	147,995	1/4	133,684	1/4	118,696	1/4	103,703
1/2		1/2		1/2	189,312	1/2	178,964	1/2	168,617	1/2	158,237	1/2	147,748	1/2	133,372	1/2	118,384	1/2	103,391
3/4		3/4		3/4	189,096	3/4	178,749	3/4	168,402	3/4	158,021	3/4	147,500	3/4	133,059	3/4	118,072	3/4	103,078
1		1		1	188,881	1	178,533	1	168,186	1	157,805	1	147,252	1	132,747	1	117,759	1	102,765
1/4		1/4		1/4	188,666	1/4	178,318	1/4	167,970	1/4	157,588	1/4	147,005	1/4	132,435	1/4	117,447	1/4	102,453
		1/4		1/4	188,450	1/4	178,102	1/4	167,754	1/4	157,372	1/4	146,742	1/4	132,123	1/4	117,135	1/4	102,433
1/2		3/4		3/4	188,235		177,887	3/4	167,539	3/4	157,156	3/4	146,478	3/4	131,810	3/4	116,823	3/4	102,140
3/4 2						3/4		_						_				_	
-		2		2	188,019	2	177,671	2	167,323	2	156,939	2	146,215	2	131,498	2	116,510	2	101,515
1/4		1/4		1/4	187,803	1/4	177,455	1/4	167,107	1/4	156,723	1/4	145,952	1/4	131,186	1/4	116,198	1/4	101,202
1/2		1/2		1/2	187,588	1/2	177,240	1/2	166,890	1/2	156,507	1/2	145,673	1/2	130,874	1/2	115,886	1/2	100,890
3/4		3/4		3/4	187,372	3/4	177,024	3/4	166,674	3/4	156,290	3/4	145,394	3/4	130,561	3/4	115,574	3/4	100,577
3		3		3	187,156	3	176,809	3	166,458	3	156,074	3	145,115	3	130,249	3	115,262	3	100,264
1/4		1/4		1/4	186,941	1/4	176,593	1/4	166,241	1/4	155,858	1/4	144,836	1/4	129,937	1/4	114,949	1/4	99,952
1/2		1/2		1/2	186,725	1/2	176,378	1/2	166,025	1/2	155,641	1/2	144,541	1/2	129,625	1/2	114,637	1/2	99,639
3/4		3/4		3/4	186,509	3/4	176,162	3/4	165,809	3/4	155,425	3/4	144,245	3/4	129,312	3/4	114,325	3/4	99,326
4		4		4	186,294	4	175,946	4	165,592	4	155,209	4	143,950	4	129,000	4	114,013	4	99,014
1/4		1/4		1/4	186,078	1/4	175,731	1/4	165,376	1/4	154,992	1/4	143,655	1/4	128,688	1/4	113,700	1/4	98,701
1/2		1/2		1/2	185,862	1/2	175,515	1/2	165,160	1/2	154,776	1/2	143,348	1/2	128,376	1/2	113,388	1/2	98,388
3/4		3/4		3/4	185,647	3/4	175,300	3/4	164,943	3/4	154,560	3/4	143,040	3/4	128,063	3/4	113,076	3/4	98,076
5		5		5	185,431	5	175,084	5	164,727	5	154,343	5	142,733	5	127,751	5	112,764	5	97,763
1/4		1/4		1/4	185,216	1/4	174,869	1/4	164,511	1/4	154,127	1/4	142,425	1/4	127,439	1/4	112,451	1/4	97,451
1/2		1/2		1/2	185,000	1/2	174,653	1/2	164,294	1/2	153,911	1/2	142,113	1/2	127,127	1/2	112,139	1/2	97,138
3/4		3/4		3/4	184,785	3/4	174,437	3/4	164,078	3/4	153,694	3/4	141,801	3/4	126,814	3/4	111,827	3/4	96,826
6		6		6	184,569	6	174,222	6	163,862	6	153,478	6	141,489	6	126,502	6	111,515	6	96,514
1/4		1/4		1/4	184,354	1/4	174,006	1/4	163,645	1/4	153,262	1/4	141,177	1/4	126,190	1/4	111,202	1/4	96,201
1/2		1/2		1/2	184,138	1/2	173,791	1/2	163,429	1/2	153,045	1/2	140,865	1/2	125,878	1/2	110,890	1/2	95,889
3/4		3/4		3/4	183,922	3/4	173,575	3/4	163,213	3/4	152,829	3/4	140,553	3/4	125,566	3/4	110,578	3/4	95,576
7		7		7	183,707	7	173,360	7	162,996	7	152,613	7	140,241	7	125,253	7	110,266	7	95,264
1/4		1/4	-	1/4	183,491	1/4	173,144	1/4	162,780	1/4	152,396	1/4	139,929	1/4	124,941	1/4	109,953	1/4	94,952
1/2		1/2		1/4	183,276	1/2	172,928	1/2	162,564	1/2	152,180	1/2	139,616	1/2	124,629	1/2	109,641	1/2	94,639
3/4		3/4		3/4	183,060	3/4	172,713	3/4	162,347	3/4	151,964	3/4	139,304	3/4	124,317	3/4	109,329	3/4	94,327
8		8		8	182,845	8	172,497	8	162,131	8	151,747	8	138,992	8	124,004	8	109,016	8	94,014
\vdash		1/4	192,283	1/4	182,629	1/4	172,497	1/4	161,915	1/4	151,747	_	138,680	1/4	123,692	1/4	108,704	1/4	93,702
1/4			192,263		182,413		172,262		161,698		151,331	1/4	138,367		123,380		108,704	1/4	93,702
1/2		1/2 3/4	192,139	1/2	182,413	1/2	172,066	1/2	161,482	1/2 3/4	151,098	1/2	138,055	1/2	123,360	1/2	108,392		93,077
3/4 9		3/4 9		3/4 9		3/4 9		3/4 9		3/4 9		3/4 9	137,743	3/4 9		3/4 9	108,079	3/4 9	93,077
\rightarrow		_	191,912	+	181,982	-	171,635	$oldsymbol{oldsymbol{}}$	161,266	-	150,882	+		_	122,755	_		_	
1/4		1/4	191,788	1/4	181,767	1/4	171,420	1/4	161,049	1/4	150,666	1/4	137,431	1/4	122,443	1/4	107,455	1/4	92,452
1/2		1/2	191,628	1/2	181,551	1/2	171,204	1/2	160,833	1/2	150,449	1/2	137,118	1/2	122,131	1/2	107,142	1/2	92,140
3/4		3/4	191,468	3/4	181,336	3/4	170,988	3/4	160,617	3/4	150,233	3/4	136,806	3/4	121,819	3/4	106,830	3/4	91,827
10		10	191,308	10	181,120	10	170,773	10	160,400	10	150,017	10	136,494	10	121,506	10	106,517	10	91,515
1/4		1/4	191,148	1/4	180,904	1/4	170,557	1/4	160,184	1/4	149,800	1/4	136,182	1/4	121,194	1/4	106,205	1/4	91,203
1/2		1/2	190,955	1/2	180,689	1/2	170,342	1/2	159,968	1/2	149,581	1/2	135,869	1/2	120,882	1/2	105,892	1/2	90,890
3/4		3/4	190,762	3/4	180,473	3/4	170,126	3/4	159,752	3/4	149,361	3/4	135,557	3/4	120,570	3/4	105,579	3/4	90,578
11		11	190,568	11	180,258	11	169,911	11	159,535	11	149,141	11	135,245	11	120,257	11	105,267	11	90,265
1/4		1/4	190,375	1/4	180,042	1/4	169,695	1/4	159,319	1/4	148,921	1/4	134,933	1/4	119,945	1/4	104,954	1/4	89,953
1/2		1/2	190,163	1/2	179,827	1/2	169,479	1/2	159,103	1/2	148,690	1/2	134,621	1/2	119,633	1/2	104,641	1/2	89,641
3/4		3/4	189,951	3/4	179,611	3/4	169,264	3/4	158,886	3/4	148,458	3/4	134,308	3/4	119,321	3/4	104,329	3/4	89,328
											•		•				DT EOD THE AR		

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.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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

The flearmy



3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 1/4"

PACI	IES GIVEN IN WH	OLE GALLO	ONS												GAUGE HEIGHT	13-11 1/4
N	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. N	17 FT. ℕ	18 FT. N	19 FT.
0	89,016	0	74,032	0	59,103	0	44,540	0	29,731	0	14,719	0	0	0	0	
/4	88,703	1/4	73,721	1/4	58,794	1/4	44,237	1/4	29,418	1/4	14,406	1/4	1/4	1/4	1/4	
2	88,391	1/2	73,410	1/2	58,488	1/2	43,931	1/2	29,105	1/2	14,093	1/2	1/2	1/2	1/2	
4	88,078	3/4	73,099	3/4	58,182	3/4	43,626	3/4	28,793	3/4	13,780	3/4	3/4	3/4	3/4	
7	87,766	1	72,789	1	57,876	1	43,320	1	28,480	1	13,468	1	1	1	1	
4	87,453	1/4	72,478	1/4	57,570	1/4	43,015	1/4	28,168	1/4	13,155	1/4	1/4	1/4	1/4	
2	87,140	1/2	72,167	1/2	57,265	1/2	42,709	1/2	27,855	1/2	12,842	1/2	1/2	1/2	1/2	
4	86,828	3/4	71,856	3/4	56,961	3/4	42,404	3/4	27,542	3/4	12,529	3/4	3/4	3/4	3/4	
1	86,515	2	71,546	2	56,656	2	42,098	2	27,230	2	12,217	2	2	2	2	
	86,202	1/4	71,235	1/4	56,352	1/4	41,793	1/4	26,917	1/4	11,904	1/4	1/4	1/4	1/4	
_	85,890	1/2	70,924	1/2	56,049		41,488	1/2	26,605	1/2	11,591			1/4	1/4	
!	85,577	3/4	70,613	3/4	55,746	1/2 3/4	41,182	3/4	26,292	3/4	11,278	1/2 3/4	1/2	3/4	3/4	
_		3/4		3/4		3/4		_		3/4		3/4	3/4	3/4	3/4	
4	85,264	-	70,303	lacksquare	55,443	-	40,877	3	25,979	-	10,965	\rightarrow				
	84,951	1/4	69,992	1/4	55,140	1/4	40,571	1/4	25,666	1/4	10,652	1/4	1/4	1/4	1/4	
	84,639	1/2	69,681	1/2	54,837	1/2	40,266	1/2	25,354	1/2	10,338	1/2	1/2	1/2	1/2	
4	84,326	3/4	69,370	3/4	54,534	3/4	39,960	3/4	25,041	3/4	10,025	3/4	3/4	3/4	3/4	
4	84,013	4	69,060	4	54,231	4	39,655	4	24,728	4	9,712	4	4	4	4	
	83,700	1/4	68,749	1/4	53,928	1/4	39,349	1/4	24,415	1/4	9,399	1/4	1/4	1/4	1/4	
!	83,388	1/2	68,438	1/2	53,625	1/2	39,044	1/2	24,102	1/2	9,085	1/2	1/2	1/2	1/2	
	83,075	3/4	68,127	3/4	53,323	3/4	38,738	3/4	23,790	3/4	8,772	3/4	3/4	3/4	3/4	
	82,762	5	67,817	5	53,020	5	38,433	5	23,477	5	8,459	5	5	5	5	
T	82,450	1/4	67,506	1/4	52,717	1/4	38,128	1/4	23,164	1/4	8,146	1/4	1/4	1/4	1/4	
	82,137	1/2	67,195	1/2	52,414	1/2	37,822	1/2	22,851	1/2	7,833	1/2	1/2	1/2	1/2	
	81,824	3/4	66,884	3/4	52,111	3/4	37,517	3/4	22,538	3/4	7,520	3/4	3/4	3/4	3/4	
	81,511	6	66,573	6	51,808	6	37,211	6	22,226	6	7,207	6	6	6	6	
1	81,199	1/4	66,263	1/4	51,505	1/4	36,906	1/4	21,913	1/4	6,894	1/4	1/4	1/4	1/4	
	80,886	1/2	65,952	1/2	51,202	1/2	36,597	1/2	21,600	1/2	6,581	1/2	1/2	1/2	1/2	
	80,573	3/4	65,641	3/4	50,899	3/4	36,289	3/4	21,287	3/4	6,268	3/4	3/4	3/4	3/4	
T	80,261	7	65,330	7	50,596	7	35,980	7	20,975	7	5,955	7	7	7	7	
-	79,948	1/4	65,020	1/4	50,293	1/4	35,671	1/4	20,662	1/4	5,642	1/4	1/4	1/4	1/4	
	79,635	1/2	64,709	1/2	49,991	1/2	35,359	1/2	20,349	1/2	5,329	1/2	1/2	1/2	1/2	
	79,322	3/4	64,398	3/4	49,688	3/4	35,047	3/4	20,036	3/4	5,016	3/4	3/4	3/4	3/4	
+	79,010	8	64,087	8	49,385	8	34,735	8	19,723	8	4,703	8	8	8	8	
1	78,697	-	63,777	lacksquare	49,082	-	34,422	-	19,723	-	4,703	-				
	78,385	1/4	63,465	1/4	49,062	1/4	34,422	1/4	19,411	1/4	4,390	1/4	1/4	1/4	1/4	
	78,385	1/2	,	1/2		1/2		1/2	-,	1/2	,	1/2	1/2	1/2	1/2	
+		3/4 9	63,154	3/4 9	48,476	3/4	33,797	3/4 9	18,785	3/4 9	3,766	3/4 9	3/4	3/4	3/4	
_	77,762	-	62,842	+	48,173	9	33,484		18,472	\vdash	3,453	-		9		
	77,450	1/4	62,530	1/4	47,870	1/4	33,171	1/4	18,159	1/4	3,141	1/4	1/4	1/4	1/4	
	77,139	1/2	62,218	1/2	47,568	1/2	32,858	1/2	17,847	1/2	2,848	1/2	1/2	1/2	1/2	
+	76,828	3/4	61,906	3/4	47,265	3/4	32,546	3/4	17,534	3/4	2,555	3/4	3/4	3/4	3/4	
┸	76,518	10	61,593	10	46,963	10	32,233	10	17,221	10	2,262	10	10	10	10	
	76,207	1/4	61,281	1/4	46,660	1/4	31,920	1/4	16,908	1/4	1,969	1/4	1/4	1/4	1/4	
	75,896	1/2	60,968	1/2	46,358	1/2	31,607	1/2	16,596	1/2	1,734	1/2	1/2	1/2	1/2	
	75,585	3/4	60,656	3/4	46,056	3/4	31,295	3/4	16,283	3/4	1,500	3/4	3/4	3/4	3/4	
	75,275	11	60,343	11	45,754	11	30,982	11	15,970	11	1,265	11	11	11	11	
ı	74,964	1/4	60,031	1/4	45,452	1/4	30,669	1/4	15,657	1/4	1,030	1/4	1/4	1/4	1/4	
2	74,653	1/2	59,722	1/2	45,148	1/2	30,356	1/2	15,344	1/2	<u> </u>	1/2	1/2	1/2	1/2	
1	74,342	3/4	59,413	3/4	44,844	3/4	30,044	3/4	15,032	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 08/06/2013 SW CALCULATED: 08/06/2013 CL PRINTED: 08/06/2013 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 08/2013 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The Jacama



3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 3/4"

	TIES GIVEN IN WHO											, ,					GAUGE HE		
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	190,353	0	180,006	0	169,658	0	159,278	0	148,787	0	134,381	0	119,359	0	104,333
1/4		1/4		1/4	190,138	1/4	179,790	1/4	169,442	1/4	159,061	1/4	148,539	1/4	134,068	1/4	119,046	1/4	104,019
1/2		1/2		1/2	189,923	1/2	179,574	1/2	169,227	1/2	158,845	1/2	148,292	1/2	133,755	1/2	118,734	1/2	103,706
3/4		3/4		3/4	189,707	3/4	179,359	3/4	169,011	3/4	158,629	3/4	148,044	3/4	133,442	3/4	118,421	3/4	103,393
1		1		1	189,492	1	179,143	1	168,795	1	158,412	1	147,780	1	133,129	1	118,108	1	103,079
1/4		1/4		1/4	189,276	1/4	178,928	1/4	168,579	1/4	158,196	1/4	147,517	1/4	132,816	1/4	117,795	1/4	102,766
1/2		1/2		1/2	189,060	1/2	178,712	1/2	168,363	1/2	157,980	1/2	147,253	1/2	132,503	1/2	117,482	1/2	102,453
3/4		3/4		3/4	188,845	3/4	178,497	3/4	168,147	3/4	157,763	3/4	146,989	3/4	132,190	3/4	117,169	3/4	102,139
2		2		2	188,629	2	178,281	2	167,931	2	157,547	2	146,710	2	131,877	2	116,856	2	101,826
1/4		1/4		1/4	188,413	1/4	178,065	1/4	167,715	1/4	157,331	1/4	146,430	1/4	131,564	1/4	116,543	1/4	101,512
1/2		1/2		1/2	188,198	1/2	177,850	1/2	167,498	1/2	157,114	1/2	146,150	1/2	131,251	1/2	116,230	1/2	101,199
3/4		3/4		3/4	187,982	3/4	177,634	3/4	167,282	3/4	156,898	3/4	145,870	3/4	130,938	3/4	115,917	3/4	100,886
3		3		3	187,766	3	177,419	3	167,066	3	156,681	3	145,575	3	130,625	3	115,604	3	100,572
1/4		1/4		1/4	187,551	1/4	177,203	1/4	166,849	1/4	156,465	1/4	145,279	1/4	130,312	1/4	115,291	1/4	100,259
1/2		1/2		1/2	187,335	1/4	176,988	1/4	166,633	1/2	156,249	1/2	144,983	1/4	129,999	1/2	114,978	1/2	99,946
3/4		3/4		3/4	187,120	3/4	176,988	3/4	166,417	3/4	156,032	3/4	144,983	3/4	129,686	3/4	114,665	3/4	99,632
4		4		4	186,904	4	176,772	4	166,200	4	155,816	4	144,379	4	129,374	4	114,352	3/4 4	99,319
_		-		-		-		_		-		-		_		-		+	The second secon
1/4		1/4		1/4	186,688	1/4	176,341	1/4	165,984	1/4	155,600	1/4	144,071	1/4	129,061	1/4	114,039	1/4	99,006
1/2		1/2		1/2	186,473	1/2	176,125	1/2	165,768	1/2	155,383	1/2	143,763	1/2	128,748	1/2	113,726	1/2	98,692
3/4		3/4		3/4	186,257	3/4	175,910	3/4	165,551	3/4	155,167	3/4	143,454	3/4	128,435	3/4	113,414	3/4	98,379
5		5		5	186,042	5	175,694	5	165,335	5	154,951	5	143,142	5	128,122	5	113,101	5	98,066
1/4		1/4		1/4	185,826	1/4	175,478	1/4	165,119	1/4	154,734	1/4	142,829	1/4	127,809	1/4	112,788	1/4	97,752
1/2		1/2		1/2	185,611	1/2	175,263	1/2	164,902	1/2	154,518	1/2	142,516	1/2	127,496	1/2	112,475	1/2	97,439
3/4		3/4		3/4	185,395	3/4	175,047	3/4	164,686	3/4	154,302	3/4	142,204	3/4	127,183	3/4	112,162	3/4	97,125
6		6		6	185,179	6	174,832	6	164,470	6	154,085	6	141,891	6	126,870	6	111,849	6	96,812
1/4		1/4		1/4	184,964	1/4	174,616	1/4	164,253	1/4	153,869	1/4	141,578	1/4	126,557	1/4	111,536	1/4	96,499
1/2		1/2		1/2	184,748	1/2	174,401	1/2	164,037	1/2	153,653	1/2	141,265	1/2	126,244	1/2	111,223	1/2	96,185
3/4		3/4		3/4	184,533	3/4	174,185	3/4	163,821	3/4	153,436	3/4	140,952	3/4	125,931	3/4	110,910	3/4	95,872
7		7		7	184,317	7	173,969	7	163,604	7	153,220	7	140,639	7	125,618	7	110,597	7	95,559
1/4		1/4		1/4	184,102	1/4	173,754	1/4	163,388	1/4	153,004	1/4	140,326	1/4	125,305	1/4	110,284	1/4	95,245
1/2		1/2		1/2	183,886	1/2	173,538	1/2	163,172	1/2	152,787	1/2	140,014	1/2	124,992	1/2	109,971	1/2	94,932
3/4		3/4	193,325	3/4	183,670	3/4	173,323	3/4	162,955	3/4	152,571	3/4	139,701	3/4	124,679	3/4	109,658	3/4	94,619
8		8	193,201	8	183,455	8	173,107	8	162,739	8	152,355	8	139,388	8	124,366	8	109,345	8	94,305
1/4		1/4	193,077	1/4	183,239	1/4	172,892	1/4	162,523	1/4	152,138	1/4	139,075	1/4	124,054	1/4	109,032	1/4	93,992
1/2		1/2	192,953	1/2	183,024	1/2	172,676	1/2	162,306	1/2	151,922	1/2	138,762	1/2	123,741	1/2	108,719	1/2	93,679
3/4		3/4	192,830	3/4	182,808	3/4	172,460	3/4	162,090	3/4	151,706	3/4	138,449	3/4	123,428	3/4	108,406	3/4	93,365
9		9	192,670	9	182,592	9	172,245	9	161,874	9	151,489	9	138,136	9	123,115	9	108,093	9	93,052
1/4		1/4	192,510	1/4	182,377	1/4	172,029	1/4	161,657	1/4	151,273	1/4	137,823	1/4	122,802	1/4	107,779	1/4	92,738
1/2		1/2	192,350	1/2	182,161	1/2	171,814	1/2	161,441	1/2	151,057	1/2	137,510	1/2	122,489	1/2	107,466	1/2	92,425
3/4		3/4	192,190	3/4	181,946	3/4	171,598	3/4	161,225	3/4	150,840	3/4	137,197	3/4	122,176	3/4	107,153	3/4	92,112
10		10	191,997	10	181,730	10	171,383	10	161,008	10	150,620	10	136,884	10	121,863	10	106,840	10	91,798
1/4		1/4	191,803	1/4	181,515	1/4	171,167	1/4	160,792	1/4	150,401	1/4	136,571	1/4	121,550	1/4	106,526	1/4	91,485
1/4		1/4	191,610	1/4	181,299	1/4	171,107	1/4	160,792	1/4	150,181	1/4	136,258	1/4	121,237	1/4	106,213	1/4	91,172
3/4		3/4	191,417	3/4	181,083	3/4	170,931	3/4	160,359	3/4	149,961	3/4	135,945	3/4	121,237	3/4	105,213	3/4	90,858
3/4 11		3/4	191,417	11	180,868	3/4	170,730	3/4	160,339	3/4	149,729	3/4	135,632	3/4		3/4	105,586	3/4	90,545
_		-		-		-		-		-	· · · · · · · · · · · · · · · · · · ·	-	•	-	120,611	-	,	-	
1/4		1/4	190,993	1/4	180,652	1/4	170,305	1/4	159,927	1/4	149,498	1/4	135,319	1/4	120,298	1/4	105,273	1/4	90,232
1/2		1/2	190,781	1/2	180,437	1/2	170,089	1/2	159,710	1/2	149,266	1/2	135,006	1/2	119,985	1/2	104,959	1/2	89,918
3/4		3/4	190,569	3/4	180,221	3/4	169,874	3/4	159,494	3/4	149,035	3/4	134,694	3/4	119,672	3/4	104,646 ART FOR THE AR	3/4	89,605

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10 3/4"

CAPACI	TIES GIVEN IN WH	OLE GALLO													GAUGE HEIGHT	
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. ℕ	17 FT. ℕ	18 FT. N	19 FT.
0	89,292	0	74,250	0	59,209	0	44,171	0	29,145	0	14,104	0	0	0	0	
1/4	88,978	1/4	73,937	1/4	58,896	1/4	43,859	1/4	28,831	1/4	13,791	1/4	1/4	1/4	1/4	
1/2	88,665	1/2	73,624	1/2	58,582	1/2	43,546	1/2	28,518	1/2	13,477	1/2	1/2	1/2	1/2	
3/4	88,351	3/4	73,310	3/4	58,269	3/4	43,233	3/4	28,205	3/4	13,164	3/4	3/4	3/4	3/4	
1	88.038	1	72,997	1	57,956	1	42,920	1	27,891	1	12,851	1	1	1	1	
1/4	87,725	1/4	72,683	1/4	57,642	1/4	42,607	1/4	27,578	1/4	12,537	1/4	1/4	1/4	1/4	
1/2	87,411	1/2	72,370	1/2	57,329	1/2	42,294	1/2	27,265	1/2	12,224	1/2	1/2	1/2	1/2	
3/4	87,098	3/4	72,057	3/4	57,016	3/4	41,981	3/4	26,951	3/4	11,911	3/4	3/4	3/4	3/4	
2	86,785	2	71,743	2	56,702	2	41,669	2	26,638	2	11,597	2	2	2	2	
1/4	86,471	1/4	71,430	1/4	56,389	1/4	41,356	1/4	26,325	1/4	11,284	1/4	1/4	1/4	1/4	
/2	86,158	1/2	71,117	1/2	56,075	1/2	41,043	1/2	26,011	1/2	10,971	1/2	1/2	1/2	1/2	
3/4	85,845	3/4	70,803	3/4	55,762	3/4	40,730	3/4	25,698	3/4	10,657	3/4	3/4	3/4	3/4	
3	85,531	3	70,490	3	55,449	3	40,417	3	25,385	3	10,344	3	3	3/4	3/4	
_	85.218	1/4	70,430	1/4	55,135	1/4	40.104	1/4	25,071	1/4	10,030	-	1/4	1/4	1/4	
/4	84,904		69,863		54,822		39,791		24,758		9,717	1/4				
1/2	84,591	1/2 3/4	69,550	1/2 3/4	54,509	1/2 3/4	39,479	1/2 3/4	24,756	1/2 3/4	9,717	1/2 3/4	1/2	1/2	1/2	
_		3/4	•	3/4 4	•		•	_		3/4 4			3/4	3/4		
4	84,278		69,237	-	54,195	4	39,166	4	24,131	-	9,090	4			4	
1/4	83,964	1/4	68,923	1/4	53,882	1/4	38,853	1/4	23,818	1/4	8,777	1/4	1/4	1/4	1/4	
1/2	83,651	1/2	68,610	1/2	53,569	1/2	38,540	1/2	23,505	1/2	8,464	1/2	1/2	1/2	1/2	
/4	83,338	3/4	68,296	3/4	53,255	3/4	38,227	3/4	23,191	3/4	8,150	3/4	3/4	3/4	3/4	
5	83,024	5	67,983	5	52,942	5	37,914	5	22,878	5	7,837	5	5	5	5	
/4	82,711	1/4	67,670	1/4	52,629	1/4	37,601	1/4	22,564	1/4	7,524	1/4	1/4	1/4	1/4	
/2	82,398	1/2	67,356	1/2	52,315	1/2	37,288	1/2	22,251	1/2	7,210	1/2	1/2	1/2	1/2	
/4	82,084	3/4	67,043	3/4	52,002	3/4	36,976	3/4	21,938	3/4	6,897	3/4	3/4	3/4	3/4	
6	81,771	6	66,730	6	51,688	6	36,663	6	21,624	6	6,584	6	6	6	6	
/4	81,458	1/4	66,416	1/4	51,375	1/4	36,350	1/4	21,311	1/4	6,270	1/4	1/4	1/4	1/4	
/2	81,144	1/2	66,103	1/2	51,062	1/2	36,037	1/2	20,998	1/2	5,957	1/2	1/2	1/2	1/2	
/4	80,831	3/4	65,790	3/4	50,748	3/4	35,724	3/4	20,684	3/4	5,644	3/4	3/4	3/4	3/4	
7	80,517	7	65,476	7	50,435	7	35,411	7	20,371	7	5,331	7	7	7	7	
/4	80,204	1/4	65,163	1/4	50,122	1/4	35,098	1/4	20,058	1/4	5,017	1/4	1/4	1/4	1/4	
/2	79,891	1/2	64,850	1/2	49,808	1/2	34,785	1/2	19,744	1/2	4,704	1/2	1/2	1/2	1/2	
/4	79,577	3/4	64,536	3/4	49,495	3/4	34,472	3/4	19,431	3/4	4,391	3/4	3/4	3/4	3/4	
8	79,264	8	64,223	8	49,182	8	34,158	8	19,118	8	4,079	8	8	8	8	
/4	78,951	1/4	63,909	1/4	48,868	1/4	33,845	1/4	18,804	1/4	3,767	1/4	1/4	1/4	1/4	
/2	78,637	1/2	63,596	1/2	48,555	1/2	33,532	1/2	18,491	1/2	3,454	1/2	1/2	1/2	1/2	
/4	78,324	3/4	63,283	3/4	48,241	3/4	33,218	3/4	18,178	3/4	3,142	3/4	3/4	3/4	3/4	
9	78,011	9	62,969	9	47,928	9	32,905	9	17,864	9	2,849	9	9	9	9	Ì
/4	77,697	1/4	62,656	1/4	47,615	1/4	32,592	1/4	17,551	1/4	2,556	1/4	1/4	1/4	1/4	
/2	77,384	1/2	62,343	1/2	47,302	1/2	32,278	1/2	17,238	1/2	2,263	1/2	1/2	1/2	1/2	
/4	77,071	3/4	62,029	3/4	46,989	3/4	31,965	3/4	16,924	3/4	1,970	3/4	3/4	3/4	3/4	
0	76,757	10	61,716	10	46,675	10	31,652	10	16,611	10	1,735	10	10	10	10	İ
/4	76,444	1/4	61,403	1/4	46,362	1/4	31,338	1/4	16,297	1/4	1,500	1/4	1/4	1/4	1/4	
/4	76,130	1/4	61,089	1/4	46,049	1/4	31,025	1/4	15,984	1/4	1,265	1/4	1/4	1/4	1/4	
/4	75,817	3/4	60,776	3/4	45,736	3/4	30,712	3/4	15,671	3/4	1,030	3/4	3/4	3/4	3/4	
1	75,504	11	60,462	11	45,423	11	30,398	3/4	15,357	11	1,030	3/4	3/4	3/4	3/4	
_		-		-		\rightarrow		$\overline{}$		_						
1/4	75,190	1/4	60,149	1/4	45,110	1/4	30,085	1/4	15,044	1/4		1/4	1/4	1/4	1/4	
1/2	74,877	1/2	59,836	1/2	44,797	1/2	29,771	1/2	14,731	1/2		1/2	1/2	1/2	1/2	
3/4	74,564	3/4	59,522	3/4	44,484	3/4	29,458	3/4	14,417	3/4		3/4	3/4	3/4	3/4 HART FOR THE ABOVE N	

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FUEL TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-06"

CAPAC	CITIES GIVEN IN WHO	DLE GALL	ONS														GAUGE H	EIGH	IT 4'-06"
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	480	0	340	0	177	0	37	0		0		0		0		0	
1/4		1/4	477	1/4	337	1/4	174	1/4	35	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	475	1/2	333	1/2	170	1/2	33	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	473	3/4	330	3/4	167	3/4	31	3/4		3/4		3/4		3/4		3/4	
1		1	470	1	327	1	164	1	29	1		1		1		1		1	
1/4		1/4	468	1/4	323	1/4	161	1/4	27	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	465	1/2	320	1/2	157	1/2	25	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	463	3/4	316	3/4	154	3/4	23	3/4		3/4		3/4		3/4		3/4	
2		2	460	2	313	2	151	2	21	2		2		2		2		2	
1/4		1/4	458	1/4	310	1/4	148	1/4	19	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	455	1/2	306	1/2	144	1/2	17	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	453	3/4	303	3/4	141	3/4	15	3/4		3/4		3/4		3/4		3/4	
3		3	450	3	300	3	138	3	13	3		3		3		3		3	
1/4		1/4	447	1/4	296	1/4	135	1/4	12	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	444	1/2	293	1/2	132	1/2	10	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	442	3/4	289	3/4	129	3/4	9	3/4		3/4		3/4		3/4		3/4	
4		4	439	4	286	4	125	4	7	4		4		4		4		4	
1/4		1/4	436	1/4	282	1/4	122	1/4	6	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	433	1/2	279	1/2	119	1/2	5	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	430	3/4	276	3/4	116	3/4	4	3/4		3/4		3/4		3/4		3/4	
5		5	428	5	272	5	113	5	3	5		5		5		5		5	-
1/4		1/4	425	1/4	269	1/4	110	1/4	2	1/4		1/4		1/4		1/4		1/4	-
1/2		1/2	422	1/2	265	1/2	107	1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4	419	3/4	262	3/4	104	3/4	1	3/4		3/4		3/4		3/4		3/4	-
6	517	6	416	6	259	6	101	6	0	6		6		6		6		6	
1/4	516	1/4	413	1/4	255	1/4	98	1/4	Ť	1/4		1/4		1/4		1/4		1/4	
1/2	516	1/2	410	1/2	252	1/2	95	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	515	3/4	407	3/4	248	3/4	92	3/4		3/4		3/4		3/4		3/4		3/4	
7	514	7	404	7	245	7	89	7		7		7		7		7		7	
1/4	513	1/4	401	1/4	241	1/4	87	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	512	1/2	398	1/2	238	1/4	84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	511	3/4	395	3/4	235	3/4	81	3/4		3/4		3/4		3/4		3/4		3/4	
8	510	8	392	8	231	8	78	8		8		8		8		8		8	
1/4	508	1/4	388	1/4	228	1/4	75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	507	1/2	385	1/2	224	1/4	73	1/2		1/2		1/2		1/2		1/4		1/2	
3/4	505	3/4	382	3/4	221	3/4	70	3/4		3/4		3/4		3/4		3/4		3/4	
9	504	9	379	9	217	9	67	9		9		9		9	ſ	9	Ī	9	
1/4	502	1/4	376	1/4	214	1/4	64	1/4		1/4		1/4		1/4		1/4		1/4	
1/4	500	1/2	373	1/4	211	1/4	62	1/4		1/4		1/4		1/4		1/4		1/4	
3/4	498	3/4	369	3/4	207	3/4	59	3/4		3/4		3/4		3/4		3/4		3/4	
10	496	10	366	10	204	10	57	10		10		10		10	r	10		10	
1/4	494	1/4	363	1/4	201	1/4	54	1/4		1/4		1/4		1/4		1/4		1/4	
	492	1/4	360	1/4	197	1/4	52	1/4		1/4		1/4				1/4		1/4	
1/2 3/4	492	3/4	356	3/4	194	3/4	49	3/4		3/4		3/4		1/2 3/4		3/4		3/4	
11	488	11	353	3/4 11	194	11	49	11		3/4		3/4		11		3/4		11	
_	486	-	350	-		-		$\overline{}$			-	-						-	
1/4		1/4	347	1/4	187	1/4	44	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	484 482	1/2	347	1/2	184 180	1/2	42 40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	402	3/4	343	3/4	100	3/4	40	3/4		3/4		3/4		3/4		3/4	ADT FOR THE ADOL	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.
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER PIPE.

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PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-00 1/4"

CAPACI	TIES GIVEN IN WHOLE G	BALLON	18												GAUGE HE	:IGH	6'-00 1/4"
IN	0 FT. ℕ		1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT. N	7 FT.	N 8 FT.	IN	9 FT.
0	0			0	4,739	0	3,584	0	2,430	0	1,275	0	120 0		0	0	
1/4	1/4	4		1/4	4,715	1/4	3,560	1/4	2,406	1/4	1,251	1/4	96 1/4	1	1/4	1/4	
1/2	1/2	2		1/2	4,691	1/2	3,536	1/2	2,382	1/2	1,227	1/2	1/2	1	1/2	1/2	
3/4	3/4	4		3/4	4,667	3/4	3,512	3/4	2,358	3/4	1,203	3/4	3/4	3	3/4	3/4	
1	1			1	4,643	1	3,488	1	2,334	1	1,179	1	1		1	1	
1/4	1/4	4		1/4	4,619	1/4	3,464	1/4	2,310	1/4	1,155	1/4	1/4	1	1/4	1/4	
1/2	1/2	2		1/2	4,595	1/2	3,440	1/2	2,286	1/2	1,131	1/2	1/2	1	1/2	1/2	
3/4	3/4			3/4	4,570	3/4	3,415	3/4	2,262	3/4	1,107	3/4	3/4		3/4	3/4	
2	2			2	4,546	2	3,391	2	2,238	2	1,083	2	2		2	2	
1/4	1/4	4		1/4	4,522	1/4	3,367	1/4	2,214	1/4	1,059	1/4	1/4	1	/4	1/4	
1/2	1/2	_		1/2	4,498	1/2	3,343	1/2	2,190	1/2	1,035	1/2	1/2		1/2	1/2	
3/4	3/4	_		3/4	4,474	3/4	3,319	3/4	2,165	3/4	1,011	3/4	3/4		3/4	3/4	
3	3	_		3	4,450	3	3,295	3	2,141	3	987	3	3		3	3	
1/4	1/4	1		1/4	4,426	1/4	3,271	1/4	2,117	1/4	963	1/4	1/4	1	1/4	1/4	
1/2	1/2			1/2	4,402	1/2	3,247	1/2	2,093	1/2	938	1/2	1/2		1/2	1/2	
3/4	3/4	_		3/4	4,378	3/4	3,223	3/4	2,069	3/4	914	3/4	3/4		3/4	3/4	
4	4			4	4,354	4	3,199	4	2,045	4	890	4	4		4	4	
1/4	1/4	_		1/4	4,330	1/4	3,175	1/4	2,021	1/4	866	1/4	1/4		1/4	1/4	
1/2	1/2	_		1/2	4,306	1/2	3,151	1/2	1,997	1/2	842	1/2	1/2		1/2	1/2	
3/4	3/4	_		3/4	4,282	3/4	3,127	3/4	1,973	3/4	818	3/4	3/4		3/4	3/4	
5	5			5	4,258	5	3,103	5	1,949	5	794	5	5		5	5	
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	
1/2	1/4	_		1/2	4,210	1/2	3,054	1/2	1,901	1/2	746	1/2	1/4	+	1/2	1/4	
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	
6	6	_		6	4,161	6	3,006	6	1,853	6	698	6	6		6	6	
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	
1/2	1/4	_		1/4	4,113	1/4	2,958	1/4	1,805	1/4	650	1/4	1/4		1/2	1/4	
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	
7	7	_		7	4,065	7	2,910	7	1,756	7	602	7	7		7	7	
-		_	5,140	_	4,065	-	2,886	\vdash	1,732	1/4	578			'		-	
1/4	1/4	_	5,140	1/4	4,041	1/4	2,862	1/4	1,732		553	1/4	1/4		1/4	1/4	
1/2	1/2		5,126	1/2 3/4	3,993	1/2 3/4	2,838	3/4	1,708	1/2	529	1/2 3/4	1/2		3/4	1/2 3/4	
3/4 8	3/4	_	,	8		3/4		3/4		3/4 8	505	3/4 8	3/4		8	3/4 8	
_		_	5,105		3,969		2,814	-	1,660	\vdash		_		ļ — — L		_	
1/4	1/4	_	5,093	1/4	3,945	1/4	2,790	1/4	1,636	1/4	481	1/4	1/4		1/4	1/4	
1/2	1/2	_	5,070	1/2	3,921 3,897	1/2	2,766 2,742	1/2	1,612	1/2	457 433	1/2	1/2		1/2	1/2	
3/4	3/4	_	5,046	3/4		3/4		3/4	1,588	3/4		3/4	3/4		8/4	3/4	
9	9	_	5,023	9	3,873	9	2,718	9	1,564	9	409	9	9	-	9	9	
1/4	1/4		4,999	1/4	3,849	1/4	2,694	1/4	1,540	1/4	385	1/4	1/4		/4	1/4	
1/2	1/2		4,975	1/2	3,825	1/2	2,670	1/2	1,516	1/2	361	1/2	1/2		1/2	1/2	
3/4	3/4	_	4,952	3/4	3,800	3/4	2,646	3/4	1,492	3/4	337	3/4	3/4		3/4	3/4	
10	10	_	4,928	10	3,776	10	2,622	10	1,468	10	313	10	10	_	10	10	
1/4	1/4	_	4,904	1/4	3,752	1/4	2,597	1/4	1,444	1/4	289	1/4	1/4		/4	1/4	
1/2	1/2		4,881	1/2	3,728	1/2	2,574	1/2	1,419	1/2	265	1/2	1/2		1/2	1/2	
3/4	3/4	_	4,857	3/4	3,704	3/4	2,550	3/4	1,395	3/4	241	3/4	3/4	·	3/4	3/4	
11	11	Ц	4,833	11	3,680	11	2,526	11	1,371	11	217	11	11		11	11	
1/4	1/4	4	4,810	1/4	3,656	1/4	2,502	1/4	1,347	1/4	193	1/4	1/4	1	1/4	1/4	
1/2	1/2		4,786	1/2	3,632	1/2	2,478	1/2	1,323	1/2	168	1/2	1/2	1	1/2	1/2	
3/4	3/4	4	4,762	3/4	3,608	3/4	2,454	3/4	1,299	3/4	144	3/4	3/4		3/4	3/4	MED TANK ON

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.

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PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2092

Pearland, Texas 77588 http://www.pmacorp.net



STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 1/4"

CAPACI	TIES GIVEN IN WHOLE (GALLON	18														GAUGE HEI	GHT	6'-01 1/4"
IN	0 FT. ⊩	N	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	4,833	0	3,680	0	2,526	0	1,371	0	217	0		0		0	
1/4	1/-	/4		1/4	4,810	1/4	3,656	1/4	2,502	1/4	1,347	1/4	193	1/4		1/4		1/4	
1/2	1/3	/2		1/2	4,786	1/2	3,632	1/2	2,478	1/2	1,323	1/2	168	1/2		1/2		1/2	
3/4	3/-	4		3/4	4,762	3/4	3,608	3/4	2,454	3/4	1,299	3/4	144	3/4		3/4		3/4	
1	1			1	4,739	1	3,584	1	2,430	1	1,275	1	120	1		1		1	
1/4	1/-	/4		1/4	4,715	1/4	3,560	1/4	2,406	1/4	1,251	1/4	96	1/4		1/4		1/4	
1/2	1/3	/2		1/2	4,691	1/2	3,536	1/2	2,382	1/2	1,227	1/2	_	1/2		1/2		1/2	
3/4	3/-			3/4	4,667	3/4	3,512	3/4	2,358	3/4	1,203	3/4		3/4		3/4		3/4	
2	2	2		2	4,643	2	3,488	2	2,334	2	1,179	2		2		2		2	
1/4	1/-	/4		1/4	4,619	1/4	3,464	1/4	2,310	1/4	1,155	1/4		1/4		1/4	-	1/4	
1/2	1/3	_		1/2	4,595	1/2	3,440	1/2	2,286	1/2	1,131	1/2		1/2		1/2		1/2	
3/4	3/-	_		3/4	4,570	3/4	3,415	3/4	2,262	3/4	1,107	3/4		3/4		3/4		3/4	
3	3	_		3	4,546	3	3,391	3	2,238	3	1,083	3		3		3		3	
1/4	1/-	/4		1/4	4,522	1/4	3,367	1/4	2,214	1/4	1,059	1/4		1/4		1/4		1/4	
1/2	1/3			1/2	4,498	1/2	3,343	1/2	2,190	1/2	1,035	1/2		1/2		1/2		1/2	
3/4	3/-			3/4	4,474	3/4	3,319	3/4	2,165	3/4	1,011	3/4		3/4		3/4		3/4	
4	4	_		4	4,450	4	3,295	4	2,141	4	987	4		4		4		4	
1/4	1/-	_		1/4	4,426	1/4	3,271	1/4	2,117	1/4	963	1/4		1/4		1/4		1/4	
1/2	1/3			1/2	4,402	1/2	3,247	1/2	2,093	1/2	938	1/2		1/2		1/2		1/2	
3/4	3/-			3/4	4,378	3/4	3,223	3/4	2.069	3/4	914	3/4		3/4		3/4		3/4	
5	5			5	4,354	5	3,199	5	2,045	5	890	5		5		5		5	
1/4	1/-	_		1/4	4,330	1/4	3,175	1/4	2,021	1/4	866	1/4		1/4		1/4		1/4	
1/2	1/-			1/2	4,306	1/2	3,151	1/2	1,997	1/2	842	1/2		1/2		1/2		1/4	
3/4	3/-			3/4	4,282	3/4	3,127	3/4	1,973	3/4	818	3/4		3/4		3/4		3/4	
6	6	_		6	4,258	6	3,103	6	1,949	6	794	6		6		6		6	
1/4	1/-	_		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/-			1/4	4,210	1/4	3,054	1/4	1,901	1/4	746	1/4		1/4		1/4		1/4	
3/4	3/-			3/4	4,185	3/4	3,030	3/4	1,877	3/4	722	3/4		3/4		3/4		3/4	
7 7	7	_		7	4,161	7	3,006	7	1,853	7	698	7		3/4 7		7		7	
_		_		_	•	+	•	-	•	-	674	-						_	
1/4	1/-			1/4	4,137	1/4	2,982	1/4	1,829	1/4	650	1/4		1/4		1/4		1/4	
1/2	1/			1/2	4,113 4,089	1/2 3/4	2,958 2,934	1/2 3/4	1,805 1,780	1/2	626	1/2 3/4		1/2		1/2 3/4		1/2 3/4	
3/4 8	3/-	_		3/4 8		3/4 8		3/4 8		3/4 8	602	3/4 8		3/4 8		3/4 8		8	
_		_	F 4 40		4,065	\vdash	2,910	-	1,756	-						_			
1/4	1/-		5,140	1/4	4,041	1/4	2,886	1/4	1,732	1/4	578	1/4		1/4		1/4		1/4	
1/2	1/		5,128 5,117	1/2	4,017 3,993	1/2	2,862 2,838	1/2	1,708 1,684	1/2	553 529	1/2		1/2		1/2		1/2	
3/4	3/-	_	,	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	9	_	5,105	9	3,969	9	2,814	9	1,660	9	505	9		9		9		9	
1/4	1/-		5,093	1/4	3,945	1/4	2,790	1/4	1,636	1/4	481	1/4		1/4		1/4		1/4	
1/2	1/		5,070	1/2	3,921	1/2	2,766	1/2	1,612	1/2	457	1/2		1/2		1/2		1/2	
3/4	3/-	_	5,046	3/4	3,897	3/4	2,742	3/4	1,588	3/4	433	3/4		3/4		3/4		3/4	
10		0	5,023	10	3,873	10	2,718	10	1,564	10	409	10		10		10		10	
1/4	1/-		4,999	1/4	3,849	1/4	2,694	1/4	1,540	1/4	385	1/4		1/4		1/4		1/4	
1/2	1/.		4,975	1/2	3,825	1/2	2,670	1/2	1,516	1/2	361	1/2		1/2		1/2		1/2	
3/4	3/-	_	4,952	3/4	3,800	3/4	2,646	3/4	1,492	3/4	337	3/4		3/4		3/4		3/4	
11	1.	1	4,928	11	3,776	11	2,622	11	1,468	11	313	11		11		11		11	
1/4	1/-	/4	4,904	1/4	3,752	1/4	2,597	1/4	1,444	1/4	289	1/4		1/4		1/4		1/4	
1/2	1/.		4,881	1/2	3,728	1/2	2,574	1/2	1,419	1/2	265	1/2		1/2		1/2		1/2	
3/4	3/-	/4	4,857	3/4	3,704	3/4	2,550	3/4	1,395	3/4	241	3/4		3/4	OFFICI	3/4		3/4	MED TANK ON

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