

Chas. MARTIN

A COMPANY OF  INSPECTORATE

BARGE "IB 1014"

INGRAM OHIO 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: 11/28/91

BARGE "IB 1014"

INGRAM OHIO BARGE LINES

1

A
COMPANY OF INSPECTORATE

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

HULL NO. 1583

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	*492	0	11,357	0	22,217	0	33,043	0	43,904	0	54,766	0	65,628	0	76,490	0	CONTINUED
1/4	719	1/4	11,583	1/4	22,443	1/4	33,269	1/4	44,131	1/4	54,992	1/4	65,854	1/4	76,716	1/4	ON SHEET
1/2	945	1/2	11,809	1/2	22,668	1/2	33,495	1/2	44,357	1/2	55,219	1/2	66,080	1/2	76,942	1/2	NO. 2
3/4	1,171	3/4	12,036	3/4	22,894	3/4	33,722	3/4	44,583	3/4	55,445	3/4	66,307	3/4	77,168	3/4	
1	1,398	1	12,262	1	23,119	1	33,948	1	44,810	1	55,671	1	66,533	1	77,395	1	
1/4	1,624	1/4	12,488	1/4	23,345	1/4	34,174	1/4	45,036	1/4	55,898	1/4	66,759	1/4	77,621	1/4	
1/2	1,851	1/2	12,714	1/2	23,570	1/2	34,401	1/2	45,262	1/2	56,124	1/2	66,986	1/2	77,847	1/2	
3/4	2,077	3/4	12,941	3/4	23,796	3/4	34,627	3/4	45,488	3/4	56,350	3/4	67,212	3/4	78,074	3/4	
2	2,303	2	13,167	2	24,021	2	34,853	2	45,715	2	56,576	2	67,438	2	78,300	2	
1/4	2,530	1/4	13,393	1/4	24,247	1/4	35,079	1/4	45,941	1/4	56,803	1/4	67,664	1/4	78,526	1/4	
1/2	2,756	1/2	13,620	1/2	24,472	1/2	35,306	1/2	46,167	1/2	57,029	1/2	67,891	1/2	78,752	1/2	
3/4	2,983	3/4	13,846	3/4	24,698	3/4	35,532	3/4	46,394	3/4	57,255	3/4	68,117	3/4	78,979	3/4	
3	3,209	3	14,072	3	24,923	3	35,758	3	46,620	3	57,482	3	68,343	3	79,205	3	
1/4	3,435	1/4	14,299	1/4	25,149	1/4	35,985	1/4	46,846	1/4	57,708	1/4	68,570	1/4	79,431	1/4	
1/2	3,662	1/2	14,525	1/2	25,374	1/2	36,211	1/2	47,072	1/2	57,934	1/2	68,796	1/2	79,658	1/2	
3/4	3,888	3/4	14,751	3/4	25,600	3/4	36,437	3/4	47,299	3/4	58,160	3/4	69,022	3/4	79,884	3/4	
4	4,115	4	14,977	4	25,825	4	36,663	4	47,525	4	58,387	4	69,248	4	80,110	4	
1/4	4,341	1/4	15,204	1/4	26,051	1/4	36,890	1/4	47,751	1/4	58,613	1/4	69,475	1/4	80,336	1/4	
1/2	4,567	1/2	15,430	1/2	26,276	1/2	37,116	1/2	47,978	1/2	58,839	1/2	69,701	1/2	80,563	1/2	
3/4	4,794	3/4	15,656	3/4	26,502	3/4	37,342	3/4	48,204	3/4	59,066	3/4	69,927	3/4	80,789	3/4	
5	5,020	5	15,883	5	26,727	5	37,569	5	48,430	5	59,292	5	70,154	5	81,015	5	
1/4	5,247	1/4	16,109	1/4	26,953	1/4	37,795	1/4	48,656	1/4	59,518	1/4	70,380	1/4	81,242	1/4	
1/2	5,473	1/2	16,335	1/2	27,178	1/2	38,021	1/2	48,883	1/2	59,744	1/2	70,606	1/2	81,468	1/2	
3/4	5,699	3/4	16,562	3/4	27,404	3/4	38,247	3/4	49,109	3/4	59,971	3/4	70,832	3/4	81,694	3/4	
6	5,926	6	16,788	6	27,629	6	38,474	6	49,335	6	60,197	6	71,059	6	81,920	6	
1/4	6,152	1/4	17,014	1/4	27,855	1/4	38,700	1/4	49,562	1/4	60,423	1/4	71,285	1/4	82,147	1/4	
1/2	6,378	1/2	17,240	1/2	28,080	1/2	38,926	1/2	49,788	1/2	60,650	1/2	71,511	1/2	82,373	1/2	
3/4	6,604	3/4	17,467	3/4	28,306	3/4	39,153	3/4	50,014	3/4	60,876	3/4	71,738	3/4	82,599	3/4	
7	6,831	7	17,693	7	28,531	7	39,379	7	50,240	7	61,102	7	71,964	7	82,826	7	
1/4	7,057	1/4	17,919	1/4	28,757	1/4	39,605	1/4	50,467	1/4	61,328	1/4	72,190	1/4	83,052	1/4	
1/2	7,283	1/2	18,146	1/2	28,982	1/2	39,831	1/2	50,693	1/2	61,555	1/2	72,416	1/2	83,278	1/2	
3/4	7,510	3/4	18,372	3/4	29,208	3/4	40,058	3/4	50,919	3/4	61,781	3/4	72,643	3/4	83,504	3/4	
8	7,736	8	18,598	8	29,433	8	40,284	8	51,146	8	62,007	8	72,869	8	83,731	8	
1/4	7,962	1/4	18,825	1/4	29,659	1/4	40,510	1/4	51,372	1/4	62,234	1/4	73,095	1/4	83,957	1/4	
1/2	8,189	1/2	19,051	1/2	29,884	1/2	40,737	1/2	51,598	1/2	62,460	1/2	73,322	1/2	84,183	1/2	
3/4	8,415	3/4	19,277	3/4	30,110	3/4	40,963	3/4	51,824	3/4	62,686	3/4	73,548	3/4	84,410	3/4	
9	8,641	9	19,503	9	30,335	9	41,189	9	52,051	9	62,912	9	73,774	9	84,636	9	
1/4	8,867	1/4	19,730	1/4	30,561	1/4	41,415	1/4	52,277	1/4	63,139	1/4	74,000	1/4	84,862	1/4	
1/2	9,094	1/2	19,956	1/2	30,786	1/2	41,642	1/2	52,503	1/2	63,365	1/2	74,227	1/2	85,088	1/2	
3/4	9,320	3/4	20,182	3/4	31,012	3/4	41,868	3/4	52,730	3/4	63,591	3/4	74,453	3/4	85,315	3/4	
10	9,546	10	20,409	10	31,237	10	42,094	10	52,956	10	63,818	10	74,679	10	85,541	10	
1/4	9,773	1/4	20,635	1/4	31,463	1/4	42,321	1/4	53,182	1/4	64,044	1/4	74,906	1/4	85,767	1/4	
1/2	9,999	1/2	20,861	1/2	31,688	1/2	42,547	1/2	53,408	1/2	64,270	1/2	75,132	1/2	85,994	1/2	
3/4	10,225	3/4	21,087	3/4	31,914	3/4	42,773	3/4	53,635	3/4	64,496	3/4	75,358	3/4	86,220	3/4	
11	10,451	11	21,314	11	32,139	11	42,999	11	53,861	11	64,723	11	75,584	11	86,446	11	
1/4	10,678	1/4	21,540	1/4	32,365	1/4	43,226	1/4	54,087	1/4	64,949	1/4	75,811	1/4	86,672	1/4	
1/2	10,904	1/2	21,766	1/2	32,590	1/2	43,452	1/2	54,314	1/2	65,175	1/2	76,037	1/2	86,899	1/2	
3/4	11,130	3/4	21,992	3/4	32,817	3/4	43,678	3/4	54,540	3/4	65,402	3/4	76,263	3/4	87,125	3/4	

CAPACITY IN: U.S. GALLONS

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

*CAPACITY BELOW STRIKE POINT.

STRAPPED: 11/28/91

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

[Signature]
CHAS. MARTIN CORPORATION

Chas. MARTIN

A COMPANY OF 

BARGE "IB 1014"

INGRAM OHIO BARGE LINES

SHEET NO. 2 OF 2
TANK NUMBER:

1

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

HULL NO. 1583

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		14 FEET		FEET	FEET
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	87,351	0	98,213	0	109,075	0	118,680	0	128,231	0	137,781	0	144,314	0	
1/4	87,578	1/4	98,439	1/4	109,301	1/4	118,879	1/4	128,430	1/4	137,980	1/4	144,325	1/4	
1/2	87,804	1/2	98,665	1/2	109,528	1/2	119,078	1/2	128,629	1/2	138,179	1/2	144,337	1/2	
3/4	88,030	3/4	98,892	3/4	109,727	3/4	119,277	3/4	128,828	3/4	138,378	3/4	144,348	3/4	
1	88,256	1	99,118	1	109,926	1	119,476	1	129,027	1	138,577	1		1	
1/4	88,483	1/4	99,344	1/4	110,125	1/4	119,675	1/4	129,226	1/4	138,776	1/4		1/4	
1/2	88,709	1/2	99,571	1/2	110,323	1/2	119,874	1/2	129,425	1/2	138,975	1/2		1/2	
3/4	88,935	3/4	99,797	3/4	110,522	3/4	120,073	3/4	129,624	3/4	139,174	3/4		3/4	
2	89,161	2	100,023	2	110,721	2	120,272	2	129,823	2	139,373	2		2	
1/4	89,388	1/4	100,249	1/4	110,920	1/4	120,471	1/4	130,022	1/4	139,572	1/4		1/4	
1/2	89,614	1/2	100,476	1/2	111,119	1/2	120,670	1/2	130,221	1/2	139,771	1/2		1/2	
3/4	89,840	3/4	100,702	3/4	111,318	3/4	120,869	3/4	130,420	3/4	139,970	3/4		3/4	
3	90,067	3	100,928	3	111,517	3	121,068	3	130,619	3	140,169	3		3	
1/4	90,293	1/4	101,155	1/4	111,716	1/4	121,267	1/4	130,818	1/4	140,368	1/4		1/4	
1/2	90,519	1/2	101,381	1/2	111,915	1/2	121,466	1/2	131,016	1/2	140,567	1/2		1/2	
3/4	90,745	3/4	101,607	3/4	112,114	3/4	121,665	3/4	131,215	3/4	140,766	3/4		3/4	
4	90,972	4	101,833	4	112,313	4	121,864	4	131,414	4	140,954	4		4	
1/4	91,198	1/4	102,060	1/4	112,512	1/4	122,063	1/4	131,613	1/4	141,142	1/4		1/4	
1/2	91,424	1/2	102,286	1/2	112,711	1/2	122,262	1/2	131,812	1/2	141,330	1/2		1/2	
3/4	91,651	3/4	102,512	3/4	112,910	3/4	122,461	3/4	132,011	3/4	141,518	3/4		3/4	
5	91,877	5	102,739	5	113,109	5	122,660	5	132,210	5	141,684	5		5	
1/4	92,103	1/4	102,965	1/4	113,308	1/4	122,859	1/4	132,409	1/4	141,849	1/4		1/4	
1/2	92,329	1/2	103,191	1/2	113,507	1/2	123,058	1/2	132,608	1/2	142,015	1/2		1/2	
3/4	92,556	3/4	103,417	3/4	113,706	3/4	123,257	3/4	132,807	3/4	142,181	3/4		3/4	
6	92,782	6	103,644	6	113,905	6	123,456	6	133,006	6	142,325	6		6	
1/4	93,008	1/4	103,870	1/4	114,104	1/4	123,655	1/4	133,205	1/4	142,468	1/4		1/4	
1/2	93,235	1/2	104,096	1/2	114,303	1/2	123,854	1/2	133,404	1/2	142,612	1/2		1/2	
3/4	93,461	3/4	104,323	3/4	114,502	3/4	124,052	3/4	133,603	3/4	142,756	3/4		3/4	
7	93,687	7	104,549	7	114,701	7	124,251	7	133,802	7	142,877	7		7	
1/4	93,913	1/4	104,775	1/4	114,900	1/4	124,450	1/4	134,001	1/4	142,999	1/4		1/4	
1/2	94,140	1/2	105,001	1/2	115,099	1/2	124,649	1/2	134,200	1/2	143,121	1/2		1/2	
3/4	94,366	3/4	105,228	3/4	115,298	3/4	124,848	3/4	134,399	3/4	143,242	3/4		3/4	
8	94,592	8	105,454	8	115,497	8	125,047	8	134,598	8	143,342	8		8	
1/4	94,819	1/4	105,680	1/4	115,696	1/4	125,246	1/4	134,797	1/4	143,441	1/4		1/4	
1/2	95,045	1/2	105,907	1/2	115,895	1/2	125,445	1/2	134,996	1/2	143,541	1/2		1/2	
3/4	95,271	3/4	106,133	3/4	116,094	3/4	125,644	3/4	135,195	3/4	143,640	3/4		3/4	
9	95,497	9	106,359	9	116,293	9	125,843	9	135,394	9	143,717	9		9	
1/4	95,724	1/4	106,585	1/4	116,492	1/4	126,042	1/4	135,593	1/4	143,795	1/4		1/4	
1/2	95,950	1/2	106,812	1/2	116,691	1/2	126,241	1/2	135,792	1/2	143,872	1/2		1/2	
3/4	96,176	3/4	107,038	3/4	116,890	3/4	126,440	3/4	135,991	3/4	143,950	3/4		3/4	
10	96,403	10	107,264	10	117,089	10	126,639	10	136,190	10	144,005	10		10	
1/4	96,629	1/4	107,491	1/4	117,287	1/4	126,838	1/4	136,389	1/4	144,060	1/4		1/4	
1/2	96,855	1/2	107,717	1/2	117,486	1/2	127,037	1/2	136,588	1/2	144,115	1/2		1/2	
3/4	97,081	3/4	107,943	3/4	117,685	3/4	127,236	3/4	136,787	3/4	144,171	3/4		3/4	
11	97,308	11	108,169	11	117,884	11	127,435	11	136,986	11	144,204	11		11	
1/4	97,534	1/4	108,396	1/4	118,083	1/4	127,634	1/4	137,185	1/4	144,237	1/4		1/4	
1/2	97,760	1/2	108,622	1/2	118,282	1/2	127,833	1/2	137,384	1/2	144,270	1/2		1/2	
3/4	97,987	3/4	108,848	3/4	118,481	3/4	128,032	3/4	137,583	3/4	144,303	3/4		3/4	

CAPACITY IN: U.S. GALLONS

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

STRAPPED: 11/28/91


CHAS. MARTIN CORPORATION

BARGE "IB 1014"

INGRAM OHIO BARGE LINES

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

HULL NO. 1583

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.			
0	* 493	0	11,393	0	22,290	0	33,148	0	44,047	0	54,946	0	65,845	0	76,744	0	CONTINUED ON SHEET NO. 2
1/4	721	1/4	11,620	1/4	22,516	1/4	33,375	1/4	44,274	1/4	55,173	1/4	66,072	1/4	76,971	1/4	
1/2	948	1/2	11,847	1/2	22,742	1/2	33,602	1/2	44,501	1/2	55,400	1/2	66,299	1/2	77,198	1/2	
3/4	1,175	3/4	12,074	3/4	22,968	3/4	33,829	3/4	44,728	3/4	55,627	3/4	66,526	3/4	77,425	3/4	
1	1,402	1	12,301	1	23,195	1	34,056	1	44,955	1	55,854	1	66,753	1	77,652	1	
1/4	1,629	1/4	12,528	1/4	23,421	1/4	34,283	1/4	45,182	1/4	56,081	1/4	66,980	1/4	77,879	1/4	
1/2	1,856	1/2	12,755	1/2	23,647	1/2	34,510	1/2	45,409	1/2	56,308	1/2	67,207	1/2	78,106	1/2	
3/4	2,083	3/4	12,982	3/4	23,873	3/4	34,737	3/4	45,636	3/4	56,535	3/4	67,434	3/4	78,334	3/4	
2	2,310	2	13,209	2	24,099	2	34,964	2	45,863	2	56,762	2	67,661	2	78,561	2	
1/4	2,537	1/4	13,436	1/4	24,325	1/4	35,191	1/4	46,090	1/4	56,989	1/4	67,889	1/4	78,788	1/4	
1/2	2,764	1/2	13,663	1/2	24,552	1/2	35,418	1/2	46,317	1/2	57,216	1/2	68,116	1/2	79,015	1/2	
3/4	2,991	3/4	13,890	3/4	24,778	3/4	35,645	3/4	46,544	3/4	57,444	3/4	68,343	3/4	79,242	3/4	
3	3,218	3	14,117	3	25,004	3	35,872	3	46,772	3	57,671	3	68,570	3	79,469	3	
1/4	3,445	1/4	14,344	1/4	25,230	1/4	36,099	1/4	46,999	1/4	57,898	1/4	68,797	1/4	79,696	1/4	
1/2	3,672	1/2	14,571	1/2	25,456	1/2	36,327	1/2	47,226	1/2	58,125	1/2	69,024	1/2	79,923	1/2	
3/4	3,899	3/4	14,799	3/4	25,682	3/4	36,554	3/4	47,453	3/4	58,352	3/4	69,251	3/4	80,150	3/4	
4	4,126	4	15,026	4	25,909	4	36,781	4	47,680	4	58,579	4	69,478	4	80,377	4	
1/4	4,354	1/4	15,253	1/4	26,135	1/4	37,008	1/4	47,907	1/4	58,806	1/4	69,705	1/4	80,604	1/4	
1/2	4,581	1/2	15,480	1/2	26,361	1/2	37,235	1/2	48,134	1/2	59,033	1/2	69,932	1/2	80,831	1/2	
3/4	4,808	3/4	15,707	3/4	26,587	3/4	37,462	3/4	48,361	3/4	59,260	3/4	70,159	3/4	81,058	3/4	
5	5,035	5	15,934	5	26,813	5	37,689	5	48,588	5	59,487	5	70,386	5	81,285	5	
1/4	5,262	1/4	16,161	1/4	27,039	1/4	37,916	1/4	48,815	1/4	59,714	1/4	70,613	1/4	81,512	1/4	
1/2	5,489	1/2	16,388	1/2	27,266	1/2	38,143	1/2	49,042	1/2	59,941	1/2	70,840	1/2	81,740	1/2	
3/4	5,716	3/4	16,615	3/4	27,492	3/4	38,370	3/4	49,269	3/4	60,168	3/4	71,067	3/4	81,967	3/4	
6	5,943	6	16,842	6	27,718	6	38,597	6	49,496	6	60,395	6	71,295	6	82,194	6	
1/4	6,170	1/4	17,069	1/4	27,944	1/4	38,824	1/4	49,723	1/4	60,622	1/4	71,522	1/4	82,421	1/4	
1/2	6,397	1/2	17,296	1/2	28,170	1/2	39,051	1/2	49,950	1/2	60,850	1/2	71,749	1/2	82,648	1/2	
3/4	6,624	3/4	17,523	3/4	28,396	3/4	39,278	3/4	50,177	3/4	61,077	3/4	71,976	3/4	82,875	3/4	
7	6,851	7	17,750	7	28,623	7	39,505	7	50,405	7	61,304	7	72,203	7	83,102	7	
1/4	7,078	1/4	17,977	1/4	28,849	1/4	39,732	1/4	50,632	1/4	61,531	1/4	72,430	1/4	83,329	1/4	
1/2	7,305	1/2	18,205	1/2	29,075	1/2	39,960	1/2	50,859	1/2	61,758	1/2	72,657	1/2	83,556	1/2	
3/4	7,532	3/4	18,432	3/4	29,301	3/4	40,187	3/4	51,086	3/4	61,985	3/4	72,884	3/4	83,783	3/4	
8	7,760	8	18,659	8	29,527	8	40,414	8	51,313	8	62,212	8	73,111	8	84,010	8	
1/4	7,987	1/4	18,886	1/4	29,753	1/4	40,641	1/4	51,540	1/4	62,439	1/4	73,338	1/4	84,237	1/4	
1/2	8,214	1/2	19,113	1/2	29,979	1/2	40,868	1/2	51,767	1/2	62,666	1/2	73,565	1/2	84,464	1/2	
3/4	8,441	3/4	19,340	3/4	30,206	3/4	41,095	3/4	51,994	3/4	62,893	3/4	73,792	3/4	84,691	3/4	
9	8,668	9	19,567	9	30,432	9	41,322	9	52,221	9	63,120	9	74,019	9	84,918	9	
1/4	8,895	1/4	19,794	1/4	30,658	1/4	41,549	1/4	52,448	1/4	63,347	1/4	74,246	1/4	85,145	1/4	
1/2	9,122	1/2	20,021	1/2	30,884	1/2	41,776	1/2	52,675	1/2	63,574	1/2	74,473	1/2	85,373	1/2	
3/4	9,349	3/4	20,248	3/4	31,110	3/4	42,003	3/4	52,902	3/4	63,801	3/4	74,700	3/4	85,600	3/4	
10	9,576	10	20,475	10	31,336	10	42,230	10	53,129	10	64,028	10	74,928	10	85,827	10	
1/4	9,803	1/4	20,702	1/4	31,563	1/4	42,457	1/4	53,356	1/4	64,256	1/4	75,155	1/4	86,054	1/4	
1/2	10,030	1/2	20,929	1/2	31,789	1/2	42,684	1/2	53,583	1/2	64,483	1/2	75,382	1/2	86,281	1/2	
3/4	10,257	3/4	21,156	3/4	32,015	3/4	42,911	3/4	53,811	3/4	64,710	3/4	75,609	3/4	86,508	3/4	
11	10,484	11	21,383	11	32,241	11	43,138	11	54,038	11	64,937	11	75,836	11	86,735	11	
1/4	10,711	1/4	21,610	1/4	32,467	1/4	43,366	1/4	54,265	1/4	65,164	1/4	76,063	1/4	86,962	1/4	
1/2	10,938	1/2	21,838	1/2	32,693	1/2	43,593	1/2	54,492	1/2	65,391	1/2	76,290	1/2	87,189	1/2	
3/4	11,165	3/4	22,064	3/4	32,921	3/4	43,820	3/4	54,719	3/4	65,618	3/4	76,517	3/4	87,416	3/4	

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14'-11 1/4" (TO TOP OF BALL VALVE HATCH).

STRAPPED: 11/28/91

*CAPACITY BELOW STRIKE POINT.

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 "IB 1014"

INGRAM OHIO BARGE LINES

A COMPANY OF INSPECTORATE

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

HULL NO. 1583

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		14 FEET		FEET	FEET
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	87,643	0	98,542	0	109,441	0	120,341	0	131,240	0	142,139	0	149,594	0	0
1/4	87,870	1/4	98,769	1/4	109,669	1/4	120,568	1/4	131,467	1/4	142,366	1/4	149,607	1/4	1/4
1/2	88,097	1/2	98,996	1/2	109,896	1/2	120,795	1/2	131,694	1/2	142,593	1/2	149,619	1/2	1/2
3/4	88,324	3/4	99,224	3/4	110,123	3/4	121,022	3/4	131,921	3/4	142,820	3/4	149,632	3/4	3/4
1	88,551	1	99,451	1	110,350	1	121,249	1	132,148	1	143,047	1		1	1
1/4	88,779	1/4	99,678	1/4	110,577	1/4	121,476	1/4	132,375	1/4	143,274	1/4		1/4	1/4
1/2	89,006	1/2	99,905	1/2	110,804	1/2	121,703	1/2	132,602	1/2	143,501	1/2		1/2	1/2
3/4	89,233	3/4	100,132	3/4	111,031	3/4	121,930	3/4	132,829	3/4	143,728	3/4		3/4	3/4
2	89,460	2	100,359	2	111,258	2	122,157	2	133,056	2	143,955	2		2	2
1/4	89,687	1/4	100,586	1/4	111,485	1/4	122,384	1/4	133,283	1/4	144,182	1/4		1/4	1/4
1/2	89,914	1/2	100,813	1/2	111,712	1/2	122,611	1/2	133,510	1/2	144,409	1/2		1/2	1/2
3/4	90,141	3/4	101,040	3/4	111,939	3/4	122,838	3/4	133,737	3/4	144,637	3/4		3/4	3/4
3	90,368	3	101,267	3	112,166	3	123,065	3	133,964	3	144,864	3		3	3
1/4	90,595	1/4	101,494	1/4	112,393	1/4	123,292	1/4	134,192	1/4	145,091	1/4		1/4	1/4
1/2	90,822	1/2	101,721	1/2	112,620	1/2	123,519	1/2	134,419	1/2	145,318	1/2		1/2	1/2
3/4	91,049	3/4	101,948	3/4	112,847	3/4	123,747	3/4	134,646	3/4	145,545	3/4		3/4	3/4
4	91,276	4	102,175	4	113,074	4	123,974	4	134,873	4	145,772	4		4	4
1/4	91,503	1/4	102,402	1/4	113,302	1/4	124,201	1/4	135,100	1/4	145,974	1/4		1/4	1/4
1/2	91,730	1/2	102,629	1/2	113,529	1/2	124,428	1/2	135,327	1/2	146,188	1/2		1/2	1/2
3/4	91,957	3/4	102,857	3/4	113,756	3/4	124,655	3/4	135,554	3/4	146,403	3/4		3/4	3/4
5	92,185	5	103,084	5	113,983	5	124,882	5	135,781	5	146,592	5		5	5
1/4	92,412	1/4	103,311	1/4	114,210	1/4	125,109	1/4	136,008	1/4	146,781	1/4		1/4	1/4
1/2	92,639	1/2	103,538	1/2	114,437	1/2	125,336	1/2	136,235	1/2	146,970	1/2		1/2	1/2
3/4	92,866	3/4	103,765	3/4	114,664	3/4	125,563	3/4	136,462	3/4	147,159	3/4		3/4	3/4
6	93,093	6	103,992	6	114,891	6	125,790	6	136,689	6	147,323	6		6	6
1/4	93,320	1/4	104,219	1/4	115,118	1/4	126,017	1/4	136,916	1/4	147,487	1/4		1/4	1/4
1/2	93,547	1/2	104,446	1/2	115,345	1/2	126,244	1/2	137,143	1/2	147,651	1/2		1/2	1/2
3/4	93,774	3/4	104,673	3/4	115,572	3/4	126,471	3/4	137,370	3/4	147,815	3/4		3/4	3/4
7	94,001	7	104,900	7	115,799	7	126,698	7	137,598	7	147,954	7		7	7
1/4	94,228	1/4	105,127	1/4	116,026	1/4	126,925	1/4	137,825	1/4	148,093	1/4		1/4	1/4
1/2	94,455	1/2	105,354	1/2	116,253	1/2	127,153	1/2	138,052	1/2	148,232	1/2		1/2	1/2
3/4	94,682	3/4	105,581	3/4	116,480	3/4	127,380	3/4	138,279	3/4	148,370	3/4		3/4	3/4
8	94,909	8	105,808	8	116,708	8	127,607	8	138,506	8	148,484	8		8	8
1/4	95,136	1/4	106,035	1/4	116,935	1/4	127,834	1/4	138,733	1/4	148,598	1/4		1/4	1/4
1/2	95,363	1/2	106,263	1/2	117,162	1/2	128,061	1/2	138,960	1/2	148,711	1/2		1/2	1/2
3/4	95,590	3/4	106,490	3/4	117,389	3/4	128,288	3/4	139,187	3/4	148,825	3/4		3/4	3/4
9	95,818	9	106,717	9	117,616	9	128,515	9	139,414	9	148,913	9		9	9
1/4	96,045	1/4	106,944	1/4	117,843	1/4	128,742	1/4	139,641	1/4	149,001	1/4		1/4	1/4
1/2	96,272	1/2	107,171	1/2	118,070	1/2	128,969	1/2	139,868	1/2	149,090	1/2		1/2	1/2
3/4	96,499	3/4	107,398	3/4	118,297	3/4	129,196	3/4	140,095	3/4	149,178	3/4		3/4	3/4
10	96,726	10	107,625	10	118,524	10	129,423	10	140,322	10	149,241	10		10	10
1/4	96,953	1/4	107,852	1/4	118,751	1/4	129,650	1/4	140,549	1/4	149,304	1/4		1/4	1/4
1/2	97,180	1/2	108,079	1/2	118,978	1/2	129,877	1/2	140,776	1/2	149,367	1/2		1/2	1/2
3/4	97,407	3/4	108,306	3/4	119,205	3/4	130,104	3/4	141,003	3/4	149,430	3/4		3/4	3/4
11	97,634	11	108,533	11	119,432	11	130,331	11	141,231	11	149,468	11		11	11
1/4	97,861	1/4	108,760	1/4	119,659	1/4	130,558	1/4	141,458	1/4	149,506	1/4		1/4	1/4
1/2	98,088	1/2	108,987	1/2	119,886	1/2	130,786	1/2	141,685	1/2	149,544	1/2		1/2	1/2
3/4	98,315	3/4	109,214	3/4	120,113	3/4	131,013	3/4	141,912	3/4	149,582	3/4		3/4	3/4

CAPACITY IN: U.S. GALLONS

GAUGE HEIGHT: 14'-11 1/4" (TO TOP OF BALL VALVE HATCH).

STRAPPED: 11/28/91

[Signature]
CHAS. MARTIN CORPORATION

BARGE "IB 1014"

INGRAM OHIO BARGE LINES

3

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

HULL NO. 1583

0 FEET		1 FEET		2 FEET		3 FEET		4 FEET		5 FEET		6 FEET		7 FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	* 542	0	12,594	0	24,647	0	36,700	0	48,753	0	60,806	0	72,859	0	84,912	0	CONTINUED
1/4	793	1/4	12,846	1/4	24,898	1/4	36,951	1/4	49,004	1/4	61,057	1/4	73,110	1/4	85,163	1/4	ON SHEET
1/2	1,044	1/2	13,097	1/2	25,150	1/2	37,202	1/2	49,255	1/2	61,308	1/2	73,361	1/2	85,414	1/2	NO. 2
3/4	1,295	3/4	13,348	3/4	25,401	3/4	37,454	3/4	49,506	3/4	61,559	3/4	73,612	3/4	85,665	3/4	
1	1,546	1	13,599	1	25,652	1	37,705	1	49,758	1	61,810	1	73,863	1	85,916	1	
1/4	1,797	1/4	13,850	1/4	25,903	1/4	37,956	1/4	50,009	1/4	62,062	1/4	74,114	1/4	86,167	1/4	
1/2	2,048	1/2	14,101	1/2	26,154	1/2	38,207	1/2	50,260	1/2	62,313	1/2	74,366	1/2	86,418	1/2	
3/4	2,299	3/4	14,352	3/4	26,405	3/4	38,458	3/4	50,511	3/4	62,564	3/4	74,617	3/4	86,670	3/4	
2	2,550	2	14,603	2	26,656	2	38,709	2	50,762	2	62,815	2	74,868	2	86,921	2	
1/4	2,801	1/4	14,854	1/4	26,907	1/4	38,960	1/4	51,013	1/4	63,066	1/4	75,119	1/4	87,172	1/4	
1/2	3,053	1/2	15,105	1/2	27,158	1/2	39,211	1/2	51,264	1/2	63,317	1/2	75,370	1/2	87,423	1/2	
3/4	3,304	3/4	15,357	3/4	27,409	3/4	39,462	3/4	51,515	3/4	63,568	3/4	75,621	3/4	87,674	3/4	
3	3,555	3	15,608	3	27,661	3	39,713	3	51,766	3	63,819	3	75,872	3	87,925	3	
1/4	3,806	1/4	15,859	1/4	27,912	1/4	39,965	1/4	52,017	1/4	64,070	1/4	76,123	1/4	88,176	1/4	
1/2	4,057	1/2	16,110	1/2	28,163	1/2	40,216	1/2	52,269	1/2	64,321	1/2	76,374	1/2	88,427	1/2	
3/4	4,308	3/4	16,361	3/4	28,414	3/4	40,467	3/4	52,520	3/4	64,573	3/4	76,625	3/4	88,678	3/4	
4	4,559	4	16,612	4	28,665	4	40,718	4	52,771	4	64,824	4	76,877	4	88,929	4	
1/4	4,810	1/4	16,863	1/4	28,916	1/4	40,969	1/4	53,022	1/4	65,075	1/4	77,128	1/4	89,181	1/4	
1/2	5,061	1/2	17,114	1/2	29,167	1/2	41,220	1/2	53,273	1/2	65,326	1/2	77,379	1/2	89,432	1/2	
3/4	5,312	3/4	17,365	3/4	29,418	3/4	41,471	3/4	53,524	3/4	65,577	3/4	77,630	3/4	89,683	3/4	
5	5,564	5	17,616	5	29,669	5	41,722	5	53,775	5	65,828	5	77,881	5	89,934	5	
1/4	5,815	1/4	17,868	1/4	29,920	1/4	41,973	1/4	54,026	1/4	66,079	1/4	78,132	1/4	90,185	1/4	
1/2	6,066	1/2	18,119	1/2	30,172	1/2	42,224	1/2	54,277	1/2	66,330	1/2	78,383	1/2	90,436	1/2	
3/4	6,317	3/4	18,370	3/4	30,423	3/4	42,476	3/4	54,528	3/4	66,581	3/4	78,634	3/4	90,687	3/4	
6	6,568	6	18,621	6	30,674	6	42,727	6	54,780	6	66,832	6	78,885	6	90,938	6	
1/4	6,819	1/4	18,872	1/4	30,925	1/4	42,978	1/4	55,031	1/4	67,084	1/4	79,136	1/4	91,189	1/4	
1/2	7,070	1/2	19,123	1/2	31,176	1/2	43,229	1/2	55,282	1/2	67,335	1/2	79,388	1/2	91,440	1/2	
3/4	7,321	3/4	19,374	3/4	31,427	3/4	43,480	3/4	55,533	3/4	67,586	3/4	79,639	3/4	91,692	3/4	
7	7,572	7	19,625	7	31,678	7	43,731	7	55,784	7	67,837	7	79,890	7	91,943	7	
1/4	7,823	1/4	19,876	1/4	31,929	1/4	43,982	1/4	56,035	1/4	68,088	1/4	80,141	1/4	92,194	1/4	
1/2	8,075	1/2	20,127	1/2	32,180	1/2	44,233	1/2	56,286	1/2	68,339	1/2	80,392	1/2	92,445	1/2	
3/4	8,326	3/4	20,379	3/4	32,431	3/4	44,484	3/4	56,537	3/4	68,590	3/4	80,643	3/4	92,696	3/4	
8	8,577	8	20,630	8	32,683	8	44,735	8	56,788	8	68,841	8	80,894	8	92,947	8	
1/4	8,828	1/4	20,881	1/4	32,934	1/4	44,987	1/4	57,039	1/4	69,092	1/4	81,145	1/4	93,198	1/4	
1/2	9,079	1/2	21,132	1/2	33,185	1/2	45,238	1/2	57,291	1/2	69,343	1/2	81,396	1/2	93,449	1/2	
3/4	9,330	3/4	21,383	3/4	33,436	3/4	45,489	3/4	57,542	3/4	69,595	3/4	81,647	3/4	93,700	3/4	
9	9,581	9	21,634	9	33,687	9	45,740	9	57,793	9	69,846	9	81,899	9	93,951	9	
1/4	9,832	1/4	21,885	1/4	33,938	1/4	45,991	1/4	58,044	1/4	70,097	1/4	82,150	1/4	94,203	1/4	
1/2	10,083	1/2	22,136	1/2	34,189	1/2	46,242	1/2	58,295	1/2	70,348	1/2	82,401	1/2	94,454	1/2	
3/4	10,334	3/4	22,387	3/4	34,440	3/4	46,493	3/4	58,546	3/4	70,599	3/4	82,652	3/4	94,705	3/4	
10	10,586	10	22,638	10	34,691	10	46,744	10	58,797	10	70,850	10	82,903	10	94,956	10	
1/4	10,837	1/4	22,890	1/4	34,942	1/4	46,995	1/4	59,048	1/4	71,101	1/4	83,154	1/4	95,207	1/4	
1/2	11,088	1/2	23,141	1/2	35,194	1/2	47,246	1/2	59,299	1/2	71,352	1/2	83,405	1/2	95,458	1/2	
3/4	11,339	3/4	23,392	3/4	35,445	3/4	47,498	3/4	59,550	3/4	71,603	3/4	83,656	3/4	95,709	3/4	
11	11,590	11	23,643	11	35,696	11	47,749	11	59,802	11	71,854	11	83,907	11	95,960	11	
1/4	11,841	1/4	23,894	1/4	35,947	1/4	48,000	1/4	60,053	1/4	72,106	1/4	84,158	1/4	96,211	1/4	
1/2	12,092	1/2	24,145	1/2	36,198	1/2	48,251	1/2	60,304	1/2	72,357	1/2	84,410	1/2	96,462	1/2	
3/4	12,343	3/4	24,396	3/4	36,449	3/4	48,502	3/4	60,555	3/4	72,608	3/4	84,661	3/4	96,714	3/4	

CAPACITY IN: U.S. GALLONS

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

*CAPACITY BELOW STRIKE POINT.

STRAPPED: 11/28/91

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

[Signature]
CHAS. MARTIN CORPORATION

BARGE "IB 1014"

INGRAM OHIO BARGE LINES

A
COMPANY OF INSPECTORATE

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

HULL NO. 1583

8 FEET		9 FEET		10 FEET		11 FEET		12 FEET		13 FEET		14 FEET		FEET		FEET	
IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.		IN.	
0	96,965	0	109,018	0	121,070	0	133,040	0	144,612	0	155,767	0	163,316	0		0	
1/4	97,216	1/4	109,269	1/4	121,322	1/4	133,287	1/4	144,849	1/4	155,997	1/4	163,329	1/4		1/4	
1/2	97,467	1/2	109,520	1/2	121,573	1/2	133,533	1/2	145,087	1/2	156,227	1/2	163,342	1/2		1/2	
3/4	97,718	3/4	109,771	3/4	121,824	3/4	133,780	3/4	145,324	3/4	156,457	3/4	163,354	3/4		3/4	
1	97,969	1	110,022	1	122,075	1	134,023	1	145,559	1	156,687	1		1		1	
1/4	98,220	1/4	110,273	1/4	122,326	1/4	134,267	1/4	145,793	1/4	156,917	1/4		1/4		1/4	
1/2	98,471	1/2	110,524	1/2	122,577	1/2	134,510	1/2	146,028	1/2	157,147	1/2		1/2		1/2	
3/4	98,722	3/4	110,775	3/4	122,828	3/4	134,754	3/4	146,262	3/4	157,377	3/4		3/4		3/4	
2	98,974	2	111,026	2	123,079	2	134,997	2	146,496	2	157,607	2		2		2	
1/4	99,225	1/4	111,277	1/4	123,330	1/4	135,241	1/4	146,731	1/4	157,836	1/4		1/4		1/4	
1/2	99,476	1/2	111,529	1/2	123,581	1/2	135,485	1/2	146,965	1/2	158,066	1/2		1/2		1/2	
3/4	99,727	3/4	111,780	3/4	123,833	3/4	135,728	3/4	147,200	3/4	158,296	3/4		3/4		3/4	
3	99,978	3	112,031	3	124,084	3	135,972	3	147,434	3	158,526	3		3		3	
1/4	100,229	1/4	112,282	1/4	124,335	1/4	136,215	1/4	147,669	1/4	158,756	1/4		1/4		1/4	
1/2	100,480	1/2	112,533	1/2	124,586	1/2	136,459	1/2	147,903	1/2	158,986	1/2		1/2		1/2	
3/4	100,731	3/4	112,784	3/4	124,837	3/4	136,702	3/4	148,138	3/4	159,216	3/4		3/4		3/4	
4	100,982	4	113,035	4	125,088	4	136,946	4	148,372	4	159,433	4		4		4	
1/4	101,233	1/4	113,286	1/4	125,339	1/4	137,189	1/4	148,607	1/4	159,650	1/4		1/4		1/4	
1/2	101,485	1/2	113,537	1/2	125,590	1/2	137,433	1/2	148,841	1/2	159,867	1/2		1/2		1/2	
3/4	101,736	3/4	113,789	3/4	125,841	3/4	137,676	3/4	149,075	3/4	160,084	3/4		3/4		3/4	
5	101,987	5	114,040	5	126,091	5	137,917	5	149,307	5	160,276	5		5		5	
1/4	102,238	1/4	114,291	1/4	126,341	1/4	138,157	1/4	149,538	1/4	160,468	1/4		1/4		1/4	
1/2	102,489	1/2	114,542	1/2	126,590	1/2	138,398	1/2	149,770	1/2	160,659	1/2		1/2		1/2	
3/4	102,740	3/4	114,793	3/4	126,840	3/4	138,638	3/4	150,001	3/4	160,851	3/4		3/4		3/4	
6	102,991	6	115,044	6	127,089	6	138,879	6	150,233	6	161,017	6		6		6	
1/4	103,242	1/4	115,295	1/4	127,339	1/4	139,119	1/4	150,464	1/4	161,183	1/4		1/4		1/4	
1/2	103,493	1/2	115,546	1/2	127,589	1/2	139,360	1/2	150,695	1/2	161,349	1/2		1/2		1/2	
3/4	103,744	3/4	115,797	3/4	127,838	3/4	139,600	3/4	150,927	3/4	161,515	3/4		3/4		3/4	
7	103,996	7	116,048	7	128,088	7	139,841	7	151,158	7	161,656	7		7		7	
1/4	104,247	1/4	116,300	1/4	128,337	1/4	140,081	1/4	151,390	1/4	161,796	1/4		1/4		1/4	
1/2	104,498	1/2	116,551	1/2	128,587	1/2	140,322	1/2	151,621	1/2	161,937	1/2		1/2		1/2	
3/4	104,749	3/4	116,802	3/4	128,836	3/4	140,562	3/4	151,853	3/4	162,077	3/4		3/4		3/4	
8	105,000	8	117,053	8	129,086	8	140,803	8	152,084	8	162,192	8		8		8	
1/4	105,251	1/4	117,304	1/4	129,336	1/4	141,043	1/4	152,315	1/4	162,307	1/4		1/4		1/4	
1/2	105,502	1/2	117,555	1/2	129,585	1/2	141,284	1/2	152,547	1/2	162,422	1/2		1/2		1/2	
3/4	105,753	3/4	117,806	3/4	129,835	3/4	141,524	3/4	152,778	3/4	162,537	3/4		3/4		3/4	
9	106,004	9	118,057	9	130,081	9	141,762	9	153,008	9	162,626	9		9		9	
1/4	106,255	1/4	118,308	1/4	130,328	1/4	141,999	1/4	153,238	1/4	162,716	1/4		1/4		1/4	
1/2	106,507	1/2	118,559	1/2	130,575	1/2	142,237	1/2	153,468	1/2	162,805	1/2		1/2		1/2	
3/4	106,758	3/4	118,811	3/4	130,821	3/4	142,474	3/4	153,698	3/4	162,895	3/4		3/4		3/4	
10	107,009	10	119,062	10	131,068	10	142,712	10	153,928	10	162,958	10		10		10	
1/4	107,260	1/4	119,313	1/4	131,314	1/4	142,949	1/4	154,158	1/4	163,022	1/4		1/4		1/4	
1/2	107,511	1/2	119,564	1/2	131,561	1/2	143,187	1/2	154,388	1/2	163,086	1/2		1/2		1/2	
3/4	107,762	3/4	119,815	3/4	131,807	3/4	143,424	3/4	154,618	3/4	163,150	3/4		3/4		3/4	
11	108,013	11	120,066	11	132,054	11	143,662	11	154,848	11	163,188	11		11		11	
1/4	108,264	1/4	120,317	1/4	132,300	1/4	143,899	1/4	155,077	1/4	163,227	1/4		1/4		1/4	
1/2	108,515	1/2	120,568	1/2	132,547	1/2	144,137	1/2	155,307	1/2	163,265	1/2		1/2		1/2	
3/4	108,766	3/4	120,819	3/4	132,794	3/4	144,374	3/4	155,537	3/4	163,303	3/4		3/4		3/4	

CAPACITY IN: U.S. GALLONS

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

STRAPPED: 11/28/91

[Signature]
CHAS. MARTIN CORPORATION