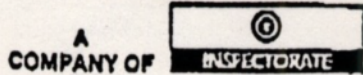


Chas. MARTIN



BARGE "IB-1017"

INGRAM BARGE LINES

CORRECTION TABLE FOR TRIM AFT.

FOR INNAGE GAUGES ONLY

TRIM	TANK NO. 1	TANK NO. 2	TANK NO. 3
0'-6"	(-) 0'-0 1/4"	(-) 0'-0 1/8"	(-) 0'-0 1/8"
1'-0"	(-) 0'-0 3/8"	(-) 0'-0 1/4"	(-) 0'-0 1/4"
1'-6"	(-) 0'-0 5/8"	(-) 0'-0 1/2"	(-) 0'-0 3/8"
2'-0"	(-) 0'-0 7/8"	(-) 0'-0 5/8"	(-) 0'-0 1/2"
2'-6"	(-) 0'-1"	(-) 0'-0 3/4"	(-) 0'-0 5/8"
3'-0"	(-) 0'-1 1/4"	(-) 0'-0 7/8"	(-) 0'-0 3/4"
3'-6"	(-) 0'-1 1/2"	(-) 0'-1"	(-) 0'-0 7/8"
4'-0"	(-) 0'-1 5/8"	(-) 0'-1 1/8"	(-) 0'-1"
4'-6"	(-) 0'-1 7/8"	(-) 0'-1 3/8"	(-) 0'-1 1/8"
5'-0"	(-) 0'-2 1/8"	(-) 0'-1 1/2"	(-) 0'-1 1/4"

NOTE: FOR TRIM FWD., REVERSE SIGNS.

NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED, TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "OUTAGE" GAUGES, REVERSE SIGNS.

CHAS. MARTIN INSPECTION
AND CONTROLS, INC.

BY: D. SAUER

DATE: 3/2/92

Chas. MARTIN

BARGE "IB-1017"

INGRAM BARGE LINES

COMPART OR STATISTICS

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1587

SHEET NO. 1 OF 2
TANK NUMBER:
1

IN.	0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	IN.	CONTINUED ON SHEET NO. 2
0	945 0	11,806 0	22,666 0	33,492 0	44,333 0	55,214 0	66,074 0	76,935 0	87,795 0	
1/4	1,171 1/4	12,034 1/4	22,892 1/4	33,719 1/4	44,579 1/4	55,440 1/4	66,301 1/4	77,161 1/4	88,021 1/4	
1/2	1,398 1/2	12,261 1/2	23,117 1/2	33,945 1/2	44,805 1/2	55,666 1/2	66,527 1/2	77,387 1/2	88,247 1/2	
3/4	1,624 3/4	12,487 3/4	23,343 3/4	34,171 3/4	45,032 3/4	55,892 3/4	66,753 3/4	77,614 3/4	88,474 3/4	
1	1,850 1	12,713 1	23,568 1	34,397 1	45,258 1	56,119 1	66,979 1	77,840 1	88,700 1	
1 1/4	2,077 1 1/4	12,940 1 1/4	23,794 1 1/4	34,624 1 1/4	45,484 1 1/4	56,345 1 1/4	67,206 1 1/4	78,066 1 1/4	88,926 1 1/4	
1 1/2	2,303 1 1/2	13,166 1 1/2	24,019 1 1/2	34,850 1 1/2	45,711 1 1/2	56,571 1 1/2	67,432 1 1/2	78,293 1 1/2	89,153 1 1/2	
1 3/4	2,529 1 3/4	13,392 1 3/4	24,245 1 3/4	35,076 1 3/4	45,937 1 3/4	56,797 1 3/4	67,658 1 3/4	78,519 1 3/4	89,379 1 3/4	
2	2,756 2	13,618 2	24,470 2	35,302 2	46,163 2	57,024 2	67,884 2	78,745 2	89,605 2	
2 1/4	2,982 2 1/4	13,845 2 1/4	24,696 2 1/4	35,529 2 1/4	46,389 2 1/4	57,250 2 1/4	68,111 2 1/4	78,971 2 1/4	90,126 2 1/4	
2 1/2	3,209 2 1/2	14,071 2 1/2	24,921 2 1/2	35,755 2 1/2	46,616 2 1/2	57,476 2 1/2	68,337 2 1/2	79,198 2 1/2	90,716 2 1/2	
2 3/4	3,435 2 3/4	14,297 2 3/4	25,147 2 3/4	35,981 2 3/4	46,842 2 3/4	57,703 2 3/4	68,563 2 3/4	79,424 2 3/4	91,306 2 3/4	
3	3,661 3	14,524 3	25,372 3	36,207 3	47,068 3	57,929 3	68,789 3	79,650 3	91,896 3	
3 1/4	3,888 3 1/4	14,750 3 1/4	25,597 3 1/4	36,434 3 1/4	47,294 3 1/4	58,155 3 1/4	69,016 3 1/4	79,876 3 1/4	92,486 3 1/4	
3 1/2	4,114 3 1/2	14,976 3 1/2	25,823 3 1/2	36,660 3 1/2	47,521 3 1/2	58,381 3 1/2	69,242 3 1/2	80,105 3 1/2	93,076 3 1/2	
3 3/4	4,341 3 3/4	15,202 3 3/4	26,048 3 3/4	36,886 3 3/4	47,747 3 3/4	58,606 3 3/4	69,468 3 3/4	80,329 3 3/4	93,666 3 3/4	
4	4,567 4	15,429 4	26,274 4	37,113 4	47,973 4	58,834 4	69,695 4	80,555 4	94,256 4	
4 1/4	4,793 4 1/4	15,655 4 1/4	26,499 4 1/4	37,339 4 1/4	48,199 4 1/4	59,060 4 1/4	69,921 4 1/4	80,781 4 1/4	94,846 4 1/4	
4 1/2	5,020 4 1/2	15,881 4 1/2	26,725 4 1/2	37,565 4 1/2	48,426 4 1/2	59,286 4 1/2	70,147 4 1/2	81,008 4 1/2	95,436 4 1/2	
4 3/4	5,246 4 3/4	16,107 4 3/4	26,950 4 3/4	37,791 4 3/4	48,652 4 3/4	59,513 4 3/4	70,373 4 3/4	81,234 4 3/4	96,026 4 3/4	
5	5,472 5	16,334 5	27,176 5	38,018 5	48,878 5	59,739 5	70,600 5	81,460 5	96,616 5	
5 1/4	5,699 5 1/4	16,560 5 1/4	27,401 5 1/4	38,244 5 1/4	49,104 5 1/4	59,965 5 1/4	70,826 5 1/4	81,687 5 1/4	97,206 5 1/4	
5 1/2	5,925 5 1/2	16,786 5 1/2	27,627 5 1/2	38,470 5 1/2	49,331 5 1/2	60,191 5 1/2	71,052 5 1/2	81,913 5 1/2	97,796 5 1/2	
5 3/4	6,151 5 3/4	17,012 5 3/4	27,852 5 3/4	38,696 5 3/4	49,557 5 3/4	60,416 5 3/4	71,278 5 3/4	82,139 5 3/4	98,386 5 3/4	
6	6,378 6	17,239 6	28,078 6	38,923 6	49,783 6	60,644 6	71,505 6	82,365 6	98,976 6	
6 1/4	6,604 6 1/4	17,465 6 1/4	28,303 6 1/4	39,149 6 1/4	50,010 6 1/4	60,870 6 1/4	71,731 6 1/4	82,592 6 1/4	99,566 6 1/4	
6 1/2	6,830 6 1/2	17,691 6 1/2	28,529 6 1/2	39,375 6 1/2	50,236 6 1/2	61,096 6 1/2	71,957 6 1/2	82,818 6 1/2	100,156 6 1/2	
6 3/4	7,056 6 3/4	17,918 6 3/4	28,754 6 3/4	39,601 6 3/4	50,462 6 3/4	61,322 6 3/4	72,183 6 3/4	83,044 6 3/4	100,746 6 3/4	
7	7,283 7	18,144 7	28,980 7	39,828 7	50,688 7	61,549 7	72,410 7	83,270 7	101,336 7	
7 1/4	7,509 7 1/4	18,370 7 1/4	29,205 7 1/4	40,054 7 1/4	50,915 7 1/4	61,775 7 1/4	72,636 7 1/4	83,497 7 1/4	101,926 7 1/4	
7 1/2	7,735 7 1/2	18,596 7 1/2	29,431 7 1/2	40,280 7 1/2	51,141 7 1/2	62,002 7 1/2	72,862 7 1/2	83,723 7 1/2	102,516 7 1/2	
7 3/4	7,961 7 3/4	18,823 7 3/4	29,656 7 3/4	40,506 7 3/4	51,367 7 3/4	62,228 7 3/4	73,088 7 3/4	83,949 7 3/4	103,106 7 3/4	
8	8,188 8	19,049 8	29,882 8	40,733 8	51,593 8	62,454 8	73,315 8	84,175 8	103,696 8	
8 1/4	8,414 8 1/4	19,275 8 1/4	30,107 8 1/4	40,959 8 1/4	51,820 8 1/4	62,680 8 1/4	73,541 8 1/4	84,402 8 1/4	104,286 8 1/4	
8 1/2	8,640 8 1/2	19,502 8 1/2	30,332 8 1/2	41,185 8 1/2	52,046 8 1/2	62,907 8 1/2	73,767 8 1/2	84,628 8 1/2	104,876 8 1/2	
8 3/4	8,867 8 3/4	19,728 8 3/4	30,558 8 3/4	41,412 8 3/4	52,272 8 3/4	63,133 8 3/4	73,994 8 3/4	84,854 8 3/4	105,466 8 3/4	
9	9,093 9	19,954 9	30,783 9	41,638 9	52,498 9	63,359 9	74,220 9	85,080 9	106,056 9	
9 1/4	9,319 9 1/4	20,180 9 1/4	31,009 9 1/4	41,864 9 1/4	52,725 9 1/4	63,585 9 1/4	74,446 9 1/4	85,307 9 1/4	106,646 9 1/4	
9 1/2	9,545 9 1/2	20,407 9 1/2	31,234 9 1/2	42,090 9 1/2	52,951 9 1/2	63,812 9 1/2	74,672 9 1/2	85,533 9 1/2	107,236 9 1/2	
9 3/4	9,772 9 3/4	20,633 9 3/4	31,460 9 3/4	42,317 9 3/4	53,177 9 3/4	64,038 9 3/4	74,899 9 3/4	85,759 9 3/4	107,826 9 3/4	
10	9,998 10	20,859 10	31,685 10	42,543 10	53,404 10	64,264 10	75,125 10	85,986 10	108,416 10	
10 1/4	10,224 10 1/4	21,086 10 1/4	31,911 10 1/4	42,769 10 1/4	53,630 10 1/4	64,490 10 1/4	75,351 10 1/4	86,212 10 1/4	109,006 10 1/4	
10 1/2	10,451 10 1/2	21,312 10 1/2	32,136 10 1/2	42,995 10 1/2	53,856 10 1/2	64,717 10 1/2	75,577 10 1/2	86,438 10 1/2	109,596 10 1/2	
10 3/4	10,677 10 3/4	21,538 10 3/4	32,362 10 3/4	43,222 10 3/4	54,082 10 3/4	64,943 10 3/4	75,804 10 3/4	86,664 10 3/4	110,186 10 3/4	
11	10,903 11	21,764 11	32,587 11	43,448 11	54,309 11	65,169 11	76,030 11	86,891 11	110,776 11	
11 1/4	11,129 11 1/4	21,990 11 1/4	32,813 11 1/4	43,674 11 1/4	54,535 11 1/4	65,396 11 1/4	76,256 11 1/4	87,117 11 1/4	111,366 11 1/4	
11 1/2	11,356 11 1/2	22,215 11 1/2	33,040 11 1/2	43,900 11 1/2	54,761 11 1/2	65,622 11 1/2	76,482 11 1/2	87,343 11 1/2	111,956 11 1/2	
11 3/4	11,582 11 3/4	22,441 11 3/4	33,266 11 3/4	44,127 11 3/4	54,987 11 3/4	65,848 11 3/4	76,709 11 3/4	87,569 11 3/4	112,546 11 3/4	

CAPACITY BELOW STRIKE POINT.

GAUGE HEIGHT: 14'-10 3/4" (TO TOP OF BALL VALVE HATCH)

STRAPERS: 3/2/92

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

CHAS. MARTIN CORPORATION

BARGE "IB-1017"

INCREASING BARGE LINES

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1587

IN.	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	FEET	FEET
0	87,796	96,656	109,517	119,067	128,617	138,167	144,325	0	0
1/8	88,022	96,883	109,716	119,266	128,816	138,366	144,525	0	0
1/4	88,248	97,109	109,915	119,465	129,015	138,565	144,725	1/4	1/4
3/8	88,474	97,332	110,114	119,664	129,214	138,764	144,925	1/2	1/2
1	88,701	97,561	110,313	119,863	129,413	138,963	145,125	3/4	3/4
1 1/8	88,927	97,788	110,512	120,062	129,612	139,162	145,325	1	1
1 1/4	89,153	98,014	110,711	120,261	129,811	139,360	145,525	1 1/8	1 1/8
1 1/2	89,379	98,240	110,910	120,460	130,010	139,559	145,725	1 1/4	1 1/4
1 3/4	89,606	98,466	111,109	120,659	130,209	139,758	145,925	1 3/4	1 3/4
2	89,832	98,693	111,308	120,858	130,408	139,957	146,125	2	2
2 1/8	90,058	98,919	111,507	121,057	130,606	140,156	146,325	2 1/8	2 1/8
2 1/4	90,285	99,145	111,706	121,256	130,805	140,355	146,525	2 1/4	2 1/4
2 3/8	90,511	99,371	111,905	121,455	131,004	140,554	146,725	2 3/8	2 3/8
2 1/2	90,737	99,598	112,104	121,654	131,203	140,753	146,925	2 1/2	2 1/2
2 3/4	90,963	99,824	112,303	121,853	131,402	140,952	147,125	2 3/4	2 3/4
3	91,190	100,050	112,502	122,051	131,601	141,151	147,325	3	3
3 1/8	91,416	100,277	112,701	122,250	131,800	141,350	147,525	3 1/8	3 1/8
3 1/4	91,642	100,503	112,900	122,449	132,000	141,549	147,725	3 1/4	3 1/4
3 1/2	91,868	100,729	113,099	122,648	132,198	141,748	147,925	3 1/2	3 1/2
3 3/8	92,095	100,955	113,298	122,847	132,397	141,947	148,125	3 3/8	3 3/8
3 1/2	92,321	101,182	113,497	123,046	132,596	142,146	148,325	3 1/2	3 1/2
4	92,547	101,408	113,695	123,245	132,795	142,345	148,525	4	4
4 1/8	92,773	101,634	113,894	123,444	132,994	142,544	148,725	4 1/8	4 1/8
4 1/4	93,000	101,860	114,093	123,643	133,193	142,743	148,925	4 1/4	4 1/4
4 3/8	93,226	102,086	114,292	123,842	133,392	142,942	149,125	4 3/8	4 3/8
4 1/2	93,452	102,313	114,491	124,041	133,591	143,141	149,325	4 1/2	4 1/2
4 3/4	93,679	102,539	114,690	124,240	133,790	143,340	149,525	4 3/4	4 3/4
5	93,905	102,765	114,889	124,439	133,989	143,539	149,725	5	5
5 1/8	94,131	102,992	115,088	124,638	134,188	143,738	149,925	5 1/8	5 1/8
5 1/4	94,357	103,218	115,287	124,837	134,387	143,937	150,125	5 1/4	5 1/4
5 3/8	94,584	103,444	115,486	125,036	134,586	144,136	150,325	5 3/8	5 3/8
5 1/2	94,810	103,670	115,685	125,235	134,784	144,335	150,525	5 1/2	5 1/2
5 3/4	95,036	103,897	115,884	125,434	134,983	144,534	150,725	5 3/4	5 3/4
6	95,262	104,123	116,083	125,633	135,182	144,733	150,925	6	6
6 1/8	95,489	104,349	116,282	125,832	135,381	144,932	151,125	6 1/8	6 1/8
6 1/4	95,715	104,576	116,481	126,031	135,580	145,131	151,325	6 1/4	6 1/4
6 3/8	95,941	104,802	116,680	126,230	135,779	145,330	151,525	6 3/8	6 3/8
6 1/2	96,167	105,028	116,879	126,428	135,978	145,529	151,725	6 1/2	6 1/2
6 3/4	96,394	105,254	117,078	126,627	136,177	145,728	151,925	6 3/4	6 3/4
7	96,620	105,481	117,277	126,826	136,376	145,927	152,125	7	7
7 1/8	96,846	105,707	117,476	127,025	136,575	146,126	152,325	7 1/8	7 1/8
7 1/4	97,072	105,933	117,675	127,224	136,774	146,325	152,525	7 1/4	7 1/4
7 3/8	97,299	106,159	117,874	127,423	136,973	146,524	152,725	7 3/8	7 3/8
7 1/2	97,525	106,386	118,072	127,622	137,172	146,723	152,925	7 1/2	7 1/2
7 3/4	97,751	106,612	118,271	127,821	137,371	146,922	153,125	7 3/4	7 3/4
8	97,978	106,838	118,470	128,020	137,570	147,121	153,325	8	8
8 1/8	98,204	107,065	118,669	128,219	137,769	147,320	153,525	8 1/8	8 1/8
8 1/4	98,430	107,291	118,868	128,418	137,968	147,519	153,725	8 1/4	8 1/4

GAUGE HEIGHT: 14"-10 3/4" (TO TOP OF BALL VALVE HATCH)

STRAPED- 3/12/92
Chas. Martin
 CHAS. MARTIN CORPORATION

BARGE "IB-1017"

INCAN BARGE LINES

COMPANY OF WESTGATE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WITH GAUGES ARE TAKEN

HULL NO. 1587

IN.	0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	IN.	FEET
0	267	0	22,109	0	45,909	0	65,752	0	76,675	0
1/4	494	1/4	22,335	1/4	44,136	1/4	65,979	1/4	76,900	1/4
1/2	722	1/2	22,562	1/2	43,364	1/2	65,205	1/2	77,126	1/2
3/4	949	3/4	22,789	3/4	42,592	3/4	64,431	3/4	77,356	3/4
1	1,177	1	23,015	1	41,819	1	63,657	1	77,585	1
1 1/4	1,404	1 1/4	23,242	1 1/4	41,047	1 1/4	62,884	1 1/4	77,811	1 1/4
1 1/2	1,632	1 1/2	23,468	1 1/2	40,274	1 1/2	62,111	1 1/2	78,036	1 1/2
1 3/4	1,860	1 3/4	23,695	1 3/4	39,502	1 3/4	61,338	1 3/4	78,266	1 3/4
2	2,087	2	23,922	2	38,729	2	60,565	2	78,493	2
2 1/4	2,315	2 1/4	24,148	2 1/4	37,957	2 1/4	59,792	2 1/4	78,721	2 1/4
2 1/2	2,542	2 1/2	24,375	2 1/2	37,184	2 1/2	59,019	2 1/2	78,948	2 1/2
2 3/4	2,770	2 3/4	24,602	2 3/4	36,412	2 3/4	58,245	2 3/4	79,176	2 3/4
3	2,997	3	24,828	3	35,639	3	57,472	3	79,403	3
3 1/4	3,225	3 1/4	25,055	3 1/4	34,867	3 1/4	56,700	3 1/4	79,631	3 1/4
3 1/2	3,452	3 1/2	25,281	3 1/2	34,094	3 1/2	55,927	3 1/2	79,858	3 1/2
3 3/4	3,680	3 3/4	25,508	3 3/4	33,322	3 3/4	55,154	3 3/4	80,086	3 3/4
4	3,907	4	25,735	4	32,549	4	54,381	4	80,313	4
4 1/4	4,135	4 1/4	25,961	4 1/4	31,777	4 1/4	53,608	4 1/4	80,541	4 1/4
4 1/2	4,362	4 1/2	26,188	4 1/2	31,004	4 1/2	52,835	4 1/2	80,768	4 1/2
4 3/4	4,590	4 3/4	26,415	4 3/4	30,232	4 3/4	52,062	4 3/4	80,996	4 3/4
5	4,817	5	26,641	5	29,459	5	51,289	5	81,224	5
5 1/4	5,045	5 1/4	26,868	5 1/4	28,687	5 1/4	50,516	5 1/4	81,451	5 1/4
5 1/2	5,272	5 1/2	27,094	5 1/2	27,915	5 1/2	49,743	5 1/2	81,679	5 1/2
5 3/4	5,500	5 3/4	27,321	5 3/4	27,142	5 3/4	48,970	5 3/4	81,906	5 3/4
6	5,728	6	27,548	6	26,369	6	48,197	6	82,134	6
6 1/4	5,955	6 1/4	27,774	6 1/4	25,596	6 1/4	47,424	6 1/4	82,361	6 1/4
6 1/2	6,183	6 1/2	28,001	6 1/2	24,823	6 1/2	46,651	6 1/2	82,589	6 1/2
6 3/4	6,410	6 3/4	28,228	6 3/4	24,050	6 3/4	45,878	6 3/4	82,816	6 3/4
7	6,638	7	28,454	7	23,277	7	45,105	7	83,044	7
7 1/4	6,865	7 1/4	28,681	7 1/4	22,504	7 1/4	44,332	7 1/4	83,271	7 1/4
7 1/2	7,093	7 1/2	28,907	7 1/2	21,731	7 1/2	43,559	7 1/2	83,499	7 1/2
7 3/4	7,320	7 3/4	29,134	7 3/4	20,958	7 3/4	42,786	7 3/4	83,726	7 3/4
8	7,548	8	29,361	8	20,185	8	42,013	8	83,954	8
8 1/4	7,775	8 1/4	29,587	8 1/4	19,412	8 1/4	41,240	8 1/4	84,181	8 1/4
8 1/2	8,003	8 1/2	29,814	8 1/2	18,639	8 1/2	40,467	8 1/2	84,409	8 1/2
8 3/4	8,230	8 3/4	30,041	8 3/4	17,866	8 3/4	39,694	8 3/4	84,636	8 3/4
9	8,458	9	30,267	9	17,093	9	38,921	9	84,864	9
9 1/4	8,685	9 1/4	30,494	9 1/4	16,320	9 1/4	38,148	9 1/4	85,091	9 1/4
9 1/2	8,913	9 1/2	30,720	9 1/2	15,547	9 1/2	37,375	9 1/2	85,319	9 1/2
9 3/4	9,140	9 3/4	30,947	9 3/4	14,774	9 3/4	36,602	9 3/4	85,547	9 3/4
10	9,368	10	31,174	10	14,001	10	35,829	10	85,774	10
10 1/4	9,595	10 1/4	31,400	10 1/4	13,228	10 1/4	35,056	10 1/4	86,002	10 1/4
10 1/2	9,823	10 1/2	31,627	10 1/2	12,455	10 1/2	34,283	10 1/2	86,229	10 1/2
10 3/4	10,050	10 3/4	31,853	10 3/4	11,682	10 3/4	33,510	10 3/4	86,457	10 3/4
11	10,278	11	32,080	11	10,909	11	32,737	11	86,684	11
11 1/4	10,506	11 1/4	32,307	11 1/4	10,136	11 1/4	31,964	11 1/4	86,912	11 1/4
11 1/2	10,733	11 1/2	32,533	11 1/2	9,363	11 1/2	31,191	11 1/2	87,139	11 1/2
11 3/4	10,961	11 3/4	32,760	11 3/4	8,590	11 3/4	30,418	11 3/4	87,367	11 3/4

*CAPACITY BELOW STRIKE POINT.

GAUGE HEIGHT: 14'-11 1/2" (TO TOP OF BALL VALVE HATCH)

STRAPPED: 3/2/92

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

Chas. Martin
 CHAS. MARTIN CORPORATION

BARGE "B-1017"

INCORP BARGE LINES

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1507

IN.	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	FEET	FEET
0	87,594	98,516	109,437	120,358	131,280	142,201	149,085		
1/4	87,822	98,745	109,665	120,586	131,507	142,429	149,308		
1/2	88,049	98,971	109,892	120,813	131,735	142,656	149,512		
3/4	88,277	99,198	110,120	121,041	131,962	142,884	149,724		
1	88,504	99,426	110,347	121,268	132,190	143,111	149,937		
1 1/4	88,732	99,653	110,575	121,496	132,417	143,339			
1 1/2	88,959	99,881	110,802	121,723	132,645	143,566			
1 3/4	89,187	100,108	111,030	121,951	132,872	143,794			
2	89,415	100,336	111,257	122,179	133,100	144,021			
2 1/4	89,642	100,563	111,485	122,406	133,327	144,249			
2 1/2	89,870	100,791	111,712	122,634	133,555	144,476			
2 3/4	90,097	101,018	111,940	122,861	133,782	144,704			
3	90,325	101,246	112,167	123,089	134,010	144,931			
3 1/4	90,552	101,474	112,395	123,316	134,238	145,159			
3 1/2	90,780	101,701	112,622	123,544	134,465	145,386			
3 3/4	91,007	101,929	112,850	123,771	134,693	145,614			
4	91,235	102,156	113,077	124,000	134,920	145,841			
4 1/4	91,462	102,384	113,305	124,226	135,148	146,066			
4 1/2	91,690	102,611	113,532	124,454	135,375	146,291			
4 3/4	91,917	102,839	113,760	124,681	135,603	146,516			
5	92,145	103,066	113,988	124,909	135,830	146,740			
5 1/4	92,372	103,294	114,215	125,136	136,058	146,965			
5 1/2	92,600	103,521	114,443	125,364	136,285	147,189			
5 3/4	92,827	103,749	114,670	125,591	136,513	147,413			
6	93,055	103,976	114,898	125,819	136,740	147,637			
6 1/4	93,282	104,204	115,125	126,047	136,968	147,861			
6 1/2	93,510	104,431	115,353	126,274	137,195	148,085			
6 3/4	93,738	104,659	115,580	126,502	137,423	148,309			
7	93,965	104,886	115,808	126,729	137,650	148,533			
7 1/4	94,193	105,114	116,035	126,957	137,878	148,757			
7 1/2	94,420	105,341	116,263	127,184	138,106	148,981			
7 3/4	94,648	105,569	116,490	127,412	138,333	149,205			
8	94,875	105,797	116,718	127,639	138,561	149,429			
8 1/4	95,103	106,024	116,945	127,867	138,788	149,653			
8 1/2	95,330	106,252	117,173	128,094	139,016	149,877			
8 3/4	95,558	106,479	117,400	128,322	139,243	150,101			
9	95,785	106,707	117,628	128,549	139,471	150,325			
9 1/4	96,013	106,934	117,856	128,777	139,698	150,549			
9 1/2	96,240	107,162	118,083	129,004	139,926	150,773			
9 3/4	96,468	107,389	118,311	129,232	140,153	151,000			
10	96,695	107,617	118,538	129,459	140,381	151,227			
10 1/4	96,923	107,844	118,766	129,687	140,608	151,454			
10 1/2	97,150	108,072	118,993	129,915	140,836	151,681			
10 3/4	97,378	108,299	119,221	130,142	141,063	151,908			
11	97,606	108,527	119,448	130,370	141,291	152,135			
11 1/4	97,833	108,754	119,676	130,597	141,516	152,362			
11 1/2	98,061	108,982	119,903	130,825	141,746	152,589			
11 3/4	98,288	109,209	120,131	131,052	141,973	152,816			

CAPACITY IN U. S. GALLONS

GAUGE HEIGHT: 14'-11 1/2" (TO TOP OF BALL VALVE MATCH)

SIGNEED: 3/2/92

CHAS. MARTIN CORPORATION

BARGE "B-1017"

INCH GAUGE LINES

BARGE SHOULD BE ON EYEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

IN.	0 FEET	1 FEET	2 FEET	3 FEET	4 FEET	5 FEET	6 FEET	7 FEET	IN.
0	1,288	13,260	25,212	37,264	49,256	61,248	73,240	85,232	0
1/4	1,536	13,550	25,572	37,514	49,506	61,498	73,490	85,482	1/4
1/2	1,784	13,760	25,772	37,764	49,756	61,748	73,740	85,732	1/2
3/4	2,032	14,050	26,022	38,014	50,006	61,998	73,990	85,982	3/4
1	2,280	14,280	26,272	38,264	50,256	62,248	74,240	86,232	1
1 1/4	2,528	14,530	26,522	38,514	50,506	62,498	74,490	86,482	1 1/4
1 1/2	2,776	14,779	26,771	38,765	50,755	62,747	74,739	86,731	1 1/2
1 3/4	3,024	15,029	27,021	39,013	51,005	63,000	75,000	87,000	1 3/4
2	3,272	15,279	27,271	39,263	51,255	63,247	75,249	87,251	2
2 1/4	3,520	15,529	27,521	39,513	51,505	63,497	75,499	87,499	2 1/4
2 1/2	3,768	15,779	27,771	39,763	51,755	63,747	75,749	87,749	2 1/2
2 3/4	4,016	16,029	28,021	40,013	52,005	63,997	75,999	87,999	2 3/4
3	4,264	16,278	28,270	40,263	52,254	64,246	76,248	88,250	3
3 1/4	4,512	16,528	28,520	40,512	52,504	64,496	76,498	88,498	3 1/4
3 1/2	4,760	16,778	28,770	40,762	52,754	64,746	76,748	88,750	3 1/2
3 3/4	5,008	17,028	29,020	41,012	53,004	64,996	76,998	88,998	3 3/4
4	5,256	17,278	29,270	41,262	53,254	65,246	77,248	89,250	4
4 1/4	5,504	17,528	29,520	41,512	53,504	65,496	77,498	89,498	4 1/4
4 1/2	5,752	17,777	29,769	41,761	53,753	65,745	77,747	89,749	4 1/2
4 3/4	6,000	18,027	30,019	42,011	54,003	65,995	77,997	89,999	4 3/4
5	6,248	18,277	30,269	42,261	54,253	66,245	78,247	90,251	5
5 1/4	6,496	18,527	30,519	42,511	54,503	66,495	78,497	90,499	5 1/4
5 1/2	6,744	18,777	30,769	42,761	54,753	66,745	78,747	90,749	5 1/2
5 3/4	7,000	19,027	31,019	43,011	55,003	66,995	78,997	90,999	5 3/4
6	7,248	19,276	31,268	43,260	55,252	67,244	79,246	91,250	6
6 1/4	7,496	19,526	31,518	43,510	55,502	67,494	79,496	91,498	6 1/4
6 1/2	7,744	19,776	31,768	43,760	55,752	67,744	79,746	91,748	6 1/2
6 3/4	8,000	20,026	32,018	44,010	56,002	67,994	79,996	91,998	6 3/4
7	8,248	20,276	32,268	44,260	56,252	68,244	80,246	92,250	7
7 1/4	8,496	20,526	32,518	44,510	56,502	68,494	80,496	92,498	7 1/4
7 1/2	8,744	20,775	32,767	44,759	56,751	68,743	80,745	92,747	7 1/2
7 3/4	9,000	21,025	33,017	45,009	57,001	68,993	80,995	92,997	7 3/4
8	9,248	21,275	33,267	45,259	57,251	69,243	81,245	93,247	8
8 1/4	9,496	21,525	33,517	45,509	57,501	69,493	81,495	93,497	8 1/4
8 1/2	9,744	21,775	33,767	45,759	57,751	69,743	81,745	93,747	8 1/2
8 3/4	10,000	22,025	34,017	46,009	58,001	69,993	81,995	93,997	8 3/4
9	10,248	22,274	34,266	46,258	58,250	70,242	82,244	94,246	9
9 1/4	10,496	22,524	34,516	46,508	58,500	70,492	82,494	94,496	9 1/4
9 1/2	10,744	22,774	34,766	46,758	58,750	70,742	82,744	94,746	9 1/2
9 3/4	11,000	23,024	35,016	47,008	59,000	70,992	82,994	94,996	9 3/4
10	11,248	23,274	35,266	47,258	59,250	71,242	83,244	95,246	10
10 1/4	11,496	23,524	35,516	47,508	59,500	71,492	83,494	95,496	10 1/4
10 1/2	11,744	23,774	35,766	47,758	59,750	71,742	83,744	95,746	10 1/2
10 3/4	12,000	24,024	36,016	48,008	60,000	71,992	83,994	95,996	10 3/4
11	12,248	24,274	36,266	48,258	60,250	72,242	84,244	96,246	11
11 1/4	12,496	24,524	36,516	48,508	60,500	72,492	84,494	96,496	11 1/4
11 1/2	12,744	24,774	36,766	48,758	60,750	72,742	84,744	96,746	11 1/2
11 3/4	13,000	25,024	37,016	49,008	61,000	72,992	84,994	96,996	11 3/4
12	13,248	25,274	37,266	49,258	61,250	73,242	85,244	97,246	12
12 1/4	13,496	25,524	37,516	49,508	61,500	73,492	85,494	97,496	12 1/4
12 1/2	13,744	25,774	37,766	49,758	61,750	73,742	85,744	97,746	12 1/2
12 3/4	14,000	26,024	38,016	50,008	62,000	73,992	85,994	97,996	12 3/4
13	14,248	26,274	38,266	50,258	62,250	74,242	86,244	98,246	13
13 1/4	14,496	26,524	38,516	50,508	62,500	74,492	86,494	98,496	13 1/4
13 1/2	14,744	26,774	38,766	50,758	62,750	74,742	86,744	98,746	13 1/2
13 3/4	15,000	27,024	39,016	51,008	63,000	74,992	86,994	98,996	13 3/4
14	15,248	27,274	39,266	51,258	63,250	75,242	87,244	99,246	14
14 1/4	15,496	27,524	39,516	51,508	63,500	75,492	87,494	99,496	14 1/4
14 1/2	15,744	27,774	39,766	51,758	63,750	75,742	87,744	99,746	14 1/2
14 3/4	16,000	28,024	40,016	52,008	64,000	75,992	87,994	99,996	14 3/4
15	16,248	28,274	40,266	52,258	64,250	76,242	88,244	100,246	15
15 1/4	16,496	28,524	40,516	52,508	64,500	76,492	88,494	100,496	15 1/4
15 1/2	16,744	28,774	40,766	52,758	64,750	76,742	88,744	100,746	15 1/2
15 3/4	17,000	29,024	41,016	53,008	65,000	76,992	88,994	100,996	15 3/4
16	17,248	29,274	41,266	53,258	65,250	77,242	89,244	101,246	16
16 1/4	17,496	29,524	41,516	53,508	65,500	77,492	89,494	101,496	16 1/4
16 1/2	17,744	29,774	41,766	53,758	65,750	77,742	89,744	101,746	16 1/2
16 3/4	18,000	30,024	42,016	54,008	66,000	77,992	89,994	101,996	16 3/4
17	18,248	30,274	42,266	54,258	66,250	78,242	90,244	102,246	17
17 1/4	18,496	30,524	42,516	54,508	66,500	78,492	90,494	102,496	17 1/4
17 1/2	18,744	30,774	42,766	54,758	66,750	78,742	90,744	102,746	17 1/2
17 3/4	19,000	31,024	43,016	55,008	67,000	78,992	90,994	102,996	17 3/4
18	19,248	31,274	43,266	55,258	67,250	79,242	91,244	103,246	18
18 1/4	19,496	31,524	43,516	55,508	67,500	79,492	91,494	103,496	18 1/4
18 1/2	19,744	31,774	43,766	55,758	67,750	79,742	91,744	103,746	18 1/2
18 3/4	20,000	32,024	44,016	56,008	68,000	79,992	91,994	103,996	18 3/4
19	20,248	32,274	44,266	56,258	68,250	80,242	92,244	104,246	19
19 1/4	20,496	32,524	44,516	56,508	68,500	80,492	92,494	104,496	19 1/4
19 1/2	20,744	32,774	44,766	56,758	68,750	80,742	92,744	104,746	19 1/2
19 3/4	21,000	33,024	45,016	57,008	69,000	80,992	92,994	104,996	19 3/4
20	21,248	33,274	45,266	57,258	69,250	81,242	93,244	105,246	20
20 1/4	21,496	33,524	45,516	57,508	69,500	81,492	93,494	105,496	20 1/4
20 1/2	21,744	33,774	45,766	57,758	69,750	81,742	93,744	105,746	20 1/2
20 3/4	22,000	34,024	46,016	58,008	70,000	81,992	93,994	105,996	20 3/4
21	22,248	34,274	46,266	58,258	70,250	82,242	94,244	106,246	21
21 1/4	22,496	34,524	46,516	58,508	70,500	82,492	94,494	106,496	21 1/4
21 1/2	22,744	34,774	46,766	58,758	70,750	82,742	94,744	106,746	21 1/2
21 3/4	23,000	35,024	47,016	59,008	71,000	82,992	94,994	106,996	21 3/4
22	23,248	35,274	47,266	59,258	71,250	83,242	95,244	107,246	22
22 1/4	23,496	35,524	47,516	59,508	71,500	83,492	95,494	107,496	22 1/4
22 1/2	23,744	35,774	47,766	59,758	71,750	83,742	95,744	107,746	22 1/2
22 3/4	24,000	36,024	48,016	60,008	72,000	83,992	95,994	107,996	22 3/4
23	24,248	36,274	48,266	60,258	72,250	84,242	96,244	108,246	23
23 1/4	24,496	36,524	48,516	60,508	72,500	84,492	96,494	108,496	23 1/4
23 1/2	24,744	36,774	48,766	60,758	72,750	84,742	96,744	108,746	23 1/2
23 3/4	25,000	37,024	49,016	61,008	73,000	84,992	96,994	108,996	23 3/4
24	25,248	37,274	49,266	61,258	73,250	85,242	97,244		

BARGE "B-1017"

INGRAM BARGE LINES

SHEET NO. 2 OF 2
TANK NUMBER
3

COMPANY OF INCORPORATED

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 1587

	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	13 FEET	14 FEET	FEET	FEET
IN.	0	0	0	0	0	0	0	IN.	IN.
0	97,224	109,216	121,208	133,104	144,990	155,666	162,529		
1/4	97,474	109,466	121,458	133,346	144,823	155,899			
1/2	97,724	109,716	121,708	133,588	145,056	156,124			
3/4	97,974	109,966	121,958	133,831	145,290	156,353			
1	98,224	110,216	122,208	134,073	145,523	156,581			
1/4	98,474	110,465	122,457	134,315	145,756	156,810			
1/2	98,723	110,715	122,707	134,558	145,989	157,039			
3/4	98,973	110,965	122,957	134,800	146,223	157,268			
2	99,223	111,215	123,207	135,042	146,456	157,496			
1/4	99,473	111,465	123,457	135,285	146,689	157,725			
1/2	99,723	111,715	123,707	135,527	146,923	157,954			
3/4	99,973	111,964	123,956	135,769	147,156	158,183			
3	100,222	112,214	124,206	136,012	147,389	158,411			
1/4	100,472	112,464	124,456	136,254	147,622	158,640			
1/2	100,722	112,714	124,706	136,496	147,856	158,869			
3/4	100,972	112,964	124,956	136,738	148,089	159,098			
4	101,222	113,214	125,206	136,981	148,322	159,327			
1/4	101,472	113,465	125,456	137,220	148,552	159,556			
1/2	101,721	113,715	125,702	137,459	148,785	159,785			
3/4	101,971	113,965	125,951	137,699	149,013	159,947			
5	102,221	114,215	126,199	137,938	149,243	160,176			
1/4	102,471	114,465	126,447	138,177	149,473	160,405			
1/2	102,721	114,715	126,696	138,416	149,704	160,634			
3/4	102,971	114,962	126,944	138,656	149,934	160,863			
6	103,220	115,212	127,192	138,895	150,164	161,092			
1/4	103,470	115,462	127,441	139,134	150,395	161,321			
1/2	103,720	115,712	127,689	139,374	150,625	161,550			
3/4	103,970	115,962	127,937	139,613	150,855	161,779			
7	104,220	116,212	128,186	139,852	151,085	162,008			
1/4	104,470	116,461	128,434	140,092	151,316	162,237			
1/2	104,719	116,711	128,682	140,331	151,546	162,466			
3/4	104,969	116,961	128,931	140,570	151,776	162,695			
8	105,219	117,211	129,179	140,809	152,006	162,924			
1/4	105,469	117,461	129,424	141,046	152,235	163,153			
1/2	105,719	117,711	129,669	141,282	152,464	163,382			
3/4	105,969	117,961	129,915	141,518	152,693	163,611			
9	106,218	118,210	130,160	141,755	152,921	163,840			
1/4	106,468	118,460	130,405	141,991	153,150	164,069			
1/2	106,718	118,710	130,651	142,227	153,379	164,298			
3/4	106,968	118,960	130,896	142,463	153,608	164,527			
10	107,218	119,210	131,141	142,700	153,836	164,756			
1/4	107,468	119,459	131,387	142,936	154,065	164,985			
1/2	107,717	119,709	131,632	143,172	154,294	165,214			
3/4	107,967	119,959	131,877	143,408	154,523	165,443			
11	108,217	120,209	132,123	143,645	154,751	165,672			
1/4	108,467	120,459	132,368	143,881	154,980	165,901			
1/2	108,717	120,709	132,613	144,117	155,209	166,130			
3/4	108,967	120,958	132,859	144,354	155,438	166,359			

CAPACITY RE. U. S. GALLONS

NET WEIGHT: 14'-10" (TO TOP OF BALL VALVE MATCH)

STRAPPED 3/2/92

CHAS. MARTIN CORPORATION