



BARGE "MPC 307" ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
1 STBD	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-0/8	01-0/8	- 01-1/4	01-1/4
2 PORT	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
2 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
AFT DRAFT = 4'-00"
DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-3/8"
FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 134'-00"

July 26, 2014

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPC 307"

1 PORT

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 307"

GAUGE HEIGHT 15'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4		1/4	157,500	1/4	157,334	1/4	146,445	1/4	135,101	1/4	123,744	1/4	112,338	1/4	100,932	1/4	89,526	1/4	78,114
1/2		1/2	157,266	1/2	157,099	1/2	146,208	1/2	134,855	1/2	123,506	1/2	112,100	1/2	100,694	1/2	89,288	1/2	77,876
3/4		3/4	157,032	3/4	156,865	3/4	145,972	3/4	134,629	3/4	123,288	3/4	111,882	3/4	100,477	3/4	89,071	3/4	77,639
1	1	1	156,798	1	156,631	1	145,743	1	134,399	1	123,058	1	111,652	1	100,247	1	88,841	1	77,401
1/4	1/4	1/4	156,563	1/4	156,396	1/4	145,501	1/4	134,157	1/4	122,816	1/4	111,410	1/4	100,005	1/4	88,605	1/4	77,163
1/2	1/2	1/2	156,329	1/2	156,162	1/2	145,267	1/2	133,923	1/2	122,582	1/2	111,176	1/2	99,771	1/2	88,369	1/2	76,921
3/4	3/4	3/4	156,095	3/4	155,928	3/4	144,983	3/4	133,639	3/4	122,298	3/4	110,932	3/4	99,527	3/4	88,123	3/4	76,677
2	2	2	155,860	2	155,693	2	144,748	2	133,404	2	122,063	2	110,697	2	99,292	2	87,878	2	76,433
1/4	1/4	1/4	155,626	1/4	155,459	1/4	144,514	1/4	133,170	1/4	121,829	1/4	110,483	1/4	99,078	1/4	87,643	1/4	76,189
1/2	1/2	1/2	155,391	1/2	155,224	1/2	144,279	1/2	132,936	1/2	121,595	1/2	110,248	1/2	98,833	1/2	87,408	1/2	75,945
3/4	3/4	3/4	155,157	3/4	154,990	3/4	144,045	3/4	132,702	3/4	121,361	3/4	109,956	3/4	98,598	3/4	87,173	3/4	75,701
3	3	3	154,922	3	154,755	3	143,867	3	132,517	3	121,176	3	109,721	3	98,363	3	86,938	3	75,457
1/4	1/4	1/4	154,688	1/4	154,521	1/4	143,633	1/4	132,282	1/4	120,941	1/4	109,486	1/4	98,128	1/4	86,703	1/4	75,213
1/2	1/2	1/2	154,453	1/2	154,286	1/2	143,398	1/2	132,047	1/2	120,696	1/2	109,251	1/2	97,893	1/2	86,468	1/2	74,969
3/4	3/4	3/4	154,219	3/4	154,052	3/4	143,164	3/4	131,812	3/4	120,461	3/4	109,016	3/4	97,658	3/4	86,233	3/4	74,725
4	4	4	153,984	4	153,817	4	142,929	4	131,577	4	120,226	4	108,781	4	97,423	4	86,000	4	74,481
1/4	1/4	1/4	153,749	1/4	153,582	1/4	142,694	1/4	131,342	1/4	119,991	1/4	108,546	1/4	97,188	1/4	85,765	1/4	74,237
1/2	1/2	1/2	153,515	1/2	153,348	1/2	142,460	1/2	131,107	1/2	119,756	1/2	108,311	1/2	96,953	1/2	85,530	1/2	74,000
3/4	3/4	3/4	153,280	3/4	153,113	3/4	142,226	3/4	130,872	3/4	119,521	3/4	108,076	3/4	96,718	3/4	85,295	3/4	73,756
5	5	5	153,046	5	152,879	5	141,981	5	130,637	5	119,286	5	107,841	5	96,483	5	85,060	5	73,512
1/4	1/4	1/4	152,811	1/4	152,644	1/4	141,746	1/4	130,402	1/4	119,051	1/4	107,606	1/4	96,248	1/4	84,825	1/4	73,268
1/2	1/2	1/2	152,577	1/2	152,410	1/2	141,512	1/2	130,167	1/2	118,816	1/2	107,371	1/2	96,013	1/2	84,590	1/2	73,024
3/4	3/4	3/4	152,342	3/4	152,175	3/4	141,277	3/4	129,931	3/4	118,581	3/4	107,136	3/4	95,778	3/4	84,355	3/4	72,780
6	6	6	152,107	6	151,940	6	141,042	6	129,696	6	118,346	6	106,892	6	95,543	6	84,120	6	72,536
1/4	1/4	1/4	151,873	1/4	151,706	1/4	140,807	1/4	129,461	1/4	118,111	1/4	106,657	1/4	95,308	1/4	83,885	1/4	72,292
1/2	1/2	1/2	151,638	1/2	151,471	1/2	140,572	1/2	129,226	1/2	117,876	1/2	106,422	1/2	95,073	1/2	83,650	1/2	72,048
3/4	3/4	3/4	151,404	3/4	151,237	3/4	140,337	3/4	128,991	3/4	117,641	3/4	106,187	3/4	94,838	3/4	83,415	3/4	71,804
7	7	7	151,169	7	151,002	7	140,102	7	128,756	7	117,406	7	105,952	7	94,603	7	83,180	7	71,560
1/4	1/4	1/4	150,933	1/4	150,766	1/4	139,866	1/4	128,521	1/4	117,171	1/4	105,717	1/4	94,368	1/4	82,945	1/4	71,316
1/2	1/2	1/2	150,698	1/2	150,531	1/2	139,631	1/2	128,286	1/2	116,936	1/2	105,482	1/2	94,133	1/2	82,710	1/2	71,072
3/4	3/4	3/4	150,462	3/4	150,295	3/4	139,396	3/4	128,051	3/4	116,701	3/4	105,247	3/4	93,898	3/4	82,475	3/4	70,828
8	8	8	150,226	8	150,059	8	139,160	8	127,815	8	116,466	8	105,012	8	93,663	8	82,240	8	70,584
1/4	1/4	1/4	149,989	1/4	149,822	1/4	138,929	1/4	127,680	1/4	116,231	1/4	104,777	1/4	93,428	1/4	82,005	1/4	70,340
1/2	1/2	1/2	149,753	1/2	149,586	1/2	138,694	1/2	127,445	1/2	115,996	1/2	104,542	1/2	93,193	1/2	81,770	1/2	70,096
3/4	3/4	3/4	149,517	3/4	149,350	3/4	138,459	3/4	127,210	3/4	115,761	3/4	104,307	3/4	92,958	3/4	81,535	3/4	69,852
9	9	9	149,280	9	149,113	9	138,224	9	126,979	9	115,526	9	104,072	9	92,723	9	81,300	9	69,608
1/4	1/4	1/4	149,044	1/4	148,877	1/4	137,988	1/4	126,744	1/4	115,291	1/4	103,837	1/4	92,488	1/4	81,065	1/4	69,364
1/2	1/2	1/2	148,808	1/2	148,641	1/2	137,752	1/2	126,508	1/2	115,055	1/2	103,602	1/2	92,253	1/2	80,830	1/2	69,120
3/4	3/4	3/4	148,572	3/4	148,405	3/4	137,517	3/4	126,273	3/4	114,820	3/4	103,367	3/4	92,018	3/4	80,595	3/4	68,876
10	10	10	148,335	10	148,168	10	137,281	10	126,038	10	114,585	10	103,132	10	91,782	10	80,360	10	68,632
1/4	1/4	1/4	148,099	1/4	147,932	1/4	137,046	1/4	125,803	1/4	114,350	1/4	102,897	1/4	91,547	1/4	80,125	1/4	68,388
1/2	1/2	1/2	147,863	1/2	147,696	1/2	136,810	1/2	125,567	1/2	114,115	1/2	102,662	1/2	91,312	1/2	79,890	1/2	68,144
3/4	3/4	3/4	147,626	3/4	147,459	3/4	136,574	3/4	125,332	3/4	113,880	3/4	102,427	3/4	91,077	3/4	79,655	3/4	67,900
11	11	11	147,390	11	147,223	11	136,338	11	125,096	11	113,644	11	102,191	11	90,832	11	79,420	11	67,656
1/4	1/4	1/4	147,154	1/4	146,987	1/4	136,102	1/4	124,860	1/4	113,409	1/4	101,956	1/4	90,597	1/4	79,185	1/4	67,412
1/2	1/2	1/2	146,917	1/2	146,750	1/2	135,865	1/2	124,625	1/2	113,174	1/2	101,721	1/2	90,362	1/2	78,950	1/2	67,168
3/4	3/4	3/4	146,681	3/4	146,514	3/4	135,629	3/4	124,389	3/4	112,938	3/4	101,485	3/4	90,127	3/4	78,715	3/4	66,924

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS 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 TOP THREADS OF "MMC" GAUGE POINT.
GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

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



BARGE "MPC 307"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS																												FORMERLY "HFL 307"										GAUGE HEIGHT 15'-10"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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.	IN	20 FT.	IN	21 FT.	IN	22 FT.	IN	23 FT.	IN	24 FT.	IN	25 FT.	IN	26 FT.	IN	27 FT.	IN	28 FT.	IN	29 FT.	IN	30 FT.	IN	31 FT.	IN	32 FT.	IN	33 FT.	IN	34 FT.	IN	35 FT.	IN	36 FT.	IN	37 FT.	IN	38 FT.	IN	39 FT.	IN	40 FT.	IN	41 FT.	IN	42 FT.	IN	43 FT.	IN	44 FT.	IN	45 FT.	IN	46 FT.	IN	47 FT.	IN	48 FT.	IN	49 FT.	IN	50 FT.	IN	51 FT.	IN	52 FT.	IN	53 FT.	IN	54 FT.	IN	55 FT.	IN	56 FT.	IN	57 FT.	IN	58 FT.	IN	59 FT.	IN	60 FT.	IN	61 FT.	IN	62 FT.	IN	63 FT.	IN	64 FT.	IN	65 FT.	IN	66 FT.	IN	67 FT.	IN	68 FT.	IN	69 FT.	IN	70 FT.	IN	71 FT.	IN	72 FT.	IN	73 FT.	IN	74 FT.	IN	75 FT.	IN	76 FT.	IN	77 FT.	IN	78 FT.	IN	79 FT.	IN	80 FT.	IN	81 FT.	IN	82 FT.	IN	83 FT.	IN	84 FT.	IN	85 FT.	IN	86 FT.	IN	87 FT.	IN	88 FT.	IN	89 FT.	IN	90 FT.	IN	91 FT.	IN	92 FT.	IN	93 FT.	IN	94 FT.	IN	95 FT.	IN	96 FT.	IN	97 FT.	IN	98 FT.	IN	99 FT.	IN	100 FT.	IN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
0	66,702	0	55,051	0	43,877	0	32,515	0	21,146	0	9,734	0		0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2009 CL - SW
CALCULATED: 04/09/2009 CL
REPRINTED: 07/26/2014 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>

Paul Pearson



BARGE "MPC 307"

1 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 307"

GAUGE HEIGHT 15'-10"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	157,734	1/4	157,500	1/4	157,266	1/4	157,032	1/4	156,798	1/4	156,564	1/4	156,330	1/4	156,096	1/4	155,862	1/4	155,628
1/2	157,266	1/2	156,798	1/2	156,330	1/2	155,862	1/2	155,394	1/2	154,926	1/2	154,458	1/2	153,990	1/2	153,522	1/2	153,054
3/4	156,798	3/4	156,330	3/4	155,862	3/4	155,394	3/4	154,926	3/4	154,458	3/4	153,990	3/4	153,522	3/4	153,054	3/4	152,586
1	156,330	1	155,862	1	155,394	1	154,926	1	154,458	1	153,990	1	153,522	1	153,054	1	152,586	1	152,118
1/4	155,862	1/4	155,394	1/4	154,926	1/4	154,458	1/4	153,990	1/4	153,522	1/4	153,054	1/4	152,586	1/4	152,118	1/4	151,650
1/2	155,394	1/2	154,926	1/2	154,458	1/2	153,990	1/2	153,522	1/2	153,054	1/2	152,586	1/2	152,118	1/2	151,650	1/2	151,182
3/4	154,926	3/4	154,458	3/4	153,990	3/4	153,522	3/4	153,054	3/4	152,586	3/4	152,118	3/4	151,650	3/4	151,182	3/4	150,714
1	154,458	1	153,990	1	153,522	1	153,054	1	152,586	1	152,118	1	151,650	1	151,182	1	150,714	1	150,246
1/4	153,990	1/4	153,522	1/4	153,054	1/4	152,586	1/4	152,118	1/4	151,650	1/4	151,182	1/4	150,714	1/4	150,246	1/4	149,778
1/2	153,522	1/2	153,054	1/2	152,586	1/2	152,118	1/2	151,650	1/2	151,182	1/2	150,714	1/2	150,246	1/2	149,778	1/2	149,310
3/4	153,054	3/4	152,586	3/4	152,118	3/4	151,650	3/4	151,182	3/4	150,714	3/4	150,246	3/4	149,778	3/4	149,310	3/4	148,842
1	152,586	1	152,118	1	151,650	1	151,182	1	150,714	1	150,246	1	149,778	1	149,310	1	148,842	1	148,374
1/4	152,118	1/4	151,650	1/4	151,182	1/4	150,714	1/4	150,246	1/4	149,778	1/4	149,310	1/4	148,842	1/4	148,374	1/4	147,906
1/2	151,650	1/2	151,182	1/2	150,714	1/2	150,246	1/2	149,778	1/2	149,310	1/2	148,842	1/2	148,374	1/2	147,906	1/2	147,438
3/4	151,182	3/4	150,714	3/4	150,246	3/4	149,778	3/4	149,310	3/4	148,842	3/4	148,374	3/4	147,906	3/4	147,438	3/4	146,970
1	150,714	1	150,246	1	149,778	1	149,310	1	148,842	1	148,374	1	147,906	1	147,438	1	146,970	1	146,502
1/4	150,246	1/4	149,778	1/4	149,310	1/4	148,842	1/4	148,374	1/4	147,906	1/4	147,438	1/4	146,970	1/4	146,502	1/4	146,034
1/2	149,778	1/2	149,310	1/2	148,842	1/2	148,374	1/2	147,906	1/2	147,438	1/2	146,970	1/2	146,502	1/2	146,034	1/2	145,566
3/4	149,310	3/4	148,842	3/4	148,374	3/4	147,906	3/4	147,438	3/4	146,970	3/4	146,502	3/4	146,034	3/4	145,566	3/4	145,098
1	148,842	1	148,374	1	147,906	1	147,438	1	146,970	1	146,502	1	146,034	1	145,566	1	145,098	1	144,630
1/4	148,374	1/4	147,906	1/4	147,438	1/4	146,970	1/4	146,502	1/4	146,034	1/4	145,566	1/4	145,098	1/4	144,630	1/4	144,162
1/2	147,906	1/2	147,438	1/2	146,970	1/2	146,502	1/2	146,034	1/2	145,566	1/2	145,098	1/2	144,630	1/2	144,162	1/2	143,694
3/4	147,438	3/4	146,970	3/4	146,502	3/4	146,034	3/4	145,566	3/4	145,098	3/4	144,630	3/4	144,162	3/4	143,694	3/4	143,226
1	146,970	1	146,502	1	146,034	1	145,566	1	145,098	1	144,630	1	144,162	1	143,694	1	143,226	1	142,758
1/4	146,502	1/4	146,034	1/4	145,566	1/4	145,098	1/4	144,630	1/4	144,162	1/4	143,694	1/4	143,226	1/4	142,758	1/4	142,290
1/2	146,034	1/2	145,566	1/2	145,098	1/2	144,630	1/2	144,162	1/2	143,694	1/2	143,226	1/2	142,758	1/2	142,290	1/2	141,822
3/4	145,566	3/4	145,098	3/4	144,630	3/4	144,162	3/4	143,694	3/4	143,226	3/4	142,758	3/4	142,290	3/4	141,822	3/4	141,354
1	145,098	1	144,630	1	144,162	1	143,694	1	143,226	1	142,758	1	142,290	1	141,822	1	141,354	1	140,886
1/4	144,630	1/4	144,162	1/4	143,694	1/4	143,226	1/4	142,758	1/4	142,290	1/4	141,822	1/4	141,354	1/4	140,886	1/4	140,418
1/2	144,162	1/2	143,694	1/2	143,226	1/2	142,758	1/2	142,290	1/2	141,822	1/2	141,354	1/2	140,886	1/2	140,418	1/2	139,950
3/4	143,694	3/4	143,226	3/4	142,758	3/4	142,290	3/4	141,822	3/4	141,354	3/4	140,886	3/4	140,418	3/4	139,950	3/4	139,482
1	143,226	1	142,758	1	142,290	1	141,822	1	141,354	1	140,886	1	140,418	1	139,950	1	139,482	1	139,014
1/4	142,758	1/4	142,290	1/4	141,822	1/4	141,354	1/4	140,886	1/4	140,418	1/4	139,950	1/4	139,482	1/4	139,014	1/4	138,546
1/2	142,290	1/2	141,822	1/2	141,354	1/2	140,886	1/2	140,418	1/2	139,950	1/2	139,482	1/2	139,014	1/2	138,546	1/2	138,078
3/4	141,822	3/4	141,354	3/4	140,886	3/4	140,418	3/4	139,950	3/4	139,482	3/4	139,014	3/4	138,546	3/4	138,078	3/4	137,610
1	141,354	1	140,886	1	140,418	1	139,950	1	139,482	1	139,014	1	138,546	1	138,078	1	137,610	1	137,142
1/4	140,886	1/4	140,418	1/4	139,950	1/4	139,482	1/4	139,014	1/4	138,546	1/4	138,078	1/4	137,610	1/4	137,142	1/4	136,674
1/2	140,418	1/2	139,950	1/2	139,482	1/2	139,014	1/2	138,546	1/2	138,078	1/2	137,610	1/2	137,142	1/2	136,674	1/2	136,206
3/4	139,950	3/4	139,482	3/4	139,014	3/4	138,546	3/4	138,078	3/4	137,610	3/4	137,142	3/4	136,674	3/4	136,206	3/4	135,736
1	139,482	1	139,014	1	138,546	1	138,078	1	137,610	1	137,142	1	136,674	1	136,206	1	135,736	1	135,268
1/4	139,014	1/4	138,546	1/4	138,078	1/4	137,610	1/4	137,142	1/4	136,674	1/4	136,206	1/4	135,736	1/4	135,268	1/4	134,800
1/2	138,546	1/2	138,078	1/2	137,610	1/2	137,142	1/2	136,674	1/2	136,206	1/2	135,736	1/2	135,268	1/2	134,800	1/2	134,332
3/4	138,078	3/4	137,610	3/4	137,142	3/4	136,674	3/4	136,206	3/4	135,736	3/4	135,268	3/4	134,800	3/4	134,332	3/4	133,864
1	137,610	1	137,142	1	136,674	1	136,206	1	135,736	1	135,268	1	134,800	1	134,332	1	133,864	1	133,396
1/4	137,142	1/4	136,674	1/4	136,206	1/4	135,736	1/4	135,268	1/4	134,800	1/4	134,332	1/4	133,864	1/4	133,396	1/4	132,928
1/2	136,674	1/2	136,206	1/2	135,736	1/2	135,268	1/2	134,800	1/2	134,332	1/2	133,864	1/2	133,396	1/2	132,928	1/2	132,460
3/4	136,206	3/4	135,736	3/4	135,268	3/4	134,800	3/4	134,332	3/4	133,864	3/4	133,396	3/4	132,928	3/4	132,460	3/4	131,992
1	135,736	1	135,268	1	134,800	1	134,332	1	133,864	1	133,396	1	132,928	1	132,460	1	131,992	1	131,524
1/4	135,268	1/4	134,800	1/4	134,332	1/4	133,864	1/4	133,396	1/4	132,928	1/4	132,460	1/4	131,992	1/4	131,524	1/4	131,056
1/2	134,800	1/2	134,332	1/2	133,864	1/2	133,396	1/2	132,928	1/2	132,460	1/2	131,992	1/2	131,524	1/2	131,056	1/2	130,588
3/4	134,332	3/4	133,864	3/4	133,396	3/4	132,928	3/4	132,460	3/4	131,992	3/4	131,524	3/4	131,056	3/4	130,588	3/4	130,120
1	133,864	1	133,396	1	132,928	1	132,460	1	131,992	1	131,524	1	131,056	1	130,588	1	130,120	1	129,652
1/4																			



BARGE "MPC 307"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS																				FORMERLY "HFL 307"										GAUGE HEIGHT 15'-10"									
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	66,745	0	65,338	0	43,931	0	32,531	0	21,136	0	9,729	0		0		0																							
1/4	66,507	1/4	65,100	1/4	43,693	1/4	32,294	1/4	20,898	1/4	9,492	1/4		1/4		1/4		1/4																					
1/2	66,270	1/2	64,863	1/2	43,456	1/2	32,056	1/2	20,661	1/2	9,254	1/2		1/2		1/2		1/2																					
3/4	66,032	3/4	64,625	3/4	43,218	3/4	31,819	3/4	20,423	3/4	9,016	3/4		3/4		3/4		3/4																					
1	65,794	1	64,387	1	42,980	1	31,582	1	20,185	1	8,779	1		1		1		1																					
1 1/4	65,557	1 1/4	64,150	1 1/4	42,743	1 1/4	31,345	1 1/4	19,948	1 1/4	8,541	1 1/4		1 1/4		1 1/4		1 1/4																					
1 1/2	65,319	1 1/2	63,912	1 1/2	42,505	1 1/2	31,108	1 1/2	19,710	1 1/2	8,304	1 1/2		1 1/2		1 1/2		1 1/2																					
3/4	65,081	3/4	63,674	3/4	42,267	3/4	30,871	3/4	19,473	3/4	8,066	3/4		3/4		3/4		3/4																					
2	64,844	2	63,437	2	42,030	2	30,634	2	19,235	2	7,828	2		2		2		2																					
1/4	64,606	1/4	63,199	1/4	41,792	1/4	30,397	1/4	18,997	1/4	7,591	1/4		1/4		1/4		1/4																					
1/2	64,368	1/2	62,961	1/2	41,554	1/2	30,159	1/2	18,760	1/2	7,353	1/2		1/2		1/2		1/2																					
3/4	64,131	3/4	62,724	3/4	41,317	3/4	29,922	3/4	18,522	3/4	7,115	3/4		3/4		3/4		3/4																					
3	63,893	3	62,486	3	41,079	3	29,685	3	18,284	3	6,878	3		3		3		3																					
1 1/4	63,656	1 1/4	62,248	1 1/4	40,841	1 1/4	29,448	1 1/4	18,047	1 1/4	6,640	1 1/4		1 1/4		1 1/4		1 1/4																					
1 1/2	63,418	1 1/2	62,011	1 1/2	40,604	1 1/2	29,211	1 1/2	17,809	1 1/2	6,403	1 1/2		1 1/2		1 1/2		1 1/2																					
3/4	63,180	3/4	61,773	3/4	40,366	3/4	28,974	3/4	17,571	3/4	6,165	3/4		3/4		3/4		3/4																					
4	62,943	4	61,536	4	40,129	4	28,737	4	17,334	4	5,928	4		4		4		4																					
1/4	62,705	1/4	61,298	1/4	39,891	1/4	28,500	1/4	17,096	1/4	5,690	1/4		1/4		1/4		1/4																					
1/2	62,467	1/2	61,060	1/2	39,653	1/2	28,262	1/2	16,858	1/2	5,453	1/2		1/2		1/2		1/2																					
3/4	62,230	3/4	60,823	3/4	39,416	3/4	28,025	3/4	16,621	3/4	5,216	3/4		3/4		3/4		3/4																					
5	61,992	5	60,585	5	39,178	5	27,788	5	16,383	5	4,979	5		5		5		5																					
1 1/4	61,754	1 1/4	60,347	1 1/4	38,940	1 1/4	27,551	1 1/4	16,146	1 1/4	4,742	1 1/4		1 1/4		1 1/4		1 1/4																					
1 1/2	61,517	1 1/2	60,110	1 1/2	38,703	1 1/2	27,314	1 1/2	15,908	1 1/2	4,505	1 1/2		1 1/2		1 1/2		1 1/2																					
3/4	61,279	3/4	59,872	3/4	38,465	3/4	27,076	3/4	15,670	3/4	4,268	3/4		3/4		3/4		3/4																					
6	61,041	6	49,634	6	38,227	6	26,839	6	15,433	6	4,031	6		6		6		6																					
1 1/4	60,804	1 1/4	49,397	1 1/4	37,990	1 1/4	26,601	1 1/4	15,195	1 1/4	3,795	1 1/4		1 1/4		1 1/4		1 1/4																					
1 1/2	60,566	1 1/2	49,159	1 1/2	37,752	1 1/2	26,364	1 1/2	14,957	1 1/2	3,559	1 1/2		1 1/2		1 1/2		1 1/2																					
3/4	60,328	3/4	48,921	3/4	37,514	3/4	26,126	3/4	14,720	3/4	3,323	3/4		3/4		3/4		3/4																					
7	60,091	7	48,684	7	37,277	7	25,889	7	14,482	7	3,087	7		7		7		7																					
1 1/4	59,853	1 1/4	48,446	1 1/4	37,039	1 1/4	25,651	1 1/4	14,244	1 1/4	2,852	1 1/4		1 1/4		1 1/4		1 1/4																					
1 1/2	59,616	1 1/2	48,209	1 1/2	36,802	1 1/2	25,413	1 1/2	14,007	1 1/2	2,617	1 1/2		1 1/2		1 1/2		1 1/2																					
3/4	59,378	3/4	47,971	3/4	36,564	3/4	25,176	3/4	13,769	3/4	2,382	3/4		3/4		3/4		3/4																					
8	59,140	8	47,733	8	36,326	8	24,938	8	13,532	8	2,147	8		8		8		8																					
1 1/4	58,903	1 1/4	47,496	1 1/4	36,089	1 1/4	24,701	1 1/4	13,294	1 1/4	1,932	1 1/4		1 1/4		1 1/4		1 1/4																					
1 1/2	58,665	1 1/2	47,258	1 1/2	35,851	1 1/2	24,463	1 1/2	13,056	1 1/2	1,718	1 1/2		1 1/2		1 1/2		1 1/2																					
3/4	58,427	3/4	47,020	3/4	35,614	3/4	24,225	3/4	12,819	3/4	1,503	3/4		3/4		3/4		3/4																					
9	58,180	9	46,783	9	35,377	9	23,988	9	12,581	9	1,289	9		9		9		9																					
1 1/4	57,942	1 1/4	46,545	1 1/4	35,139	1 1/4	23,750	1 1/4	12,343	1 1/4	1,125	1 1/4		1 1/4		1 1/4		1 1/4																					
1 1/2	57,704	1 1/2	46,307	1 1/2	34,902	1 1/2	23,512	1 1/2	12,106	1 1/2	962	1 1/2		1 1/2		1 1/2		1 1/2																					
3/4	57,477	3/4	46,070	3/4	34,665	3/4	23,275	3/4	11,868	3/4	799	3/4		3/4		3/4		3/4																					
10	57,239	10	45,832	10	34,428	10	23,037	10	11,630	10	635	10		10		10		10																					
1 1/4	57,001	1 1/4	45,594	1 1/4	34,191	1 1/4	22,799	1 1/4	11,393	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4																					
1 1/2	56,764	1 1/2	45,357	1 1/2	33,954	1 1/2	22,562	1 1/2	11,155	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2																					
3/4	56,526	3/4	45,119	3/4	33,716	3/4	22,324	3/4	10,918	3/4		3/4		3/4		3/4		3/4																					
11	56,288	11	44,881	11	33,479	11	22,087	11	10,680	11		11		11		11		11																					
1 1/4	56,051	1 1/4	44,644	1 1/4	33,242	1 1/4	21,849	1 1/4	10,442	1 1/4		1 1/4		1 1/4		1 1/4		1 1/4																					
1 1/2	55,813	1 1/2	44,406	1 1/2	33,005	1 1/2	21,611	1 1/2	10,205	1 1/2		1 1/2		1 1/2		1 1/2		1 1/2																					
3/4	55,576	3/4	44,169	3/4	32,768	3/4	21,374	3/4	9,967	3/4		3/4		3/4		3/4		3/4																					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
<http://www.pma.com.net>

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REPRINTED: 07/26/2014 CL

CANCELS AND SUPERCEDES

ALL PRIOR TO 07/2014



GAUGE HEIGHT 15'-10"

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

<http://www.pharmacoprice.com>

BARGE "MPC 307"

2 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 307"

GAUGE HEIGHT 15'-10"

[illegible]

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 AT TOP THREADS OF "IMMC" GAUGE POINT.
 GAUGE POINT: (IMMC) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

PRECISION MEASUREMENT

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>

Chen



BARGE "MPC 307"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 307"

GAUGE HEIGHT 15'-10"

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	67,557	0	66,011	0	44,466	0	32,927	0	21,393	0	9,848	0		0		0		0	
1/4	67,317	1/4	65,771	1/4	44,225	1/4	32,687	1/4	21,152	1/4	9,607	1/4		1/4		1/4		1/4	
1/2	67,076	1/2	65,530	1/2	43,984	1/2	32,447	1/2	20,912	1/2	9,367	1/2		1/2		1/2		1/2	
3/4	66,836	3/4	65,290	3/4	43,744	3/4	32,207	3/4	20,671	3/4	9,126	3/4		3/4		3/4		3/4	
1	66,595	1	65,049	1	43,503	1	31,966	1	20,431	1	8,886	1		1		1		1	
1 1/4	66,354	1 1/4	64,808	1 1/4	43,263	1 1/4	31,726	1 1/4	20,190	1 1/4	8,645	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	66,114	1 1/2	64,568	1 1/2	43,022	1 1/2	31,486	1 1/2	19,950	1 1/2	8,404	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	65,873	3/4	64,328	3/4	42,782	3/4	31,246	3/4	19,709	3/4	8,164	3/4		3/4		3/4		3/4	
2	65,633	2	64,087	2	42,541	2	31,006	2	19,469	2	7,923	2		2		2		2	
1/4	65,392	1/4	63,846	1/4	42,301	1/4	30,766	1/4	19,228	1/4	7,683	1/4		1/4		1/4		1/4	
1/2	65,152	1/2	63,606	1/2	42,060	1/2	30,526	1/2	18,988	1/2	7,442	1/2		1/2		1/2		1/2	
3/4	64,911	3/4	63,365	3/4	41,820	3/4	30,286	3/4	18,747	3/4	7,202	3/4		3/4		3/4		3/4	
1	64,671	1	63,125	1	41,579	1	30,046	1	18,507	1	6,961	1		1		1		1	
1 1/4	64,430	1 1/4	62,884	1 1/4	41,339	1 1/4	29,806	1 1/4	18,266	1 1/4	6,721	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	64,190	1 1/2	62,644	1 1/2	41,098	1 1/2	29,566	1 1/2	18,026	1 1/2	6,481	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	63,949	3/4	62,403	3/4	40,857	3/4	29,326	3/4	17,785	3/4	6,240	3/4		3/4		3/4		3/4	
4	63,709	4	62,163	4	40,617	4	29,086	4	17,545	4	6,000	4		4		4		4	
1/4	63,468	1/4	61,922	1/4	40,376	1/4	28,846	1/4	17,304	1/4	5,760	1/4		1/4		1/4		1/4	
1/2	63,227	1/2	61,682	1/2	40,136	1/2	28,606	1/2	17,064	1/2	5,519	1/2		1/2		1/2		1/2	
3/4	62,987	3/4	61,441	3/4	39,895	3/4	28,366	3/4	16,823	3/4	5,279	3/4		3/4		3/4		3/4	
1	62,746	1	61,201	1	39,655	1	28,126	1	16,582	1	5,039	1		1		1		1	
1 1/4	62,506	1 1/4	60,960	1 1/4	39,414	1 1/4	27,886	1 1/4	16,342	1 1/4	4,799	1 1/4		1 1/4		1 1/4		1 1/4	
1 1/2	62,265	1 1/2	60,720	1 1/2	39,174	1 1/2	27,646	1 1/2	16,101	1 1/2	4,560	1 1/2		1 1/2		1 1/2		1 1/2	
3/4	62,025	3/4	60,479	3/4	38,933	3/4	27,406	3/4	15,861	3/4	4,320	3/4		3/4		3/4		3/4	
5	61,784	5	60,238	5	38,693	5	27,165	5	15,620	5	4,080	5		5		5		5	
1/4	61,544	1/4	59,998	1/4	38,452	1/4	26,925	1/4	15,380	1/4	3,841	1/4		1/4		1/4		1/4	
1/2	61,303	1/2	59,757	1/2	38,212	1/2	26,684	1/2	15,139	1/2	3,602	1/2		1/2		1/2		1/2	
3/4	61,063	3/4	59,517	3/4	37,971	3/4	26,444	3/4	14,899	3/4	3,363	3/4		3/4		3/4		3/4	
7	60,822	7	59,276	7	37,730	7	26,204	7	14,658	7	3,124	7		7		7		7	
1/4	60,582	1/4	59,036	1/4	37,490	1/4	25,963	1/4	14,418	1/4	2,886	1/4		1/4		1/4		1/4	
1/2	60,341	1/2	58,795	1/2	37,249	1/2	25,723	1/2	14,177	1/2	2,648	1/2		1/2		1/2		1/2	
3/4	60,100	3/4	58,555	3/4	37,009	3/4	25,482	3/4	13,937	3/4	2,410	3/4		3/4		3/4		3/4	
8	59,860	8	58,314	8	36,768	8	25,241	8	13,696	8	2,173	8		8		8		8	
1/4	59,619	1/4	58,074	1/4	36,528	1/4	25,001	1/4	13,456	1/4	1,966	1/4		1/4		1/4		1/4	
1/2	59,379	1/2	57,833	1/2	36,288	1/2	24,760	1/2	13,215	1/2	1,738	1/2		1/2		1/2		1/2	
3/4	59,138	3/4	57,593	3/4	36,047	3/4	24,520	3/4	12,975	3/4	1,521	3/4		3/4		3/4		3/4	
9	58,898	9	57,352	9	35,807	9	24,279	9	12,734	9	1,304	9		9		9		9	
1/4	58,657	1/4	57,111	1/4	35,567	1/4	24,039	1/4	12,493	1/4	1,139	1/4		1/4		1/4		1/4	
1/2	58,417	1/2	56,871	1/2	35,327	1/2	23,798	1/2	12,253	1/2	974	1/2		1/2		1/2		1/2	
3/4	58,176	3/4	56,630	3/4	35,087	3/4	23,558	3/4	12,012	3/4	808	3/4		3/4		3/4		3/4	
10	57,936	10	56,390	10	34,847	10	23,317	10	11,772	10	643	10		10		10		10	
1/4	57,695	1/4	56,149	1/4	34,607	1/4	23,077	1/4	11,531	1/4		1/4		1/4		1/4		1/4	
1/2	57,455	1/2	55,909	1/2	34,367	1/2	22,836	1/2	11,291	1/2		1/2		1/2		1/2		1/2	
3/4	57,214	3/4	55,668	3/4	34,127	3/4	22,596	3/4	11,050	3/4		3/4		3/4		3/4		3/4	
11	56,973	11	55,428	11	33,887	11	22,355	11	10,810	11		11		11		11		11	
1/4	56,733	1/4	55,187	1/4	33,647	1/4	22,115	1/4	10,569	1/4		1/4		1/4		1/4		1/4	
1/2	56,492	1/2	54,947	1/2	33,407	1/2	21,874	1/2	10,329	1/2		1/2		1/2		1/2		1/2	
3/4	56,252	3/4	54,706	3/4	33,167	3/4	21,634	3/4	10,088	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/08/2009 CL - SW
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PRECISION MEASUREMENT
& ANALYSIS, INC.

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

BARGE "MPC 307"

SLOP TANK

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 307"

GAUGE HEIGHT 4'-11 1/4"

[illegible]

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MEMS 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 INMAG GAUGES TAKEN TOP THREADS OF "MMC" GAUGE POINT

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