



BARGE "GBL 3230"

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	00-0/8	- 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
1 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
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 STBD	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8	00-0/8
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 = 5'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 3 PORT IS 00-0/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 25, 2012

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "GBL 3230"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	206,602	0	191,699	0	176,719	0	161,696	0	146,674	0	131,651	0	116,629	0	101,603		
1/4	1/4	1/4	206,292	1/4	191,387	1/4	176,406	1/4	161,383	1/4	146,361	1/4	131,338	1/4	116,316	1/4	101,290		
1/2	1/2	1/2	205,982	1/2	191,075	1/2	176,093	1/2	161,070	1/2	146,048	1/2	131,025	1/2	116,003	1/2	100,977		
3/4	3/4	3/4	205,673	3/4	190,763	3/4	175,780	3/4	160,757	3/4	145,735	3/4	130,712	3/4	115,690	3/4	100,664		
1	1	1	205,363	1	190,451	1	175,467	1	160,444	1	145,422	1	130,399	1	115,377	1	100,351		
1/4	1/4	1/4	205,053	1/4	190,139	1/4	175,154	1/4	160,131	1/4	145,109	1/4	130,087	1/4	115,064	1/4	100,038		
1/2	1/2	1/2	204,743	1/2	189,827	1/2	174,841	1/2	159,818	1/2	144,796	1/2	129,774	1/2	114,751	1/2	99,724		
3/4	3/4	3/4	204,433	3/4	189,514	3/4	174,528	3/4	159,506	3/4	144,483	3/4	129,461	3/4	114,438	3/4	99,411		
2	2	2	204,123	2	189,202	2	174,215	2	159,193	2	144,170	2	129,148	2	114,125	2	99,098		
1/4	1/4	1/4	203,813	1/4	188,890	1/4	173,902	1/4	158,880	1/4	143,857	1/4	128,835	1/4	113,812	1/4	98,785		
1/2	1/2	1/2	203,503	1/2	188,578	1/2	173,589	1/2	158,567	1/2	143,544	1/2	128,522	1/2	113,499	1/2	98,472		
3/4	3/4	3/4	203,194	3/4	188,266	3/4	173,276	3/4	158,254	3/4	143,231	3/4	128,209	3/4	113,186	3/4	98,159		
3	3	3	202,884	3	187,954	3	172,963	3	157,941	3	142,918	3	127,896	3	112,873	3	97,846		
1/4	1/4	1/4	202,574	1/4	187,642	1/4	172,650	1/4	157,628	1/4	142,605	1/4	127,583	1/4	112,560	1/4	97,533		
1/2	1/2	1/2	202,264	1/2	187,330	1/2	172,337	1/2	157,315	1/2	142,292	1/2	127,270	1/2	112,247	1/2	97,219		
3/4	3/4	3/4	201,954	3/4	187,018	3/4	172,024	3/4	157,002	3/4	141,979	3/4	126,957	3/4	111,934	3/4	96,906		
4	4	4	201,644	4	186,706	4	171,711	4	156,689	4	141,666	4	126,644	4	111,621	4	96,593		
1/4	1/4	1/4	201,334	1/4	186,394	1/4	171,398	1/4	156,376	1/4	141,353	1/4	126,331	1/4	111,308	1/4	96,280		
1/2	1/2	1/2	201,024	1/2	186,082	1/2	171,085	1/2	156,063	1/2	141,040	1/2	126,018	1/2	110,995	1/2	95,967		
3/4	3/4	3/4	200,715	3/4	185,770	3/4	170,772	3/4	155,750	3/4	140,727	3/4	125,705	3/4	110,682	3/4	95,654		
5	5	5	200,405	5	185,458	5	170,459	5	155,437	5	140,414	5	125,392	5	110,370	5	95,341		
1/4	1/4	1/4	200,095	1/4	185,146	1/4	170,146	1/4	155,124	1/4	140,101	1/4	125,079	1/4	110,057	1/4	95,028		
1/2	1/2	1/2	199,785	1/2	184,834	1/2	169,833	1/2	154,811	1/2	139,789	1/2	124,766	1/2	109,744	1/2	94,714		
3/4	3/4	3/4	199,475	3/4	184,522	3/4	169,520	3/4	154,498	3/4	139,476	3/4	124,453	3/4	109,431	3/4	94,401		
6	6	6	199,165	6	184,209	6	169,208	6	154,185	6	139,163	6	124,140	6	109,118	6	94,088		
1/4	1/4	1/4	198,855	1/4	183,897	1/4	168,895	1/4	153,872	1/4	138,850	1/4	123,827	1/4	108,805	1/4	93,775		
1/2	1/2	1/2	198,546	1/2	183,585	1/2	168,582	1/2	153,559	1/2	138,537	1/2	123,514	1/2	108,492	1/2	93,462		
3/4	3/4	3/4	198,236	3/4	183,273	3/4	168,269	3/4	153,246	3/4	138,224	3/4	123,201	3/4	108,179	3/4	93,149		
7	7	7	197,926	7	182,961	7	167,956	7	152,933	7	137,911	7	122,888	7	107,866	7	92,836		
1/4	1/4	1/4	197,616	1/4	182,649	1/4	167,643	1/4	152,620	1/4	137,598	1/4	122,575	1/4	107,552	1/4	92,523		
1/2	1/2	211,258	197,306	1/2	182,337	1/2	167,330	1/2	152,307	1/2	137,285	1/2	122,262	1/2	107,239	1/2	92,210		
3/4	3/4	211,088	196,996	3/4	182,025	3/4	167,017	3/4	151,994	3/4	136,972	3/4	121,949	3/4	106,926	3/4	91,896		
8	8	210,918	196,686	8	181,713	8	166,704	8	151,681	8	136,659	8	121,636	8	106,613	8	91,583		
1/4	1/4	210,703	196,376	1/4	181,401	1/4	166,391	1/4	151,368	1/4	136,346	1/4	121,323	1/4	106,300	1/4	91,270		
1/2	1/2	210,488	196,065	1/2	181,089	1/2	166,078	1/2	151,055	1/2	136,033	1/2	121,010	1/2	105,987	1/2	90,957		
3/4	3/4	210,273	195,754	3/4	180,777	3/4	165,765	3/4	150,742	3/4	135,720	3/4	120,697	3/4	105,674	3/4	90,644		
9	9	210,058	195,444	9	180,465	9	165,452	9	150,429	9	135,407	9	120,384	9	105,361	9	90,331		
1/4	1/4	209,798	195,131	1/4	180,153	1/4	165,139	1/4	150,116	1/4	135,094	1/4	120,072	1/4	105,047	1/4	90,018		
1/2	1/2	209,539	194,819	1/2	179,841	1/2	164,826	1/2	149,804	1/2	134,781	1/2	119,759	1/2	104,734	1/2	89,705		
3/4	3/4	209,279	194,507	3/4	179,529	3/4	164,513	3/4	149,491	3/4	134,468	3/4	119,446	3/4	104,421	3/4	89,391		
10	10	209,019	194,195	10	179,217	10	164,200	10	149,178	10	134,155	10	119,133	10	104,108	10	89,078		
1/4	1/4	208,724	193,883	1/4	178,905	1/4	163,887	1/4	148,865	1/4	133,842	1/4	118,820	1/4	103,795	1/4	88,765		
1/2	1/2	208,429	193,571	1/2	178,592	1/2	163,574	1/2	148,552	1/2	133,529	1/2	118,507	1/2	103,482	1/2	88,452		
3/4	3/4	208,133	193,259	3/4	178,280	3/4	163,261	3/4	148,239	3/4	133,216	3/4	118,194	3/4	103,169	3/4	88,139		
11	11	207,838	192,947	11	177,968	11	162,948	11	147,926	11	132,903	11	117,881	11	102,856	11	87,826		
1/4	1/4	207,529	192,635	1/4	177,656	1/4	162,635	1/4	147,613	1/4	132,590	1/4	117,568	1/4	102,542	1/4	87,513		
1/2	1/2	207,220	192,323	1/2	177,344	1/2	162,322	1/2	147,300	1/2	132,277	1/2	117,255	1/2	102,229	1/2	87,200		
3/4	3/4	206,911	192,011	3/4	177,031	3/4	162,009	3/4	146,987	3/4	131,964	3/4	116,942	3/4	101,916	3/4	86,886		

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 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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BARGE "GBL 3230"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	86,573	0	71,554	0	56,535	0	41,506	0	26,477	0	11,817	0		0		0		0	
1/4	86,260	1/4	71,241	1/4	56,222	1/4	41,193	1/4	26,164	1/4	11,532	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,947	1/2	70,929	1/2	55,909	1/2	40,880	1/2	25,850	1/2	11,247	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,634	3/4	70,616	3/4	55,596	3/4	40,567	3/4	25,537	3/4	10,963	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,321	1	70,304	1	55,283	1	40,254	1	25,224	1	10,678	1	1	1	1	1	1	1	1
1/4	85,008	1/4	69,991	1/4	54,970	1/4	39,940	1/4	24,911	1/4	10,398	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,695	1/2	69,679	1/2	54,657	1/2	39,627	1/2	24,598	1/2	10,117	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,381	3/4	69,366	3/4	54,344	3/4	39,314	3/4	24,285	3/4	9,836	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	84,068	2	69,054	2	54,030	2	39,001	2	23,972	2	9,555	2	2	2	2	2	2	2	2
1/4	83,755	1/4	68,741	1/4	53,717	1/4	38,688	1/4	23,659	1/4	9,279	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,442	1/2	68,429	1/2	53,404	1/2	38,375	1/2	23,346	1/2	9,002	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,129	3/4	68,116	3/4	53,091	3/4	38,062	3/4	23,032	3/4	8,725	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,816	3	67,803	3	52,778	3	37,749	3	22,719	3	8,448	3	3	3	3	3	3	3	3
1/4	82,503	1/4	67,491	1/4	52,465	1/4	37,436	1/4	22,406	1/4	8,175	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,190	1/2	67,178	1/2	52,152	1/2	37,122	1/2	22,093	1/2	7,902	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,877	3/4	66,866	3/4	51,839	3/4	36,809	3/4	21,780	3/4	7,629	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,563	4	66,553	4	51,526	4	36,496	4	21,467	4	7,356	4	4	4	4	4	4	4	4
1/4	81,250	1/4	66,240	1/4	51,212	1/4	36,183	1/4	21,154	1/4	7,087	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,937	1/2	65,928	1/2	50,899	1/2	35,870	1/2	20,841	1/2	6,818	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,624	3/4	65,615	3/4	50,586	3/4	35,557	3/4	20,529	3/4	6,549	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,311	5	65,302	5	50,273	5	35,244	5	20,216	5	6,280	5	5	5	5	5	5	5	5
1/4	79,998	1/4	64,989	1/4	49,960	1/4	34,931	1/4	19,905	1/4	6,014	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,685	1/2	64,676	1/2	49,647	1/2	34,618	1/2	19,594	1/2	5,749	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,372	3/4	64,363	3/4	49,334	3/4	34,304	3/4	19,283	3/4	5,484	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	79,058	6	64,050	6	49,021	6	33,991	6	18,972	6	5,219	6	6	6	6	6	6	6	6
1/4	78,745	1/4	63,737	1/4	48,708	1/4	33,678	1/4	18,664	1/4	4,957	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,432	1/2	63,424	1/2	48,394	1/2	33,365	1/2	18,356	1/2	4,696	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,119	3/4	63,111	3/4	48,081	3/4	33,052	3/4	18,048	3/4	4,435	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,806	7	62,798	7	47,768	7	32,739	7	17,740	7	4,173	7	7	7	7	7	7	7	7
1/4	77,493	1/4	62,485	1/4	47,455	1/4	32,426	1/4	17,437	1/4	3,916	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,181	1/2	62,171	1/2	47,142	1/2	32,113	1/2	17,133	1/2	3,659	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,868	3/4	61,858	3/4	46,829	3/4	31,800	3/4	16,829	3/4	3,401	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,555	8	61,545	8	46,516	8	31,486	8	16,525	8	3,144	8	8	8	8	8	8	8	8
1/4	76,242	1/4	61,232	1/4	46,203	1/4	31,173	1/4	16,225	1/4	2,891	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,930	1/2	60,919	1/2	45,890	1/2	30,860	1/2	15,925	1/2	2,638	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,617	3/4	60,606	3/4	45,576	3/4	30,547	3/4	15,625	3/4	2,386	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,304	9	60,293	9	45,263	9	30,234	9	15,325	9	2,133	9	9	9	9	9	9	9	9
1/4	74,992	1/4	59,980	1/4	44,950	1/4	29,921	1/4	15,028	1/4	1,904	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,679	1/2	59,667	1/2	44,637	1/2	29,608	1/2	14,732	1/2	1,674	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,367	3/4	59,353	3/4	44,324	3/4	29,295	3/4	14,436	3/4	1,445	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	74,054	10	59,040	10	44,011	10	28,982	10	14,140	10	1,216	10	10	10	10	10	10	10	10
1/4	73,742	1/4	58,727	1/4	43,698	1/4	28,668	1/4	13,847	1/4	1,048	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,429	1/2	58,414	1/2	43,385	1/2	28,355	1/2	13,555	1/2	880	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,117	3/4	58,101	3/4	43,072	3/4	28,042	3/4	13,263	3/4	714	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,804	11	57,788	11	42,758	11	27,729	11	12,970	11	544	11	11	11	11	11	11	11	11
1/4	72,492	1/4	57,475	1/4	42,445	1/4	27,416	1/4	12,682	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,179	1/2	57,162	1/2	42,132	1/2	27,103	1/2	12,394	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,866	3/4	56,849	3/4	41,819	3/4	26,790	3/4	12,105	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "GBL 3230"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	206,646	0	191,734	0	176,745	0	161,714	0	146,682	0	131,651	0	116,619	0	101,584
1/4		1/4		1/4	206,337	1/4	191,422	1/4	176,432	1/4	161,401	1/4	146,369	1/4	131,337	1/4	116,306	1/4	101,271
1/2		1/2		1/2	206,027	1/2	191,110	1/2	176,119	1/2	161,087	1/2	146,056	1/2	131,024	1/2	115,993	1/2	100,957
3/4		3/4		3/4	205,717	3/4	190,798	3/4	175,806	3/4	160,774	3/4	145,743	3/4	130,711	3/4	115,679	3/4	100,644
1		1		1	205,407	1	190,485	1	175,493	1	160,461	1	145,430	1	130,398	1	115,366	1	100,331
1/4		1/4		1/4	205,097	1/4	190,173	1/4	175,180	1/4	160,148	1/4	145,116	1/4	130,085	1/4	115,053	1/4	100,018
1/2		1/2		1/2	204,787	1/2	189,861	1/2	174,866	1/2	159,835	1/2	144,803	1/2	129,772	1/2	114,740	1/2	99,704
3/4		3/4		3/4	204,476	3/4	189,549	3/4	174,553	3/4	159,522	3/4	144,490	3/4	129,458	3/4	114,427	3/4	99,391
2		2		2	204,166	2	189,236	2	174,240	2	159,208	2	144,177	2	129,145	2	114,114	2	99,078
1/4		1/4		1/4	203,856	1/4	188,924	1/4	173,927	1/4	158,895	1/4	143,864	1/4	128,832	1/4	113,801	1/4	98,764
1/2		1/2		1/2	203,546	1/2	188,612	1/2	173,614	1/2	158,582	1/2	143,551	1/2	128,519	1/2	113,487	1/2	98,451
3/4		3/4		3/4	203,236	3/4	188,300	3/4	173,301	3/4	158,269	3/4	143,237	3/4	128,206	3/4	113,174	3/4	98,138
3		3		3	202,926	3	187,988	3	172,987	3	157,956	3	142,924	3	127,893	3	112,861	3	97,824
1/4		1/4		1/4	202,616	1/4	187,675	1/4	172,674	1/4	157,643	1/4	142,611	1/4	127,579	1/4	112,548	1/4	97,511
1/2		1/2		1/2	202,306	1/2	187,363	1/2	172,361	1/2	157,330	1/2	142,298	1/2	127,266	1/2	112,235	1/2	97,198
3/4		3/4		3/4	201,996	3/4	187,051	3/4	172,048	3/4	157,016	3/4	141,985	3/4	126,953	3/4	111,922	3/4	96,884
4		4		4	201,686	4	186,739	4	171,735	4	156,703	4	141,672	4	126,640	4	111,608	4	96,571
1/4		1/4		1/4	201,376	1/4	186,426	1/4	171,422	1/4	156,390	1/4	141,358	1/4	126,327	1/4	111,295	1/4	96,258
1/2		1/2		1/2	201,066	1/2	186,114	1/2	171,108	1/2	156,077	1/2	141,045	1/2	126,014	1/2	110,982	1/2	95,944
3/4		3/4		3/4	200,756	3/4	185,802	3/4	170,795	3/4	155,764	3/4	140,732	3/4	125,701	3/4	110,669	3/4	95,631
5		5		5	200,446	5	185,490	5	170,482	5	155,451	5	140,419	5	125,387	5	110,356	5	95,318
1/4		1/4		1/4	200,136	1/4	185,177	1/4	170,169	1/4	155,137	1/4	140,106	1/4	125,074	1/4	110,043	1/4	95,005
1/2		1/2		1/2	199,825	1/2	184,865	1/2	169,856	1/2	154,824	1/2	139,793	1/2	124,761	1/2	109,729	1/2	94,691
3/4		3/4		3/4	199,515	3/4	184,553	3/4	169,543	3/4	154,511	3/4	139,480	3/4	124,448	3/4	109,416	3/4	94,378
6		6		6	199,205	6	184,241	6	169,230	6	154,198	6	139,166	6	124,135	6	109,103	6	94,065
1/4		1/4		1/4	198,895	1/4	183,928	1/4	168,916	1/4	153,885	1/4	138,853	1/4	123,822	1/4	108,790	1/4	93,751
1/2		1/2		1/2	198,585	1/2	183,616	1/2	168,603	1/2	153,572	1/2	138,540	1/2	123,508	1/2	108,477	1/2	93,438
3/4		3/4		3/4	198,275	3/4	183,304	3/4	168,290	3/4	153,258	3/4	138,227	3/4	123,195	3/4	108,164	3/4	93,125
7		7		7	197,965	7	182,992	7	167,977	7	152,945	7	137,914	7	122,882	7	107,850	7	92,811
1/4		1/4		1/4	197,655	1/4	182,679	1/4	167,664	1/4	152,632	1/4	137,601	1/4	122,569	1/4	107,537	1/4	92,498
1/2		1/2		1/2	211,306	1/2	197,345	1/2	182,367	1/2	167,351	1/2	152,319	1/2	137,287	1/2	122,256	1/2	107,224
3/4		3/4		3/4	211,136	3/4	197,035	3/4	182,055	3/4	167,037	3/4	152,006	3/4	136,974	3/4	121,943	3/4	106,910
8		8		8	210,965	8	196,725	8	181,743	8	166,724	8	151,693	8	136,661	8	121,629	8	106,597
1/4		1/4		1/4	210,750	1/4	196,414	1/4	181,430	1/4	166,411	1/4	151,380	1/4	136,348	1/4	121,316	1/4	106,284
1/2		1/2		1/2	210,535	1/2	196,103	1/2	181,118	1/2	166,098	1/2	151,066	1/2	136,035	1/2	121,003	1/2	105,970
3/4		3/4		3/4	210,320	3/4	195,792	3/4	180,806	3/4	165,785	3/4	150,753	3/4	135,722	3/4	120,690	3/4	105,657
9		9		9	210,105	9	195,481	9	180,494	9	165,472	9	150,440	9	135,408	9	120,377	9	105,344
1/4		1/4		1/4	209,845	1/4	195,169	1/4	180,181	1/4	165,158	1/4	150,127	1/4	135,095	1/4	120,064	1/4	105,031
1/2		1/2		1/2	209,585	1/2	194,857	1/2	179,869	1/2	164,845	1/2	149,814	1/2	134,782	1/2	119,751	1/2	104,717
3/4		3/4		3/4	209,325	3/4	194,545	3/4	179,557	3/4	164,532	3/4	149,501	3/4	134,469	3/4	119,437	3/4	104,404
10		10		10	209,065	10	194,232	10	179,245	10	164,219	10	149,187	10	134,156	10	119,124	10	104,091
1/4		1/4		1/4	208,770	1/4	193,920	1/4	178,932	1/4	163,906	1/4	148,874	1/4	133,843	1/4	118,811	1/4	103,777
1/2		1/2		1/2	208,474	1/2	193,608	1/2	178,620	1/2	163,593	1/2	148,561	1/2	133,529	1/2	118,498	1/2	103,464
3/4		3/4		3/4	208,179	3/4	193,296	3/4	178,308	3/4	163,280	3/4	148,248	3/4	133,216	3/4	118,185	3/4	103,151
11		11		11	207,883	11	192,983	11	177,996	11	162,966	11	147,935	11	132,903	11	117,872	11	102,837
1/4		1/4		1/4	207,574	1/4	192,671	1/4	177,683	1/4	162,653	1/4	147,622	1/4	132,590	1/4	117,558	1/4	102,524
1/2		1/2		1/2	207,265	1/2	192,359	1/2	177,370	1/2	162,340	1/2	147,308	1/2	132,277	1/2	117,245	1/2	102,211
3/4		3/4		3/4	206,956	3/4	192,047	3/4	177,058	3/4	162,027	3/4	146,995	3/4	131,964	3/4	116,932	3/4	101,897

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 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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 Pearland, Texas 77588
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BARGE "GBL 3230"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	86,545	0	71,553	0	56,569	0	41,530	0	26,492	0	11,823	0		0		0		0	
1/4	86,232	1/4	71,242	1/4	56,255	1/4	41,217	1/4	26,178	1/4	11,538	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,919	1/2	70,931	1/2	55,942	1/2	40,903	1/2	25,865	1/2	11,253	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,605	3/4	70,620	3/4	55,629	3/4	40,590	3/4	25,552	3/4	10,969	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,292	1	70,310	1	55,315	1	40,277	1	25,238	1	10,684	1	1	1	1	1	1	1	1
1/4	84,979	1/4	69,999	1/4	55,002	1/4	39,964	1/4	24,925	1/4	10,403	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,665	1/2	69,688	1/2	54,689	1/2	39,650	1/2	24,612	1/2	10,122	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,352	3/4	69,377	3/4	54,375	3/4	39,337	3/4	24,298	3/4	9,841	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	84,039	2	69,066	2	54,062	2	39,024	2	23,985	2	9,560	2	2	2	2	2	2	2	2
1/4	83,725	1/4	68,755	1/4	53,749	1/4	38,710	1/4	23,672	1/4	9,283	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,412	1/2	68,444	1/2	53,435	1/2	38,397	1/2	23,359	1/2	9,006	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,099	3/4	68,133	3/4	53,122	3/4	38,084	3/4	23,045	3/4	8,729	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,785	3	67,822	3	52,809	3	37,770	3	22,732	3	8,452	3	3	3	3	3	3	3	3
1/4	82,472	1/4	67,511	1/4	52,496	1/4	37,457	1/4	22,419	1/4	8,179	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,159	1/2	67,200	1/2	52,182	1/2	37,144	1/2	22,105	1/2	7,906	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,846	3/4	66,889	3/4	51,869	3/4	36,830	3/4	21,792	3/4	7,633	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,532	4	66,578	4	51,556	4	36,517	4	21,479	4	7,360	4	4	4	4	4	4	4	4
1/4	81,219	1/4	66,267	1/4	51,242	1/4	36,204	1/4	21,166	1/4	7,091	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,906	1/2	65,955	1/2	50,929	1/2	35,891	1/2	20,853	1/2	6,821	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,592	3/4	65,644	3/4	50,616	3/4	35,577	3/4	20,540	3/4	6,552	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,279	5	65,332	5	50,302	5	35,264	5	20,227	5	6,283	5	5	5	5	5	5	5	5
1/4	79,966	1/4	65,020	1/4	49,989	1/4	34,951	1/4	19,916	1/4	6,017	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,652	1/2	64,708	1/2	49,676	1/2	34,637	1/2	19,604	1/2	5,752	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,339	3/4	64,396	3/4	49,363	3/4	34,324	3/4	19,293	3/4	5,487	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	79,026	6	64,083	6	49,049	6	34,011	6	18,982	6	5,221	6	6	6	6	6	6	6	6
1/4	78,713	1/4	63,771	1/4	48,736	1/4	33,697	1/4	18,674	1/4	4,960	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,400	1/2	63,458	1/2	48,423	1/2	33,384	1/2	18,366	1/2	4,698	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,087	3/4	63,146	3/4	48,109	3/4	33,071	3/4	18,058	3/4	4,437	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,775	7	62,833	7	47,796	7	32,758	7	17,750	7	4,175	7	7	7	7	7	7	7	7
1/4	77,463	1/4	62,520	1/4	47,483	1/4	32,444	1/4	17,446	1/4	3,918	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,152	1/2	62,207	1/2	47,169	1/2	32,131	1/2	17,142	1/2	3,660	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,840	3/4	61,894	3/4	46,856	3/4	31,818	3/4	16,838	3/4	3,403	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,529	8	61,581	8	46,543	8	31,504	8	16,534	8	3,145	8	8	8	8	8	8	8	8
1/4	76,218	1/4	61,268	1/4	46,230	1/4	31,191	1/4	16,233	1/4	2,893	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,907	1/2	60,955	1/2	45,916	1/2	30,878	1/2	15,933	1/2	2,640	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,596	3/4	60,641	3/4	45,603	3/4	30,564	3/4	15,633	3/4	2,387	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,285	9	60,328	9	45,290	9	30,251	9	15,333	9	2,134	9	9	9	9	9	9	9	9
1/4	74,974	1/4	60,015	1/4	44,976	1/4	29,938	1/4	15,036	1/4	1,904	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,663	1/2	59,702	1/2	44,663	1/2	29,625	1/2	14,740	1/2	1,675	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,352	3/4	59,388	3/4	44,350	3/4	29,311	3/4	14,444	3/4	1,446	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	74,041	10	59,075	10	44,036	10	28,998	10	14,147	10	1,216	10	10	10	10	10	10	10	10
1/4	73,730	1/4	58,762	1/4	43,723	1/4	28,685	1/4	13,855	1/4	1,048	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,419	1/2	58,448	1/2	43,410	1/2	28,371	1/2	13,562	1/2	880	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,108	3/4	58,135	3/4	43,097	3/4	28,058	3/4	13,270	3/4	714	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,797	11	57,822	11	42,783	11	27,745	11	12,977	11	544	11	11	11	11	11	11	11	11
1/4	72,486	1/4	57,508	1/4	42,470	1/4	27,431	1/4	12,689	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,175	1/2	57,195	1/2	42,157	1/2	27,118	1/2	12,400	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,864	3/4	56,882	3/4	41,843	3/4	26,805	3/4	12,111	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "GBL 3230"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	209,743	0	194,794	0	179,769	0	164,701	0	149,633	0	134,565	0	119,496	0	104,425
1/4	1/4	1/4	1/4	1/4	209,432	1/4	194,481	1/4	179,455	1/4	164,387	1/4	149,319	1/4	134,251	1/4	119,182	1/4	104,111
1/2	1/2	1/2	1/2	1/2	209,121	1/2	194,168	1/2	179,141	1/2	164,073	1/2	149,005	1/2	133,937	1/2	118,869	1/2	103,797
3/4	3/4	3/4	3/4	3/4	208,811	3/4	193,855	3/4	178,827	3/4	163,759	3/4	148,691	3/4	133,623	3/4	118,555	3/4	103,483
1		1		1	208,500	1	193,542	1	178,513	1	163,445	1	148,377	1	133,309	1	118,241	1	103,169
1/4	1/4	1/4	1/4	1/4	208,189	1/4	193,229	1/4	178,199	1/4	163,131	1/4	148,063	1/4	132,995	1/4	117,927	1/4	102,855
1/2	1/2	1/2	1/2	1/2	207,878	1/2	192,916	1/2	177,885	1/2	162,817	1/2	147,749	1/2	132,681	1/2	117,613	1/2	102,541
3/4	3/4	3/4	3/4	3/4	207,567	3/4	192,603	3/4	177,571	3/4	162,503	3/4	147,435	3/4	132,367	3/4	117,299	3/4	102,227
2		2		2	207,257	2	192,290	2	177,257	2	162,189	2	147,121	2	132,053	2	116,985	2	101,912
1/4	1/4	1/4	1/4	1/4	206,946	1/4	191,977	1/4	176,943	1/4	161,875	1/4	146,807	1/4	131,739	1/4	116,671	1/4	101,598
1/2	1/2	1/2	1/2	1/2	206,635	1/2	191,664	1/2	176,630	1/2	161,561	1/2	146,493	1/2	131,425	1/2	116,357	1/2	101,284
3/4	3/4	3/4	3/4	3/4	206,324	3/4	191,351	3/4	176,316	3/4	161,248	3/4	146,179	3/4	131,111	3/4	116,043	3/4	100,970
3		3		3	206,013	3	191,038	3	176,002	3	160,934	3	145,866	3	130,797	3	115,729	3	100,656
1/4	1/4	1/4	1/4	1/4	205,702	1/4	190,725	1/4	175,688	1/4	160,620	1/4	145,552	1/4	130,484	1/4	115,415	1/4	100,342
1/2	1/2	1/2	1/2	1/2	205,392	1/2	190,412	1/2	175,374	1/2	160,306	1/2	145,238	1/2	130,170	1/2	115,102	1/2	100,028
3/4	3/4	3/4	3/4	3/4	205,081	3/4	190,099	3/4	175,060	3/4	159,992	3/4	144,924	3/4	129,856	3/4	114,788	3/4	99,714
4		4		4	204,770	4	189,786	4	174,746	4	159,678	4	144,610	4	129,542	4	114,474	4	99,400
1/4	1/4	1/4	1/4	1/4	204,459	1/4	189,473	1/4	174,432	1/4	159,364	1/4	144,296	1/4	129,228	1/4	114,160	1/4	99,086
1/2	1/2	1/2	1/2	1/2	204,148	1/2	189,160	1/2	174,118	1/2	159,050	1/2	143,982	1/2	128,914	1/2	113,846	1/2	98,772
3/4	3/4	3/4	3/4	3/4	203,838	3/4	188,847	3/4	173,804	3/4	158,736	3/4	143,668	3/4	128,600	3/4	113,532	3/4	98,458
5		5		5	203,527	5	188,534	5	173,490	5	158,422	5	143,354	5	128,286	5	113,218	5	98,144
1/4	1/4	1/4	1/4	1/4	203,216	1/4	188,221	1/4	173,176	1/4	158,108	1/4	143,040	1/4	127,972	1/4	112,904	1/4	97,830
1/2	1/2	1/2	1/2	1/2	202,905	1/2	187,908	1/2	172,863	1/2	157,794	1/2	142,726	1/2	127,658	1/2	112,590	1/2	97,515
3/4	3/4	3/4	3/4	3/4	202,594	3/4	187,595	3/4	172,549	3/4	157,481	3/4	142,412	3/4	127,344	3/4	112,276	3/4	97,201
6		6		6	202,284	6	187,282	6	172,235	6	157,167	6	142,099	6	127,030	6	111,962	6	96,887
1/4	1/4	1/4	1/4	1/4	201,973	1/4	186,969	1/4	171,921	1/4	156,853	1/4	141,785	1/4	126,717	1/4	111,648	1/4	96,573
1/2	1/2	1/2	1/2	1/2	201,662	1/2	186,656	1/2	171,607	1/2	156,539	1/2	141,471	1/2	126,403	1/2	111,334	1/2	96,259
3/4	3/4	3/4	3/4	3/4	201,351	3/4	186,343	3/4	171,293	3/4	156,225	3/4	141,157	3/4	126,089	3/4	111,020	3/4	95,945
7		7		7	201,040	7	186,030	7	170,979	7	155,911	7	140,843	7	125,775	7	110,706	7	95,631
1/4	1/4	1/4	1/4	1/4	200,729	1/4	185,717	1/4	170,665	1/4	155,597	1/4	140,529	1/4	125,461	1/4	110,392	1/4	95,317
1/2	1/2	1/2	1/2	1/2	214,414	1/2	200,419	1/2	185,504	1/2	170,351	1/2	155,283	1/2	140,215	1/2	125,147	1/2	110,078
3/4	3/4	3/4	3/4	3/4	214,243	3/4	200,108	3/4	185,091	3/4	170,037	3/4	154,969	3/4	139,901	3/4	124,833	3/4	109,764
8		8		8	214,072	8	199,797	8	184,778	8	169,723	8	154,655	8	139,587	8	124,519	8	109,450
1/4	1/4	1/4	1/4	1/4	213,856	1/4	199,485	1/4	184,465	1/4	169,409	1/4	154,341	1/4	139,273	1/4	124,205	1/4	109,136
1/2	1/2	1/2	1/2	1/2	213,641	1/2	199,174	1/2	184,152	1/2	169,096	1/2	154,027	1/2	138,959	1/2	123,891	1/2	108,822
3/4	3/4	3/4	3/4	3/4	213,425	3/4	198,862	3/4	183,839	3/4	168,782	3/4	153,714	3/4	138,645	3/4	123,577	3/4	108,508
9		9		9	213,210	9	198,550	9	183,526	9	168,468	9	153,400	9	138,332	9	123,263	9	108,194
1/4	1/4	1/4	1/4	1/4	212,949	1/4	198,237	1/4	183,213	1/4	168,154	1/4	153,086	1/4	138,018	1/4	122,950	1/4	107,880
1/2	1/2	1/2	1/2	1/2	212,689	1/2	197,924	1/2	182,900	1/2	167,840	1/2	152,772	1/2	137,704	1/2	122,636	1/2	107,566
3/4	3/4	3/4	3/4	3/4	212,428	3/4	197,611	3/4	182,587	3/4	167,526	3/4	152,458	3/4	137,390	3/4	122,322	3/4	107,252
10		10		10	212,168	10	197,298	10	182,274	10	167,212	10	152,144	10	137,076	10	122,008	10	106,938
1/4	1/4	1/4	1/4	1/4	211,871	1/4	196,985	1/4	181,961	1/4	166,898	1/4	151,830	1/4	136,762	1/4	121,694	1/4	106,624
1/2	1/2	1/2	1/2	1/2	211,575	1/2	196,672	1/2	181,648	1/2	166,584	1/2	151,516	1/2	136,448	1/2	121,380	1/2	106,309
3/4	3/4	3/4	3/4	3/4	211,279	3/4	196,359	3/4	181,335	3/4	166,270	3/4	151,202	3/4	136,134	3/4	121,066	3/4	105,995
11		11		11	210,982	11	196,046	11	181,022	11	165,956	11	150,888	11	135,820	11	120,752	11	105,681
1/4	1/4	1/4	1/4	1/4	210,672	1/4	195,733	1/4	180,709	1/4	165,642	1/4	150,574	1/4	135,506	1/4	120,438	1/4	105,367
1/2	1/2	1/2	1/2	1/2	210,363	1/2	195,420	1/2	180,395	1/2	165,329	1/2	150,260	1/2	135,192	1/2	120,124	1/2	105,053
3/4	3/4	3/4	3/4	3/4	210,053	3/4	195,107	3/4	180,082	3/4	165,015	3/4	149,947	3/4	134,878	3/4	119,810	3/4	104,739

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 12'-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>



BARGE "GBL 3230"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	89,350	0	74,274	0	59,199	0	44,133	0	29,071	0	13,996	0		0		0		0	
1/4	89,036	1/4	73,960	1/4	58,885	1/4	43,820	1/4	28,757	1/4	13,682	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,722	1/2	73,646	1/2	58,571	1/2	43,506	1/2	28,443	1/2	13,368	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,407	3/4	73,332	3/4	58,257	3/4	43,193	3/4	28,129	3/4	13,054	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	88,093	1	73,018	1	57,943	1	42,879	1	27,815	1	12,740	1	1	1	1	1	1	1	1
1/4	87,779	1/4	72,704	1/4	57,628	1/4	42,566	1/4	27,500	1/4	12,425	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,465	1/2	72,390	1/2	57,314	1/2	42,252	1/2	27,186	1/2	12,111	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,151	3/4	72,076	3/4	57,000	3/4	41,939	3/4	26,872	3/4	11,797	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	86,837	2	71,762	2	56,686	2	41,625	2	26,558	2	11,483	2	2	2	2	2	2	2	2
1/4	86,523	1/4	71,448	1/4	56,372	1/4	41,312	1/4	26,244	1/4	11,169	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,209	1/2	71,134	1/2	56,058	1/2	40,998	1/2	25,930	1/2	10,855	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,895	3/4	70,819	3/4	55,744	3/4	40,685	3/4	25,616	3/4	10,541	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	85,581	3	70,505	3	55,430	3	40,371	3	25,302	3	10,227	3	3	3	3	3	3	3	3
1/4	85,267	1/4	70,191	1/4	55,116	1/4	40,058	1/4	24,988	1/4	9,913	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,953	1/2	69,877	1/2	54,802	1/2	39,745	1/2	24,674	1/2	9,599	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,639	3/4	69,563	3/4	54,488	3/4	39,431	3/4	24,360	3/4	9,285	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	84,325	4	69,249	4	54,174	4	39,118	4	24,046	4	8,971	4	4	4	4	4	4	4	4
1/4	84,010	1/4	68,935	1/4	53,860	1/4	38,804	1/4	23,732	1/4	8,657	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,696	1/2	68,621	1/2	53,546	1/2	38,490	1/2	23,418	1/2	8,343	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,382	3/4	68,307	3/4	53,231	3/4	38,177	3/4	23,104	3/4	8,029	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	83,068	5	67,993	5	52,917	5	37,863	5	22,790	5	7,715	5	5	5	5	5	5	5	5
1/4	82,754	1/4	67,679	1/4	52,603	1/4	37,550	1/4	22,475	1/4	7,400	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,440	1/2	67,365	1/2	52,289	1/2	37,236	1/2	22,161	1/2	7,086	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,126	3/4	67,051	3/4	51,975	3/4	36,922	3/4	21,847	3/4	6,772	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	81,812	6	66,737	6	51,661	6	36,608	6	21,533	6	6,458	6	6	6	6	6	6	6	6
1/4	81,498	1/4	66,422	1/4	51,347	1/4	36,294	1/4	21,219	1/4	6,144	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,184	1/2	66,108	1/2	51,033	1/2	35,980	1/2	20,905	1/2	5,830	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,870	3/4	65,794	3/4	50,719	3/4	35,666	3/4	20,591	3/4	5,516	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	80,556	7	65,480	7	50,405	7	35,352	7	20,277	7	5,202	7	7	7	7	7	7	7	7
1/4	80,242	1/4	65,166	1/4	50,091	1/4	35,038	1/4	19,963	1/4	4,888	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,928	1/2	64,852	1/2	49,777	1/2	34,724	1/2	19,649	1/2	4,574	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,613	3/4	64,538	3/4	49,463	3/4	34,410	3/4	19,335	3/4	4,261	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	79,299	8	64,224	8	49,149	8	34,096	8	19,021	8	3,947	8	8	8	8	8	8	8	8
1/4	78,985	1/4	63,910	1/4	48,836	1/4	33,782	1/4	18,707	1/4	3,634	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,671	1/2	63,596	1/2	48,522	1/2	33,468	1/2	18,393	1/2	3,320	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,357	3/4	63,282	3/4	48,208	3/4	33,154	3/4	18,079	3/4	3,007	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	78,043	9	62,968	9	47,895	9	32,840	9	17,765	9	2,694	9	9	9	9	9	9	9	9
1/4	77,729	1/4	62,654	1/4	47,581	1/4	32,525	1/4	17,450	1/4	2,400	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,415	1/2	62,340	1/2	47,268	1/2	32,211	1/2	17,136	1/2	2,107	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,101	3/4	62,025	3/4	46,954	3/4	31,897	3/4	16,822	3/4	1,814	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	76,787	10	61,711	10	46,641	10	31,583	10	16,508	10	1,520	10	10	10	10	10	10	10	10
1/4	76,473	1/4	61,397	1/4	46,328	1/4	31,269	1/4	16,194	1/4	1,298	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,159	1/2	61,083	1/2	46,014	1/2	30,955	1/2	15,880	1/2	1,075	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,845	3/4	60,769	3/4	45,701	3/4	30,641	3/4	15,566	3/4	853	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	75,531	11	60,455	11	45,387	11	30,327	11	15,252	11	630	11	11	11	11	11	11	11	11
1/4	75,216	1/4	60,141	1/4	45,074	1/4	30,013	1/4	14,938	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,902	1/2	59,827	1/2	44,760	1/2	29,699	1/2	14,624	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,588	3/4	59,513	3/4	44,447	3/4	29,385	3/4	14,310	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "GBL 3230"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	209,021	0	194,083	0	179,068	0	164,011	0	148,954	0	133,897	0	118,840	0	103,779
1/4	1/4	1/4	1/4	1/4	208,710	1/4	193,770	1/4	178,755	1/4	163,697	1/4	148,640	1/4	133,583	1/4	118,526	1/4	103,465
1/2	1/2	1/2	1/2	1/2	208,400	1/2	193,457	1/2	178,441	1/2	163,384	1/2	148,327	1/2	133,269	1/2	118,212	1/2	103,152
3/4	3/4	3/4	3/4	3/4	208,089	3/4	193,145	3/4	178,127	3/4	163,070	3/4	148,013	3/4	132,956	3/4	117,899	3/4	102,838
1		1		1	207,779	1	192,832	1	177,813	1	162,756	1	147,699	1	132,642	1	117,585	1	102,524
1/4	1/4	1/4	1/4	1/4	207,468	1/4	192,519	1/4	177,500	1/4	162,443	1/4	147,385	1/4	132,328	1/4	117,271	1/4	102,210
1/2	1/2	1/2	1/2	1/2	207,157	1/2	192,206	1/2	177,186	1/2	162,129	1/2	147,072	1/2	132,015	1/2	116,958	1/2	101,896
3/4	3/4	3/4	3/4	3/4	206,847	3/4	191,894	3/4	176,872	3/4	161,815	3/4	146,758	3/4	131,701	3/4	116,644	3/4	101,582
2		2		2	206,536	2	191,581	2	176,559	2	161,502	2	146,444	2	131,387	2	116,330	2	101,268
1/4	1/4	1/4	1/4	1/4	206,226	1/4	191,268	1/4	176,245	1/4	161,188	1/4	146,131	1/4	131,074	1/4	116,016	1/4	100,955
1/2	1/2	1/2	1/2	1/2	205,915	1/2	190,955	1/2	175,931	1/2	160,874	1/2	145,817	1/2	130,760	1/2	115,703	1/2	100,641
3/4	3/4	3/4	3/4	3/4	205,604	3/4	190,642	3/4	175,618	3/4	160,560	3/4	145,503	3/4	130,446	3/4	115,389	3/4	100,327
3		3		3	205,294	3	190,330	3	175,304	3	160,247	3	145,190	3	130,133	3	115,075	3	100,013
1/4	1/4	1/4	1/4	1/4	204,983	1/4	190,017	1/4	174,990	1/4	159,933	1/4	144,876	1/4	129,819	1/4	114,762	1/4	99,699
1/2	1/2	1/2	1/2	1/2	204,673	1/2	189,704	1/2	174,677	1/2	159,619	1/2	144,562	1/2	129,505	1/2	114,448	1/2	99,385
3/4	3/4	3/4	3/4	3/4	204,362	3/4	189,391	3/4	174,363	3/4	159,306	3/4	144,249	3/4	129,191	3/4	114,134	3/4	99,072
4		4		4	204,051	4	189,079	4	174,049	4	158,992	4	143,935	4	128,878	4	113,821	4	98,758
1/4	1/4	1/4	1/4	1/4	203,741	1/4	188,766	1/4	173,735	1/4	158,678	1/4	143,621	1/4	128,564	1/4	113,507	1/4	98,444
1/2	1/2	1/2	1/2	1/2	203,430	1/2	188,453	1/2	173,422	1/2	158,365	1/2	143,308	1/2	128,250	1/2	113,193	1/2	98,130
3/4	3/4	3/4	3/4	3/4	203,120	3/4	188,140	3/4	173,108	3/4	158,051	3/4	142,994	3/4	127,937	3/4	112,880	3/4	97,816
5		5		5	202,809	5	187,827	5	172,794	5	157,737	5	142,680	5	127,623	5	112,566	5	97,502
1/4	1/4	1/4	1/4	1/4	202,498	1/4	187,515	1/4	172,481	1/4	157,424	1/4	142,366	1/4	127,309	1/4	112,252	1/4	97,189
1/2	1/2	1/2	1/2	1/2	202,188	1/2	187,202	1/2	172,167	1/2	157,110	1/2	142,053	1/2	126,996	1/2	111,938	1/2	96,875
3/4	3/4	3/4	3/4	3/4	201,877	3/4	186,889	3/4	171,853	3/4	156,796	3/4	141,739	3/4	126,682	3/4	111,625	3/4	96,561
6		6		6	201,567	6	186,576	6	171,540	6	156,483	6	141,425	6	126,368	6	111,311	6	96,247
1/4	1/4	1/4	1/4	1/4	201,256	1/4	186,264	1/4	171,226	1/4	156,169	1/4	141,112	1/4	126,055	1/4	110,997	1/4	95,933
1/2	1/2	1/2	1/2	1/2	200,946	1/2	185,951	1/2	170,912	1/2	155,855	1/2	140,798	1/2	125,741	1/2	110,684	1/2	95,619
3/4	3/4	3/4	3/4	3/4	200,635	3/4	185,638	3/4	170,599	3/4	155,541	3/4	140,484	3/4	125,427	3/4	110,370	3/4	95,305
7		7		7	200,324	7	185,325	7	170,285	7	155,228	7	140,171	7	125,113	7	110,056	7	94,992
1/4	1/4	1/4	1/4	1/4	200,014	1/4	185,012	1/4	169,971	1/4	154,914	1/4	139,857	1/4	124,800	1/4	109,742	1/4	94,678
1/2	1/2	1/2	1/2	1/2	213,688	1/2	199,703	1/2	184,700	1/2	169,658	1/2	154,600	1/2	139,543	1/2	124,486	1/2	109,428
3/4	3/4	3/4	3/4	3/4	213,517	3/4	199,393	3/4	184,387	3/4	169,344	3/4	154,287	3/4	139,230	3/4	124,172	3/4	109,115
8		8		8	213,347	8	199,082	8	184,074	8	169,030	8	153,973	8	138,916	8	123,859	8	108,801
1/4	1/4	1/4	1/4	1/4	213,131	1/4	198,771	1/4	183,761	1/4	168,716	1/4	153,659	1/4	138,602	1/4	123,545	1/4	108,487
1/2	1/2	1/2	1/2	1/2	212,916	1/2	198,459	1/2	183,449	1/2	168,403	1/2	153,346	1/2	138,288	1/2	123,231	1/2	108,173
3/4	3/4	3/4	3/4	3/4	212,700	3/4	198,148	3/4	183,136	3/4	168,089	3/4	153,032	3/4	137,975	3/4	122,918	3/4	107,859
9		9		9	212,485	9	197,836	9	182,823	9	167,775	9	152,718	9	137,661	9	122,604	9	107,545
1/4	1/4	1/4	1/4	1/4	212,225	1/4	197,524	1/4	182,510	1/4	167,462	1/4	152,405	1/4	137,347	1/4	122,290	1/4	107,231
1/2	1/2	1/2	1/2	1/2	211,964	1/2	197,211	1/2	182,197	1/2	167,148	1/2	152,091	1/2	137,034	1/2	121,977	1/2	106,918
3/4	3/4	3/4	3/4	3/4	211,704	3/4	196,898	3/4	181,885	3/4	166,834	3/4	151,777	3/4	136,720	3/4	121,663	3/4	106,604
10		10		10	211,444	10	196,585	10	181,572	10	166,521	10	151,463	10	136,406	10	121,349	10	106,290
1/4	1/4	1/4	1/4	1/4	211,148	1/4	196,272	1/4	181,259	1/4	166,207	1/4	151,150	1/4	136,093	1/4	121,035	1/4	105,976
1/2	1/2	1/2	1/2	1/2	210,852	1/2	195,960	1/2	180,946	1/2	165,893	1/2	150,836	1/2	135,779	1/2	120,722	1/2	105,662
3/4	3/4	3/4	3/4	3/4	210,555	3/4	195,647	3/4	180,633	3/4	165,580	3/4	150,522	3/4	135,465	3/4	120,408	3/4	105,348
11		11		11	210,259	11	195,334	11	180,321	11	165,266	11	150,209	11	135,152	11	120,094	11	105,035
1/4	1/4	1/4	1/4	1/4	209,950	1/4	195,021	1/4	180,008	1/4	164,952	1/4	149,895	1/4	134,838	1/4	119,781	1/4	104,721
1/2	1/2	1/2	1/2	1/2	209,640	1/2	194,709	1/2	179,694	1/2	164,638	1/2	149,581	1/2	134,524	1/2	119,467	1/2	104,407
3/4	3/4	3/4	3/4	3/4	209,330	3/4	194,396	3/4	179,381	3/4	164,325	3/4	149,268	3/4	134,210	3/4	119,153	3/4	104,093

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 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "GBL 3230"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	88,715	0	73,764	0	58,978	0	44,101	0	29,050	0	13,986	0		0		0		0	
1/4	88,401	1/4	73,456	1/4	58,670	1/4	43,788	1/4	28,736	1/4	13,672	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,087	1/2	73,148	1/2	58,362	1/2	43,475	1/2	28,422	1/2	13,358	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,773	3/4	72,840	3/4	58,054	3/4	43,161	3/4	28,108	3/4	13,044	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	87,459	1	72,532	1	57,746	1	42,848	1	27,794	1	12,730	1	1	1	1	1	1	1	1
1/4	87,146	1/4	72,224	1/4	57,438	1/4	42,535	1/4	27,480	1/4	12,416	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,832	1/2	71,916	1/2	57,130	1/2	42,222	1/2	27,167	1/2	12,103	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,518	3/4	71,608	3/4	56,822	3/4	41,908	3/4	26,853	3/4	11,789	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	86,204	2	71,299	2	56,514	2	41,595	2	26,539	2	11,475	2	2	2	2	2	2	2	2
1/4	85,890	1/4	70,991	1/4	56,206	1/4	41,282	1/4	26,225	1/4	11,161	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,576	1/2	70,683	1/2	55,898	1/2	40,969	1/2	25,911	1/2	10,847	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,262	3/4	70,375	3/4	55,590	3/4	40,655	3/4	25,597	3/4	10,533	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	84,949	3	70,067	3	55,282	3	40,342	3	25,284	3	10,220	3	3	3	3	3	3	3	3
1/4	84,635	1/4	69,759	1/4	54,974	1/4	40,029	1/4	24,970	1/4	9,906	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,321	1/2	69,451	1/2	54,666	1/2	39,716	1/2	24,656	1/2	9,592	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,007	3/4	69,143	3/4	54,358	3/4	39,402	3/4	24,342	3/4	9,278	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	83,693	4	68,835	4	54,050	4	39,089	4	24,028	4	8,964	4	4	4	4	4	4	4	4
1/4	83,379	1/4	68,527	1/4	53,742	1/4	38,776	1/4	23,714	1/4	8,650	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,066	1/2	68,219	1/2	53,434	1/2	38,463	1/2	23,401	1/2	8,337	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,752	3/4	67,911	3/4	53,126	3/4	38,149	3/4	23,087	3/4	8,023	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	82,438	5	67,603	5	52,818	5	37,836	5	22,773	5	7,709	5	5	5	5	5	5	5	5
1/4	82,124	1/4	67,295	1/4	52,510	1/4	37,522	1/4	22,459	1/4	7,395	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,810	1/2	66,987	1/2	52,202	1/2	37,209	1/2	22,145	1/2	7,081	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,496	3/4	66,679	3/4	51,894	3/4	36,895	3/4	21,831	3/4	6,767	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	81,183	6	66,371	6	51,586	6	36,582	6	21,518	6	6,454	6	6	6	6	6	6	6	6
1/4	80,870	1/4	66,063	1/4	51,278	1/4	36,268	1/4	21,204	1/4	6,140	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,557	1/2	65,755	1/2	50,970	1/2	35,954	1/2	20,890	1/2	5,826	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,244	3/4	65,447	3/4	50,662	3/4	35,640	3/4	20,576	3/4	5,512	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	79,932	7	65,139	7	50,354	7	35,326	7	20,262	7	5,198	7	7	7	7	7	7	7	7
1/4	79,622	1/4	64,831	1/4	50,044	1/4	35,012	1/4	19,948	1/4	4,885	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,312	1/2	64,523	1/2	49,734	1/2	34,699	1/2	19,635	1/2	4,571	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,002	3/4	64,215	3/4	49,424	3/4	34,385	3/4	19,321	3/4	4,257	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	78,692	8	63,907	8	49,113	8	34,071	8	19,007	8	3,944	8	8	8	8	8	8	8	8
1/4	78,384	1/4	63,599	1/4	48,800	1/4	33,757	1/4	18,693	1/4	3,631	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,076	1/2	63,291	1/2	48,487	1/2	33,443	1/2	18,379	1/2	3,318	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,768	3/4	62,983	3/4	48,173	3/4	33,129	3/4	18,065	3/4	3,005	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	77,460	9	62,675	9	47,860	9	32,816	9	17,752	9	2,692	9	9	9	9	9	9	9	9
1/4	77,152	1/4	62,367	1/4	47,547	1/4	32,502	1/4	17,438	1/4	2,399	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,844	1/2	62,059	1/2	47,234	1/2	32,188	1/2	17,124	1/2	2,105	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,536	3/4	61,751	3/4	46,920	3/4	31,874	3/4	16,810	3/4	1,812	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	76,228	10	61,443	10	46,607	10	31,560	10	16,496	10	1,519	10	10	10	10	10	10	10	10
1/4	75,920	1/4	61,135	1/4	46,294	1/4	31,246	1/4	16,182	1/4	1,297	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,612	1/2	60,827	1/2	45,981	1/2	30,933	1/2	15,869	1/2	1,074	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,304	3/4	60,519	3/4	45,667	3/4	30,619	3/4	15,555	3/4	852	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	74,996	11	60,211	11	45,354	11	30,305	11	15,241	11	630	11	11	11	11	11	11	11	11
1/4	74,688	1/4	59,903	1/4	45,041	1/4	29,991	1/4	14,927	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,380	1/2	59,594	1/2	44,728	1/2	29,677	1/2	14,613	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,072	3/4	59,286	3/4	44,414	3/4	29,363	3/4	14,299	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "GBL 3230"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	189,762	0	179,480	0	169,146	0	158,783	0	148,276	0	133,914	0	118,929	0	103,936
1/4	1/4	1/4	1/4	1/4	189,548	1/4	179,265	1/4	168,930	1/4	158,567	1/4	148,022	1/4	133,602	1/4	118,617	1/4	103,624
1/2	1/2	1/2	1/2	1/2	189,334	1/2	179,050	1/2	168,714	1/2	158,351	1/2	147,769	1/2	133,290	1/2	118,305	1/2	103,311
3/4	3/4	3/4	3/4	3/4	189,121	3/4	178,834	3/4	168,498	3/4	158,135	3/4	147,515	3/4	132,978	3/4	117,992	3/4	102,998
1		1		1	188,907	1	178,619	1	168,282	1	157,919	1	147,262	1	132,666	1	117,680	1	102,686
1/4	1/4	1/4	1/4	1/4	188,693	1/4	178,404	1/4	168,066	1/4	157,703	1/4	146,995	1/4	132,353	1/4	117,368	1/4	102,373
1/2	1/2	1/2	1/2	1/2	188,479	1/2	178,189	1/2	167,850	1/2	157,487	1/2	146,727	1/2	132,041	1/2	117,056	1/2	102,061
3/4	3/4	3/4	3/4	3/4	188,266	3/4	177,973	3/4	167,634	3/4	157,272	3/4	146,460	3/4	131,729	3/4	116,744	3/4	101,748
2		2		2	188,052	2	177,758	2	167,419	2	157,056	2	146,193	2	131,417	2	116,431	2	101,435
1/4	1/4	1/4	1/4	1/4	187,838	1/4	177,543	1/4	167,203	1/4	156,840	1/4	145,912	1/4	131,105	1/4	116,119	1/4	101,123
1/2	1/2	1/2	1/2	1/2	187,624	1/2	177,327	1/2	166,987	1/2	156,624	1/2	145,631	1/2	130,792	1/2	115,807	1/2	100,810
3/4	3/4	3/4	3/4	3/4	187,410	3/4	177,112	3/4	166,771	3/4	156,408	3/4	145,350	3/4	130,480	3/4	115,495	3/4	100,498
3		3		3	187,197	3	176,897	3	166,555	3	156,192	3	145,069	3	130,168	3	115,183	3	100,185
1/4	1/4	1/4	1/4	1/4	186,983	1/4	176,682	1/4	166,339	1/4	155,976	1/4	144,774	1/4	129,856	1/4	114,870	1/4	99,872
1/2	1/2	1/2	1/2	1/2	186,769	1/2	176,466	1/2	166,123	1/2	155,760	1/2	144,478	1/2	129,544	1/2	114,558	1/2	99,560
3/4	3/4	3/4	3/4	3/4	186,555	3/4	176,251	3/4	165,907	3/4	155,544	3/4	144,183	3/4	129,231	3/4	114,246	3/4	99,247
4		4		4	186,342	4	176,036	4	165,691	4	155,329	4	143,887	4	128,919	4	113,934	4	98,935
1/4	1/4	1/4	1/4	1/4	186,128	1/4	175,820	1/4	165,475	1/4	155,113	1/4	143,579	1/4	128,607	1/4	113,622	1/4	98,622
1/2	1/2	1/2	1/2	1/2	185,914	1/2	175,605	1/2	165,260	1/2	154,897	1/2	143,272	1/2	128,295	1/2	113,309	1/2	98,309
3/4	3/4	3/4	3/4	3/4	185,700	3/4	175,390	3/4	165,044	3/4	154,681	3/4	142,964	3/4	127,983	3/4	112,997	3/4	97,997
5		5		5	185,486	5	175,175	5	164,828	5	154,465	5	142,656	5	127,670	5	112,685	5	97,684
1/4	1/4	1/4	1/4	1/4	185,273	1/4	174,959	1/4	164,612	1/4	154,249	1/4	142,344	1/4	127,358	1/4	112,373	1/4	97,372
1/2	1/2	1/2	1/2	1/2	185,059	1/2	174,744	1/2	164,396	1/2	154,033	1/2	142,031	1/2	127,046	1/2	112,061	1/2	97,059
3/4	3/4	3/4	3/4	3/4	184,845	3/4	174,529	3/4	164,180	3/4	153,817	3/4	141,719	3/4	126,734	3/4	111,749	3/4	96,746
6		6		6	184,631	6	174,313	6	163,964	6	153,601	6	141,407	6	126,422	6	111,436	6	96,434
1/4	1/4	1/4	1/4	1/4	184,418	1/4	174,098	1/4	163,748	1/4	153,385	1/4	141,095	1/4	126,109	1/4	111,124	1/4	96,121
1/2	1/2	1/2	1/2	1/2	184,204	1/2	173,883	1/2	163,532	1/2	153,170	1/2	140,783	1/2	125,797	1/2	110,812	1/2	95,809
3/4	3/4	3/4	3/4	3/4	183,990	3/4	173,668	3/4	163,317	3/4	152,954	3/4	140,470	3/4	125,485	3/4	110,500	3/4	95,496
7		7		7	183,776	7	173,452	7	163,101	7	152,738	7	140,158	7	125,173	7	110,187	7	95,183
1/4	1/4	1/4	1/4	1/4	183,562	1/4	173,237	1/4	162,885	1/4	152,522	1/4	139,846	1/4	124,861	1/4	109,875	1/4	94,871
1/2	1/2	1/2	1/2	1/2	192,974	1/2	183,349	1/2	173,022	1/2	162,669	1/2	152,306	1/2	139,534	1/2	124,549	1/2	109,563
3/4	3/4	3/4	3/4	3/4	192,857	3/4	183,135	3/4	172,806	3/4	162,453	3/4	152,090	3/4	139,222	3/4	124,236	3/4	109,250
8		8		8	192,739	8	182,921	8	172,591	8	162,237	8	151,874	8	138,909	8	123,924	8	108,938
1/4	1/4	1/4	1/4	1/4	192,591	1/4	182,707	1/4	172,376	1/4	162,021	1/4	151,658	1/4	138,597	1/4	123,612	1/4	108,625
1/2	1/2	1/2	1/2	1/2	192,443	1/2	182,492	1/2	172,161	1/2	161,805	1/2	151,442	1/2	138,285	1/2	123,300	1/2	108,313
3/4	3/4	3/4	3/4	3/4	192,295	3/4	182,278	3/4	171,945	3/4	161,589	3/4	151,227	3/4	137,973	3/4	122,988	3/4	108,000
9		9		9	192,146	9	182,064	9	171,730	9	161,374	9	151,011	9	137,661	9	122,675	9	107,687
1/4	1/4	1/4	1/4	1/4	191,967	1/4	181,848	1/4	171,515	1/4	161,158	1/4	150,793	1/4	137,349	1/4	122,363	1/4	107,375
1/2	1/2	1/2	1/2	1/2	191,788	1/2	181,633	1/2	171,299	1/2	160,942	1/2	150,575	1/2	137,036	1/2	122,051	1/2	107,062
3/4	3/4	3/4	3/4	3/4	191,609	3/4	181,418	3/4	171,084	3/4	160,726	3/4	150,357	3/4	136,724	3/4	121,739	3/4	106,750
10		10		10	191,430	10	181,203	10	170,869	10	160,510	10	150,140	10	136,412	10	121,427	10	106,437
1/4	1/4	1/4	1/4	1/4	191,226	1/4	180,987	1/4	170,654	1/4	160,294	1/4	149,914	1/4	136,100	1/4	121,114	1/4	106,124
1/2	1/2	1/2	1/2	1/2	191,022	1/2	180,772	1/2	170,438	1/2	160,078	1/2	149,687	1/2	135,788	1/2	120,802	1/2	105,812
3/4	3/4	3/4	3/4	3/4	190,818	3/4	180,557	3/4	170,223	3/4	159,862	3/4	149,461	3/4	135,475	3/4	120,490	3/4	105,499
11		11		11	190,614	11	180,341	11	170,008	11	159,646	11	149,235	11	135,163	11	120,178	11	105,187
1/4	1/4	1/4	1/4	1/4	190,401	1/4	180,126	1/4	169,792	1/4	159,430	1/4	148,996	1/4	134,851	1/4	119,866	1/4	104,874
1/2	1/2	1/2	1/2	1/2	190,188	1/2	179,911	1/2	169,577	1/2	159,215	1/2	148,756	1/2	134,539	1/2	119,553	1/2	104,561
3/4	3/4	3/4	3/4	3/4	189,975	3/4	179,696	3/4	169,361	3/4	158,999	3/4	148,516	3/4	134,227	3/4	119,241	3/4	104,249

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 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "GBL 3230"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	88,931	0	73,926	0	58,922	0	43,927	0	28,935	0	13,930	0		0		0		0	
1/4	88,619	1/4	73,614	1/4	58,609	1/4	43,615	1/4	28,622	1/4	13,618	1/4		1/4		1/4		1/4	
1/2	88,306	1/2	73,301	1/2	58,296	1/2	43,303	1/2	28,310	1/2	13,305	1/2		1/2		1/2		1/2	
3/4	87,994	3/4	72,989	3/4	57,984	3/4	42,991	3/4	27,997	3/4	12,993	3/4		3/4		3/4		3/4	
1	87,681	1	72,676	1	57,671	1	42,679	1	27,684	1	12,680	1		1		1		1	
1/4	87,368	1/4	72,363	1/4	57,359	1/4	42,367	1/4	27,372	1/4	12,367	1/4		1/4		1/4		1/4	
1/2	87,056	1/2	72,051	1/2	57,046	1/2	42,055	1/2	27,059	1/2	12,055	1/2		1/2		1/2		1/2	
3/4	86,743	3/4	71,738	3/4	56,733	3/4	41,743	3/4	26,747	3/4	11,742	3/4		3/4		3/4		3/4	
2	86,431	2	71,426	2	56,421	2	41,431	2	26,434	2	11,430	2		2		2		2	
1/4	86,118	1/4	71,113	1/4	56,108	1/4	41,119	1/4	26,121	1/4	11,117	1/4		1/4		1/4		1/4	
1/2	85,805	1/2	70,800	1/2	55,796	1/2	40,807	1/2	25,809	1/2	10,804	1/2		1/2		1/2		1/2	
3/4	85,493	3/4	70,488	3/4	55,483	3/4	40,495	3/4	25,496	3/4	10,492	3/4		3/4		3/4		3/4	
3	85,180	3	70,175	3	55,170	3	40,183	3	25,184	3	10,179	3		3		3		3	
1/4	84,867	1/4	69,863	1/4	54,858	1/4	39,871	1/4	24,871	1/4	9,867	1/4		1/4		1/4		1/4	
1/2	84,555	1/2	69,550	1/2	54,545	1/2	39,558	1/2	24,558	1/2	9,554	1/2		1/2		1/2		1/2	
3/4	84,242	3/4	69,237	3/4	54,233	3/4	39,246	3/4	24,246	3/4	9,241	3/4		3/4		3/4		3/4	
4	83,930	4	68,925	4	53,920	4	38,934	4	23,933	4	8,929	4		4		4		4	
1/4	83,617	1/4	68,612	1/4	53,607	1/4	38,622	1/4	23,621	1/4	8,616	1/4		1/4		1/4		1/4	
1/2	83,304	1/2	68,300	1/2	53,295	1/2	38,310	1/2	23,308	1/2	8,304	1/2		1/2		1/2		1/2	
3/4	82,992	3/4	67,987	3/4	52,982	3/4	37,998	3/4	22,996	3/4	7,991	3/4		3/4		3/4		3/4	
5	82,679	5	67,674	5	52,670	5	37,686	5	22,683	5	7,679	5		5		5		5	
1/4	82,367	1/4	67,362	1/4	52,357	1/4	37,374	1/4	22,370	1/4	7,366	1/4		1/4		1/4		1/4	
1/2	82,054	1/2	67,049	1/2	52,044	1/2	37,062	1/2	22,058	1/2	7,053	1/2		1/2		1/2		1/2	
3/4	81,741	3/4	66,737	3/4	51,732	3/4	36,749	3/4	21,745	3/4	6,741	3/4		3/4		3/4		3/4	
6	81,429	6	66,424	6	51,419	6	36,437	6	21,433	6	6,428	6		6		6		6	
1/4	81,116	1/4	66,111	1/4	51,107	1/4	36,124	1/4	21,120	1/4	6,116	1/4		1/4		1/4		1/4	
1/2	80,804	1/2	65,799	1/2	50,794	1/2	35,812	1/2	20,807	1/2	5,803	1/2		1/2		1/2		1/2	
3/4	80,491	3/4	65,486	3/4	50,481	3/4	35,499	3/4	20,495	3/4	5,490	3/4		3/4		3/4		3/4	
7	80,178	7	65,174	7	50,169	7	35,187	7	20,182	7	5,178	7		7		7		7	
1/4	79,866	1/4	64,861	1/4	49,856	1/4	34,874	1/4	19,870	1/4	4,865	1/4		1/4		1/4		1/4	
1/2	79,553	1/2	64,548	1/2	49,544	1/2	34,561	1/2	19,557	1/2	4,553	1/2		1/2		1/2		1/2	
3/4	79,241	3/4	64,236	3/4	49,232	3/4	34,249	3/4	19,244	3/4	4,241	3/4		3/4		3/4		3/4	
8	78,928	8	63,923	8	48,919	8	33,936	8	18,932	8	3,928	8		8		8		8	
1/4	78,615	1/4	63,611	1/4	48,607	1/4	33,624	1/4	18,619	1/4	3,617	1/4		1/4		1/4		1/4	
1/2	78,303	1/2	63,298	1/2	48,295	1/2	33,311	1/2	18,307	1/2	3,305	1/2		1/2		1/2		1/2	
3/4	77,990	3/4	62,985	3/4	47,983	3/4	32,998	3/4	17,994	3/4	2,993	3/4		3/4		3/4		3/4	
9	77,678	9	62,673	9	47,671	9	32,686	9	17,681	9	2,681	9		9		9		9	
1/4	77,365	1/4	62,360	1/4	47,359	1/4	32,373	1/4	17,369	1/4	2,389	1/4		1/4		1/4		1/4	
1/2	77,052	1/2	62,048	1/2	47,047	1/2	32,061	1/2	17,056	1/2	2,097	1/2		1/2		1/2		1/2	
3/4	76,740	3/4	61,735	3/4	46,735	3/4	31,748	3/4	16,744	3/4	1,805	3/4		3/4		3/4		3/4	
10	76,427	10	61,422	10	46,423	10	31,435	10	16,431	10	1,513	10		10		10		10	
1/4	76,115	1/4	61,110	1/4	46,111	1/4	31,123	1/4	16,118	1/4	1,292	1/4		1/4		1/4		1/4	
1/2	75,802	1/2	60,797	1/2	45,799	1/2	30,810	1/2	15,806	1/2	1,070	1/2		1/2		1/2		1/2	
3/4	75,489	3/4	60,485	3/4	45,487	3/4	30,498	3/4	15,493	3/4	849	3/4		3/4		3/4		3/4	
11	75,177	11	60,172	11	45,175	11	30,185	11	15,181	11	628	11		11		11		11	
1/4	74,864	1/4	59,859	1/4	44,863	1/4	29,873	1/4	14,868	1/4		1/4		1/4		1/4		1/4	
1/2	74,552	1/2	59,547	1/2	44,551	1/2	29,560	1/2	14,556	1/2		1/2		1/2		1/2		1/2	
3/4	74,239	3/4	59,234	3/4	44,239	3/4	29,247	3/4	14,243	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "GBL 3230"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	188,880	0	178,597	0	168,261	0	157,897	0	147,390	0	133,055	0	118,099	0	103,139
1/4	1/4	1/4	1/4	1/4	188,667	1/4	178,382	1/4	168,046	1/4	157,681	1/4	147,137	1/4	132,743	1/4	117,787	1/4	102,827
1/2	1/2	1/2	1/2	1/2	188,453	1/2	178,167	1/2	167,830	1/2	157,465	1/2	146,884	1/2	132,432	1/2	117,476	1/2	102,515
3/4	3/4	3/4	3/4	3/4	188,239	3/4	177,952	3/4	167,614	3/4	157,249	3/4	146,630	3/4	132,120	3/4	117,165	3/4	102,203
1		1		1	188,025	1	177,736	1	167,398	1	157,034	1	146,377	1	131,809	1	116,853	1	101,890
1/4	1/4	1/4	1/4	1/4	187,812	1/4	177,521	1/4	167,182	1/4	156,818	1/4	146,111	1/4	131,497	1/4	116,542	1/4	101,578
1/2	1/2	1/2	1/2	1/2	187,598	1/2	177,306	1/2	166,966	1/2	156,602	1/2	145,844	1/2	131,185	1/2	116,231	1/2	101,266
3/4	3/4	3/4	3/4	3/4	187,384	3/4	177,090	3/4	166,750	3/4	156,386	3/4	145,577	3/4	130,874	3/4	115,919	3/4	100,954
2		2		2	187,170	2	176,875	2	166,534	2	156,170	2	145,311	2	130,562	2	115,608	2	100,642
1/4	1/4	1/4	1/4	1/4	186,956	1/4	176,660	1/4	166,318	1/4	155,954	1/4	145,030	1/4	130,251	1/4	115,296	1/4	100,330
1/2	1/2	1/2	1/2	1/2	186,742	1/2	176,444	1/2	166,102	1/2	155,738	1/2	144,750	1/2	129,939	1/2	114,985	1/2	100,018
3/4	3/4	3/4	3/4	3/4	186,529	3/4	176,229	3/4	165,886	3/4	155,522	3/4	144,470	3/4	129,627	3/4	114,674	3/4	99,706
3		3		3	186,315	3	176,014	3	165,670	3	155,306	3	144,189	3	129,316	3	114,362	3	99,394
1/4	1/4	1/4	1/4	1/4	186,101	1/4	175,798	1/4	165,455	1/4	155,090	1/4	143,894	1/4	129,004	1/4	114,051	1/4	99,082
1/2	1/2	1/2	1/2	1/2	185,887	1/2	175,583	1/2	165,239	1/2	154,874	1/2	143,599	1/2	128,692	1/2	113,740	1/2	98,770
3/4	3/4	3/4	3/4	3/4	185,673	3/4	175,368	3/4	165,023	3/4	154,658	3/4	143,305	3/4	128,381	3/4	113,428	3/4	98,457
4		4		4	185,460	4	175,152	4	164,807	4	154,443	4	143,010	4	128,069	4	113,117	4	98,145
1/4	1/4	1/4	1/4	1/4	185,246	1/4	174,937	1/4	164,591	1/4	154,227	1/4	142,702	1/4	127,758	1/4	112,805	1/4	97,833
1/2	1/2	1/2	1/2	1/2	185,032	1/2	174,722	1/2	164,375	1/2	154,011	1/2	142,395	1/2	127,446	1/2	112,494	1/2	97,521
3/4	3/4	3/4	3/4	3/4	184,818	3/4	174,507	3/4	164,159	3/4	153,795	3/4	142,088	3/4	127,134	3/4	112,183	3/4	97,209
5		5		5	184,604	5	174,291	5	163,943	5	153,579	5	141,780	5	126,823	5	111,871	5	96,897
1/4	1/4	1/4	1/4	1/4	184,391	1/4	174,076	1/4	163,727	1/4	153,363	1/4	141,469	1/4	126,511	1/4	111,560	1/4	96,585
1/2	1/2	1/2	1/2	1/2	184,177	1/2	173,861	1/2	163,511	1/2	153,147	1/2	141,157	1/2	126,199	1/2	111,249	1/2	96,273
3/4	3/4	3/4	3/4	3/4	183,963	3/4	173,645	3/4	163,295	3/4	152,931	3/4	140,846	3/4	125,888	3/4	110,937	3/4	95,961
6		6		6	183,749	6	173,430	6	163,079	6	152,715	6	140,534	6	125,576	6	110,626	6	95,649
1/4	1/4	1/4	1/4	1/4	183,535	1/4	173,215	1/4	162,863	1/4	152,499	1/4	140,222	1/4	125,265	1/4	110,314	1/4	95,337
1/2	1/2	1/2	1/2	1/2	183,322	1/2	172,999	1/2	162,648	1/2	152,283	1/2	139,911	1/2	124,953	1/2	110,003	1/2	95,024
3/4	3/4	3/4	3/4	3/4	183,108	3/4	172,784	3/4	162,432	3/4	152,067	3/4	139,599	3/4	124,641	3/4	109,691	3/4	94,712
7		7		7	182,894	7	172,569	7	162,216	7	151,851	7	139,288	7	124,330	7	109,380	7	94,400
1/4	1/4	1/4	1/4	1/4	182,680	1/4	172,353	1/4	162,000	1/4	151,636	1/4	138,976	1/4	124,018	1/4	109,068	1/4	94,088
1/2	1/2	1/2	1/2	1/2	192,093	1/2	182,466	1/2	172,138	1/2	161,784	1/2	151,420	1/2	138,664	1/2	123,707	1/2	93,776
3/4	3/4	3/4	3/4	3/4	191,976	3/4	182,253	3/4	171,923	3/4	161,568	3/4	151,204	3/4	138,353	3/4	123,395	3/4	93,464
8		8		8	191,858	8	182,039	8	171,707	8	161,352	8	150,988	8	138,041	8	123,083	8	93,152
1/4	1/4	1/4	1/4	1/4	191,710	1/4	181,824	1/4	171,492	1/4	161,136	1/4	150,772	1/4	137,729	1/4	122,772	1/4	92,840
1/2	1/2	1/2	1/2	1/2	191,562	1/2	181,610	1/2	171,277	1/2	160,920	1/2	150,556	1/2	137,418	1/2	122,460	1/2	92,528
3/4	3/4	3/4	3/4	3/4	191,413	3/4	181,396	3/4	171,061	3/4	160,704	3/4	150,340	3/4	137,106	3/4	122,148	3/4	92,216
9		9		9	191,265	9	181,181	9	170,846	9	160,488	9	150,124	9	136,795	9	121,837	9	91,904
1/4	1/4	1/4	1/4	1/4	191,086	1/4	180,966	1/4	170,631	1/4	160,272	1/4	149,906	1/4	136,483	1/4	121,525	1/4	91,592
1/2	1/2	1/2	1/2	1/2	190,907	1/2	180,751	1/2	170,416	1/2	160,056	1/2	149,689	1/2	136,171	1/2	121,214	1/2	91,279
3/4	3/4	3/4	3/4	3/4	190,728	3/4	180,535	3/4	170,200	3/4	159,841	3/4	149,471	3/4	135,860	3/4	120,902	3/4	90,967
10		10		10	190,548	10	180,320	10	169,985	10	159,625	10	149,253	10	135,548	10	120,590	10	90,655
1/4	1/4	1/4	1/4	1/4	190,345	1/4	180,105	1/4	169,770	1/4	159,409	1/4	149,027	1/4	135,236	1/4	120,279	1/4	90,343
1/2	1/2	1/2	1/2	1/2	190,141	1/2	179,889	1/2	169,554	1/2	159,193	1/2	148,801	1/2	134,925	1/2	119,967	1/2	90,031
3/4	3/4	3/4	3/4	3/4	189,937	3/4	179,674	3/4	169,339	3/4	158,977	3/4	148,575	3/4	134,613	3/4	119,656	3/4	89,719
11		11		11	189,733	11	179,459	11	169,124	11	158,761	11	148,349	11	134,302	11	119,344	11	89,407
1/4	1/4	1/4	1/4	1/4	189,520	1/4	179,243	1/4	168,908	1/4	158,545	1/4	148,109	1/4	133,990	1/4	119,033	1/4	89,096
1/2	1/2	1/2	1/2	1/2	189,307	1/2	179,028	1/2	168,693	1/2	158,329	1/2	147,870	1/2	133,678	1/2	118,721	1/2	88,785
3/4	3/4	3/4	3/4	3/4	189,093	3/4	178,813	3/4	168,477	3/4	158,113	3/4	147,630	3/4	133,367	3/4	118,410	3/4	88,474

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 12'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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



BARGE "GBL 3230"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	88,163	0	73,318	0	58,516	0	43,875	0	28,904	0	13,922	0		0		0		0	
1/4	87,854	1/4	73,007	1/4	58,215	1/4	43,563	1/4	28,592	1/4	13,610	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,545	1/2	72,695	1/2	57,914	1/2	43,251	1/2	28,280	1/2	13,298	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,235	3/4	72,383	3/4	57,613	3/4	42,940	3/4	27,967	3/4	12,986	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	86,926	1	72,071	1	57,312	1	42,628	1	27,655	1	12,674	1	1	1	1	1	1	1	1
1/4	86,617	1/4	71,759	1/4	57,011	1/4	42,317	1/4	27,343	1/4	12,362	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,308	1/2	71,447	1/2	56,710	1/2	42,005	1/2	27,031	1/2	12,049	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,999	3/4	71,135	3/4	56,409	3/4	41,694	3/4	26,719	3/4	11,737	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	85,690	2	70,823	2	56,108	2	41,382	2	26,407	2	11,425	2	2	2	2	2	2	2	2
1/4	85,380	1/4	70,511	1/4	55,807	1/4	41,071	1/4	26,094	1/4	11,113	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,071	1/2	70,199	1/2	55,506	1/2	40,759	1/2	25,782	1/2	10,801	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,762	3/4	69,887	3/4	55,205	3/4	40,447	3/4	25,470	3/4	10,489	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	84,453	3	69,575	3	54,904	3	40,136	3	25,158	3	10,176	3	3	3	3	3	3	3	3
1/4	84,144	1/4	69,263	1/4	54,603	1/4	39,824	1/4	24,846	1/4	9,864	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,834	1/2	68,952	1/2	54,302	1/2	39,513	1/2	24,534	1/2	9,552	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,525	3/4	68,640	3/4	54,001	3/4	39,201	3/4	24,222	3/4	9,240	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	83,216	4	68,328	4	53,700	4	38,890	4	23,909	4	8,928	4	4	4	4	4	4	4	4
1/4	82,907	1/4	68,016	1/4	53,399	1/4	38,578	1/4	23,597	1/4	8,616	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,598	1/2	67,704	1/2	53,098	1/2	38,266	1/2	23,285	1/2	8,303	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,289	3/4	67,392	3/4	52,797	3/4	37,955	3/4	22,973	3/4	7,991	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	81,979	5	67,081	5	52,496	5	37,643	5	22,661	5	7,679	5	5	5	5	5	5	5	5
1/4	81,670	1/4	66,769	1/4	52,195	1/4	37,331	1/4	22,349	1/4	7,367	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,361	1/2	66,457	1/2	51,894	1/2	37,019	1/2	22,037	1/2	7,054	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,052	3/4	66,145	3/4	51,593	3/4	36,707	3/4	21,724	3/4	6,742	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	80,743	6	65,833	6	51,292	6	36,396	6	21,412	6	6,429	6	6	6	6	6	6	6	6
1/4	80,434	1/4	65,521	1/4	50,990	1/4	36,083	1/4	21,100	1/4	6,117	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,124	1/2	65,209	1/2	50,688	1/2	35,771	1/2	20,788	1/2	5,804	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,815	3/4	64,898	3/4	50,387	3/4	35,459	3/4	20,476	3/4	5,491	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	79,506	7	64,586	7	50,085	7	35,147	7	20,164	7	5,179	7	7	7	7	7	7	7	7
1/4	79,197	1/4	64,276	1/4	49,779	1/4	34,835	1/4	19,852	1/4	4,866	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,888	1/2	63,967	1/2	49,473	1/2	34,523	1/2	19,540	1/2	4,554	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,579	3/4	63,658	3/4	49,166	3/4	34,210	3/4	19,228	3/4	4,241	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	78,269	8	63,349	8	48,860	8	33,898	8	18,917	8	3,929	8	8	8	8	8	8	8	8
1/4	77,960	1/4	63,045	1/4	48,548	1/4	33,586	1/4	18,604	1/4	3,617	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,651	1/2	62,740	1/2	48,237	1/2	33,274	1/2	18,292	1/2	3,305	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,342	3/4	62,436	3/4	47,925	3/4	32,962	3/4	17,980	3/4	2,994	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	77,033	9	62,132	9	47,613	9	32,650	9	17,668	9	2,682	9	9	9	9	9	9	9	9
1/4	76,724	1/4	61,830	1/4	47,302	1/4	32,338	1/4	17,356	1/4	2,390	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,414	1/2	61,528	1/2	46,990	1/2	32,025	1/2	17,044	1/2	2,098	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,105	3/4	61,226	3/4	46,679	3/4	31,713	3/4	16,732	3/4	1,806	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	75,796	10	60,924	10	46,367	10	31,401	10	16,420	10	1,513	10	10	10	10	10	10	10	10
1/4	75,487	1/4	60,623	1/4	46,056	1/4	31,089	1/4	16,107	1/4	1,292	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,178	1/2	60,322	1/2	45,744	1/2	30,777	1/2	15,795	1/2	1,071	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,868	3/4	60,021	3/4	45,432	3/4	30,465	3/4	15,483	3/4	849	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	74,559	11	59,720	11	45,121	11	30,152	11	15,171	11	628	11	11	11	11	11	11	11	11
1/4	74,249	1/4	59,419	1/4	44,809	1/4	29,840	1/4	14,859	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,939	1/2	59,118	1/2	44,498	1/2	29,528	1/2	14,547	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,629	3/4	58,817	3/4	44,186	3/4	29,216	3/4	14,234	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/25/2012 CL - SW
CALCULATED: 10/25/2012 CL
PRINTED: 10/25/2012 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2012

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



BARGE "GBL 3230"

PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0	4,744	0	3,591	0	2,434	0	1,277	0	120	0		0		0	
1/4	1/4	1/4	1/4	1/4	4,721	1/4	3,567	1/4	2,410	1/4	1,253	1/4	96	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,697	1/2	3,543	1/2	2,386	1/2	1,229	1/2	72	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,673	3/4	3,518	3/4	2,362	3/4	1,205	3/4	48	3/4	3/4	3/4	3/4	3/4	3/4
1		1		1	4,650	1	3,494	1	2,338	1	1,181	1	24	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	4,626	1/4	3,470	1/4	2,313	1/4	1,157	1/4	0	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,602	1/2	3,446	1/2	2,289	1/2	1,133	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,578	3/4	3,422	3/4	2,265	3/4	1,108	3/4		3/4	3/4	3/4	3/4	3/4	3/4
2		2		2	4,554	2	3,398	2	2,241	2	1,084	2		2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	4,531	1/4	3,374	1/4	2,217	1/4	1,060	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,507	1/2	3,350	1/2	2,193	1/2	1,036	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,482	3/4	3,326	3/4	2,169	3/4	1,012	3/4		3/4	3/4	3/4	3/4	3/4	3/4
3		3		3	4,458	3	3,302	3	2,145	3	988	3		3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	4,434	1/4	3,277	1/4	2,121	1/4	964	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,410	1/2	3,253	1/2	2,097	1/2	940	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,386	3/4	3,229	3/4	2,072	3/4	916	3/4		3/4	3/4	3/4	3/4	3/4	3/4
4		4		4	4,362	4	3,205	4	2,048	4	892	4		4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	4,338	1/4	3,181	1/4	2,024	1/4	867	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,314	1/2	3,157	1/2	2,000	1/2	843	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,290	3/4	3,133	3/4	1,976	3/4	819	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5		5		5	4,266	5	3,109	5	1,952	5	795	5		5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	4,241	1/4	3,085	1/4	1,928	1/4	771	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,217	1/2	3,061	1/2	1,904	1/2	747	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,193	3/4	3,036	3/4	1,880	3/4	723	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6		6		6	4,169	6	3,012	6	1,856	6	699	6		6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	4,145	1/4	2,988	1/4	1,831	1/4	675	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,121	1/2	2,964	1/2	1,807	1/2	651	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,097	3/4	2,940	3/4	1,783	3/4	626	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7		7		7	4,073	7	2,916	7	1,759	7	602	7		7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	4,049	1/4	2,892	1/4	1,735	1/4	578	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,025	1/2	2,868	1/2	1,711	1/2	554	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,194	3/4	4,000	3/4	2,844	3/4	530	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8		8		8	5,146	8	3,976	8	2,820	8	506	8		8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	5,099	1/4	3,952	1/4	2,795	1/4	482	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	5,075	1/2	3,928	1/2	2,771	1/2	458	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	5,051	3/4	3,904	3/4	2,747	3/4	434	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9		9		9	5,028	9	3,880	9	2,723	9	410	9		9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	5,004	1/4	3,856	1/4	2,699	1/4	385	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,980	1/2	3,832	1/2	2,675	1/2	361	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,957	3/4	3,808	3/4	2,651	3/4	337	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10		10		10	4,933	10	3,784	10	2,627	10	313	10		10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	4,910	1/4	3,759	1/4	2,603	1/4	289	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,886	1/2	3,735	1/2	2,579	1/2	265	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,862	3/4	3,711	3/4	2,554	3/4	241	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11		11		11	4,839	11	3,687	11	2,530	11	217	11		11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	4,815	1/4	3,663	1/4	2,506	1/4	193	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	4,791	1/2	3,639	1/2	2,482	1/2	169	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	4,768	3/4	3,615	3/4	2,458	3/4	144	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
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PRINTED: 10/25/2012 CL

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

CANCELS AND SUPERCEDES

ALL PRIOR TO 10/2012

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BARGE "GBL 3230"

STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	4,768	0	3,615	0	2,458	0	1,301	0	145	0		0		0	
1/4		1/4		1/4	4,744	1/4	3,591	1/4	2,434	1/4	1,277	1/4	121	1/4		1/4		1/4	
1/2		1/2		1/2	4,721	1/2	3,567	1/2	2,410	1/2	1,253	1/2	96	1/2		1/2		1/2	
3/4		3/4		3/4	4,697	3/4	3,543	3/4	2,386	3/4	1,229	3/4	72	3/4		3/4		3/4	
1		1		1	4,673	1	3,519	1	2,362	1	1,205	1	48	1		1		1	
1/4		1/4		1/4	4,650	1/4	3,494	1/4	2,338	1/4	1,181	1/4	24	1/4		1/4		1/4	
1/2		1/2		1/2	4,626	1/2	3,470	1/2	2,314	1/2	1,157	1/2	0	1/2		1/2		1/2	
3/4		3/4		3/4	4,602	3/4	3,446	3/4	2,289	3/4	1,133	3/4		3/4		3/4		3/4	
2		2		2	4,578	2	3,422	2	2,265	2	1,109	2		2		2		2	
1/4		1/4		1/4	4,555	1/4	3,398	1/4	2,241	1/4	1,085	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,531	1/2	3,374	1/2	2,217	1/2	1,060	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,507	3/4	3,350	3/4	2,193	3/4	1,036	3/4		3/4		3/4		3/4	
3		3		3	4,483	3	3,326	3	2,169	3	1,012	3		3		3		3	
1/4		1/4		1/4	4,458	1/4	3,302	1/4	2,145	1/4	988	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,434	1/2	3,278	1/2	2,121	1/2	964	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,410	3/4	3,253	3/4	2,097	3/4	940	3/4		3/4		3/4		3/4	
4		4		4	4,386	4	3,229	4	2,073	4	916	4		4		4		4	
1/4		1/4		1/4	4,362	1/4	3,205	1/4	2,048	1/4	892	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,338	1/2	3,181	1/2	2,024	1/2	868	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,314	3/4	3,157	3/4	2,000	3/4	844	3/4		3/4		3/4		3/4	
5		5		5	4,290	5	3,133	5	1,976	5	819	5		5		5		5	
1/4		1/4		1/4	4,266	1/4	3,109	1/4	1,952	1/4	795	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,242	1/2	3,085	1/2	1,928	1/2	771	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,217	3/4	3,061	3/4	1,904	3/4	747	3/4		3/4		3/4		3/4	
6		6		6	4,193	6	3,037	6	1,880	6	723	6		6		6		6	
1/4		1/4		1/4	4,169	1/4	3,012	1/4	1,856	1/4	699	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,145	1/2	2,988	1/2	1,832	1/2	675	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,121	3/4	2,964	3/4	1,807	3/4	651	3/4		3/4		3/4		3/4	
7		7		7	4,097	7	2,940	7	1,783	7	627	7		7		7		7	
1/4		1/4		1/4	4,073	1/4	2,916	1/4	1,759	1/4	603	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,049	1/2	2,892	1/2	1,735	1/2	578	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,025	3/4	2,868	3/4	1,711	3/4	554	3/4		3/4		3/4		3/4	
8		8	5,194	8	4,001	8	2,844	8	1,687	8	530	8		8		8		8	
1/4		1/4	5,146	1/4	3,976	1/4	2,820	1/4	1,663	1/4	506	1/4		1/4		1/4		1/4	
1/2		1/2	5,099	1/2	3,952	1/2	2,796	1/2	1,639	1/2	482	1/2		1/2		1/2		1/2	
3/4		3/4	5,075	3/4	3,928	3/4	2,771	3/4	1,615	3/4	458	3/4		3/4		3/4		3/4	
9		9	5,051	9	3,904	9	2,747	9	1,591	9	434	9		9		9		9	
1/4		1/4	5,028	1/4	3,880	1/4	2,723	1/4	1,567	1/4	410	1/4		1/4		1/4		1/4	
1/2		1/2	5,004	1/2	3,856	1/2	2,699	1/2	1,542	1/2	386	1/2		1/2		1/2		1/2	
3/4		3/4	4,981	3/4	3,832	3/4	2,675	3/4	1,518	3/4	362	3/4		3/4		3/4		3/4	
10		10	4,957	10	3,808	10	2,651	10	1,494	10	337	10		10		10		10	
1/4		1/4	4,933	1/4	3,784	1/4	2,627	1/4	1,470	1/4	313	1/4		1/4		1/4		1/4	
1/2		1/2	4,910	1/2	3,760	1/2	2,603	1/2	1,446	1/2	289	1/2		1/2		1/2		1/2	
3/4		3/4	4,886	3/4	3,735	3/4	2,579	3/4	1,422	3/4	265	3/4		3/4		3/4		3/4	
11		11	4,862	11	3,711	11	2,555	11	1,398	11	241	11		11		11		11	
1/4		1/4	4,839	1/4	3,687	1/4	2,530	1/4	1,374	1/4	217	1/4		1/4		1/4		1/4	
1/2		1/2	4,815	1/2	3,663	1/2	2,506	1/2	1,350	1/2	193	1/2		1/2		1/2		1/2	
3/4		3/4	4,792	3/4	3,639	3/4	2,482	3/4	1,326	3/4	169	3/4		3/4		3/4		3/4	

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