

STATE OF TEXAS

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KNOW ALL MEN BY THESE  
PRESENTS

COUNTY OF ORANGE

SUPPLEMENTAL AFFIDAVIT OF RANDY LAUGHLIN

BEFORE ME, the undersigned notary public, on this day personally appeared RANDY LAUGHLIN, who, being first duly sworn by me according to law, on his oath, deposed and stated the following:

"My name is Randy Laughlin, and I am above the age of eighteen (18) years and have never been convicted of a felony or crime involving moral turpitude. I am fully competent to make this affidavit. I have personal knowledge of the facts stated herein and they are all true and correct.

I am providing this affidavit to supplement the affidavit I provided on November 8, 2001.

My prior affidavit stated that I was currently employed by Higman Barge Lines, Inc. ("HBL"). That affidavit was incorrect in that respect. I am currently a Senior Barge Superintendent with Higman Marine Services, Inc. ("HMS"). I was employed by HBL from January 1, 1982 to December 31, 1997. From January 1, 1998 to today, I have been employed by HMS. My current job duties are to oversee the maintenance and repair of towboats and barges owned and/or operated by HBL and a related company named Maryland Marine, Inc. A large part of my job duties involve monitoring repairs to barges and towboats. To carry out my job duties, I visit shipyards that make repairs and perform work on these barges and towboats. I inspect barges and boats while they are in the shipyard, including the cargo tanks of barges. I check the cargo tanks to determine the quantity of prior cargo that remained in the cargo tanks. My job duties were the same during the period of 1993 to 1996.

HBL is a marine transportation company that transports bulk liquid commodities belonging to others. During the period of 1993 to 1996, HBL was almost exclusively engaged in the transport of crude oil and crude oil fractions such as fuel oil. HBL's customers require us to transport their products as quickly and as efficiently as possible while maintaining safety. The means of doing this is to load a barge at one terminal and to transport the barge and its cargo directly to the location where the cargo is to be discharged. HBL's customers require that as much cargo as possible be offloaded at discharge. HBL's barges are not used for the long term storage of cargo. The cargo remains in the barge only as long as it takes to get from the loading location to the discharge location.

In addition to reselling the materials extracted from HBL's barges, Palmer Barge Line ("Palmer") also recycled petroleum products to fire its boiler. The boiler was used to heat water used for the washing of barges and towboats.



I would like to add the following information to my earlier affidavit concerning the work that was done to HBL's vessels at the Palmer facility:

1. For my December 1, 1993 visit to the Palmer facility, the amount of crude oil in the no. 1 starboard cargo tank of the barge S 2018 was less than one barrel. There was less than ¼ inch of cargo in the tank resting in puddles that were sporadically located on the bottom of the tank. According to the strapping tables for the S 2018, ¼ inch of cargo evenly spread through out the no. 1 starboard cargo tank equates to .67 barrels.
2. For my February 14, 1994 trip to the Palmer facility, the amount of crude oil in the nos. 6 port and starboard cargo tanks of the barge HTCO 2201 was less than one barrel. There was less than 1¼ inch of cargo in the tanks resting in puddles that were sporadically located on the bottom of the tank. According to the strapping tables for the HTCO 2201, 1¼ inch of cargo evenly spread through out the nos. 6 port and starboard cargo tanks equates to 2.29 barrels for each tank. No materials other than this small amount of previous petroleum cargo would have been removed from this barge on this occasion.
3. For my March 1, 1994 visit to the Palmer facility, the amount of crude oil in the no. 2 port cargo tank of the barge GDM 264 was less than one barrel. There was less than ¼ inch of cargo in the tank resting in puddles that were sporadically located on the bottom of the tank. HBL no longer has the strapping tables for the GDM 264. However, this barge was similar in size to other barges operated and/or owned by HBL and the strapping tables would be the same for the GDM 264 as it is for the other barges.
4. For my March 1, 1994 visit to the Palmer facility, the amount of crude oil in the no. 1 starboard cargo tank of the barge HTCO 2010 was less than one barrel. There was less than ¼ inch of cargo in the tanks resting in puddles that were sporadically located on the bottom of the tank. According to the strapping tables for the HTCO 2010, ¼ inch of cargo evenly spread through out the no. 1 starboard cargo tank equates to .96 barrels. No materials other than this small amount of previous petroleum cargo would have been removed from this barge on this occasion.
5. For my March 4, 1994 visit to the Palmer facility, the amount of crude oil in the no. 1 starboard cargo tank of the barge HTCO 2302 was less than one barrel. There was less than ¼ inch of cargo in the tank resting in puddles that were sporadically located on the bottom of the tank. According to the strapping tables for the HTCO 2302, ¼ inch of cargo evenly spread through out the no. 1 starboard cargo tank equates to .32 barrels.



6. For my May 13, 1994 visit to the Palmer facility, I would like to correct the reference to the HTCO 2302 in the second sentence. The proper barge name is the HTCO 3007. I would also like to correct my earlier affidavit because the cleaning of this barge was not limited to the no. 1 starboard cargo tank. All tanks on the barge were cleaned. The amount of crude oil in the tank nos. 1, 2 and 3 would have been less than six barrels. There was less than  $\frac{1}{4}$  inch of cargo in the tank nos. 1, 2 and 3 resting in puddles that were sporadically located on the bottom of the tank. According to the strapping tables for the HTCO 3007,  $\frac{1}{4}$  inch of cargo evenly spread throughout tank nos. 1, 2 and 3 equates to 6.55 barrels total. There was less than ten barrels of crude oil in tank no. 4. The tank had less than one inch of crude oil it. According to the strapping table for tank no. 4 of the HTCO 3007, one inch of cargo equates to 9.70 barrels.
7. For my August 3, 1995 visit to the Palmer facility, I would like to be more specific concerning the cargo tanks that were serviced by Palmer. Palmer stripped and washed port tank nos. 3 and 4. The starboard tanks were not cleaned. The amount of crude oil in the nos. 3 and 4 port cargo tanks of the barge HTCO 2201 was less than four barrels. There was less than  $\frac{1}{4}$  inch of cargo in the tanks resting in puddles that were sporadically located on the bottom of the tank. According to the strapping tables for the HTCO 2201,  $\frac{1}{4}$  inch of cargo evenly spread through out the nos. 3 and 4 port cargo tanks equates to 1.52 barrels for each tank. No materials other than this small amount of previous petroleum cargo would have been removed from this barge on this occasion.

Attached to my affidavit as Exhibit A are my time sheets detailing my visits to the Palmer facility. I generated these time sheets in the regular course of the performance of my duties. I recorded the time sheet at or near the time of the events recorded and these records are exact duplicates of the originals.

Also attached to my affidavit are true and correct copies of the strapping tables for the following barges:

1. S 2022, no. 2 starboard tank – Exhibit B;
2. HTCO 2517, no. 2 starboard tank – Exhibit C;
3. S 2018 no. 1 starboard – Exhibit D;
4. HTCO 2201, no. 6 port or starboard tanks – Exhibit E;
5. HTCO 2010, no. 2 port tank – Exhibit F;
6. HTCO 2302, no. 1 starboard tank – Exhibit G;
7. S 2018, no. 1 port and starboard tanks – Exhibit H;
8. HTCO 2516, All tanks – Exhibit I;
9. HTCO 3007, All tanks – Exhibit J; and
10. HTCO 2201; nos. 3 and 4 port or starboard tanks – Exhibit K.

Further, the affiant saith not.”

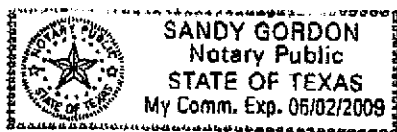


*Randy Laughlin*  
RANDY LAUGHLIN

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SUBSCRIBED AND SWORN to by the said RANDY LAUGHLIN on this the 13<sup>th</sup> day  
of May, 2008, to certify which witness my hand and official seal.



*Sandy Gordon*  
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NOTARY PUBLIC, STATE OF TEXAS

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TIME SHEET

1995

UG ARGE	LOCATION	DATE	HRS	DISCRIPTION OF WORK	START	STOP
		7-11		OFFICE	4Pm	5Pm
		7-12		OFFICE	8Am	5Pm
1AB50	HICO DOCK	7-13		TAKING SUPPLIES OFF BOAT	7Am	5Pm
1AB50	HICO DOCK	7-14		" " "	7:30Am	3Pm
		7-17		VACATION		
		7-18		OFFICE	8Am	4:30Pm
1AB50	WESTLAKE	7-18		DELIVER FITTINGS	7:30Am	1:30Pm
2022	LEEVAE	7-18		INS BARGE	11:30Am	4Pm
		7-18		OFFICE	4Pm	5Pm
EBJK	HICO DOCK	7-19		TAKING SUPPLIES OFF BOAT	7:30Am	8:30Am
1AB50	" "	7-19		COUNT INVENTORY	8:30Am	10:30Am
1700 3011	WESTLAKE	7-19		INS-VAPORS HOOD UP	10:30Am	1Pm
		7-19		OFFICE	1Pm	5Pm
2006-28	TEP VIDOR	7-20		INS. BARGES	7Am	9:30Am
	PERANG BONE	7-20		INS. FITTINGS	9:30Am	11Am
2022	LEEVAE	7-20		INS BARGE	11Am	5Pm
2006-2808	PALMERS	7-21		MID PERIOD	7Am	10Am
		7-21		OFFICE	10Am	3Pm
2092 3010	BEAUMONT	7-22		INS. BARGE	10Am	1Pm
		7-24		OFFICE	8Am	10:30Am
2022	LEEVAE	7-24		INS. BARGE	10:30Am	4Pm
		7-24		OFFICE	4Pm	5Pm
		7-25		OFFICE	8Am	5Pm
		7-26		OFFICE	8Am	11:30Am
2023 2024	PALMERS	7-26		BIENNIAL INS 2024	12:30Pm	3Pm
		7-26		OFFICE	3Pm	5Pm
52022	LEEVAE	7-27		INS. BARGE	7Am	4Pm
		7-27		OFFICE	4Pm	5Pm
52022	LEEVAE	7-28		INS BARGE	7Am	2Pm
		7-28		OFFICE	2Pm	3Pm
52022	LEEVAE	7-31		INS BARGE	7Am	1Pm
" "	" "	8-1		INS BARGE	7Am	1:30Pm
		7-31		OFFICE	1Pm	5Pm
WESTLAKE	3002	8-1		MID PERIOD	1:30Pm	5Pm
201 2513 210 2514	PALMER	8-2	*	BIE 2201 MP 2513	6:30Am	1Pm
				OFFICE	1Pm	5Pm
TOTALS						

DATE

*Randy J. King*  
SIGNATURE



## TIME SHEET

1995

UG LRGE	LOCATION	DATE	HRS	DISCRIPTION OF WORK	START	STOP
2201	PALMER	8-3	*	INS BARBE	7AM	9AM
	<del>OFFICE</del>	8-3		OFFICE	9AM	11AM
003 3004	LAZMARK	8-3		MID PERIOD	11AM	2PM
2022	LEEVMC	8-3		INS. BARBE	2PM	8PM
		8-4		OFFICE	8AM	3PM
		8-7		OFFICE	8AM	5:00PM
		8-8		OFFICE	8AM	3:30PM
511 2512	TC	8-8		INS BARBE	3:30PM	9:30P
01 2302	TC	8-8		" "	9:30PM	12MID
" "	TC	8-9		" "	12MID	12:30AM
		8-9		OFFICE	9AM	12:30PM
009 3010	PALMER	8-9		INS BARBES	12:30PM	2PM
		8-9		OFFICE	2PM	5:30PM
2022	ACADIAN	8-9		TRAVEL TO ACADIAN	5:30PM	11:30PM
"	"	8-10		INS VALVES	7AM	1:30PM
2022	NEWORLEANS	8-10		PICK UP PARTS	1:30PM	3PM
1488888	NOBRO	8-10		DELIVER HOSE	3PM	4PM
2022	ACADIAN	8-10		INS VALVES	4PM	11:30PM
	GRIVES	8-11		INS. PARTS FOR BID	8AM	10:30AM
		8-11		OFFICE	10:30AM	1:30PM
		8-11		OFFICE	1:30PM	3PM
		8-14		OFFICE	8AM	5PM
3006 TOP 3008	CRUMPLER 5/	8-15		<del>OFFICE</del> INS BARBES	8AM	9AM
		8-15		<del>OFFICE</del> OFFICE	9AM	12:00PM
		8-15		OFFICE	1PM	3:30PM
	EROVES	8-15		DELIVER BID	3:30PM	5PM
		8-16		OFFICE	8AM	11:30AM
700 2201	CRUMPLER 5/	8-16		NO SPOBT OFFICE DAMAGE SUPPLY	11:30AM	2:30PM
		8-16		OFFICE	2:30PM	5PM
		8-17		OFFICE	8AM	5PM
		8-18		OFFICE	8AM	10AM
2020 2016	SWB	8-18		INS BARBES	10AM	3PM
2515 2516	SW FLEET	8-18		" "	3PM	4PM
2020 2016	SWB	8-18		" "	4PM	12MID
2020 2016	SWB	8-19		" "	12MID	3AM
TOTALS						

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## TIME SHEET

1994

TUG ARGE	LOCATION	DATE	HRS	DISCRIPTION OF WORK	START	STOP
2511	GALVESTON	5-16	10	INS BARGE COVER BILLS	9AM	6PM
517 GDM24	H TCO DOCK	5-17	1	INS BARGE	7AM	8AM
2516	BURTON S/A	5-17	1	" "	8AM	9AM
73 374	UNION 76	5-18	3 1/2	" "	7AM	10:30AM
2516	BURTON	5-18	3	AUDIO GAUGE	10:30AM	1:30P
		5-17	7	<del>OFFICE</del>	9AM	10PM
		5-18		OFFICE	1:30PM	5PM
<del>2513</del>	<del>SBA</del>	5-18		<del>INS BARGE</del>	<del>12PM</del>	<del>5:30PM</del>
TCO 2513	SBA	5-17	5 1/2	INS BARGE	12PM	5:30PM
TCO 3006	FREDEMAN	5-19	8 1/2	INS BARGE ON DRY DOCK	7:30AM	5PM
907301 2302	CRUMPLER	5-19	2 1/2	INS BARGES	5PM	7:30P
10 3001 3002	H TCO DOCK	5-20	6 1/2	INS BARGES	7:30AM	8:30AM
3006	FREDEMAN	5-23	3 1/2	PICK UP PUMP	7AM	10:30AM
15 3005	ACADIAN	5-23	5 1/2	INS BARGE	10:30AM	5PM
1	"	5-24	7 1/2	" "	6AM	1:30PM
TCO 2513	SBA	5-24	3 1/2	" "	1:30PM	5PM
2020	FREDEMAN	5-25	6	CHANGE PUMP HEAD	7:30	1:30P
TCO 2025	"	5-25	3	INS HOLE NO 1 STOP	1:30P	4:30
TCO 2516	BURTON	5-25	1	INS POINT	4:30PM	5:30PM
TCO 2025	FREDEMAN	5-26	2 1/2	AIR TEST	6:30AM	9AM
TCO 2517	SBA	5-26	2	INS BARGE	9AM	11AM
02515 3005	ACADIAN	5-26	4 1/2	INS BARGE	11AM	3:30PM
3008	T TCO DOCK	5-26	2 1/2	" "	3:30PM	6PM
<del>2513</del> 3008	"	5-27	7 1/2	INS BARGE	7AM	2:30PM
52019	FREDEMAN	5-27	2	INS HOLE NO 1 PORT	2:30PM	4:30P
		5-31	3	GOING TO GAL. STOPPED	9:30AM	11AM
1208	T TCO DOCK	5-31	7	TRAVEL TO NEW ORLEANS	11AM	6PM
008	"	6-1	4 1/2	INS BARGE	6:30AM	11AM
15 2515	ACADIAN	6-1	9 1/2	INS BARGE	11AM	8:30P
007	BURTON	6-2	1/2	DELIVER PARTS	1:30AM	7AM
006	FREDEMAN	6-2	2	" "	7AM	9AM
1517	SBA	6-2	4 1/2	INS BARGE	9AM	1:30P
	CRUMPLER	6-2	2 1/2	DELIVER PARTS	1:30PM	3PM
007	PALMER	6-2	1	INS BARGE	3PM	4PM
		6-3	6	OFFICE	8	3
		6-6	6-10	VACATION		
			8:15			
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## TIME SHEET

1994

TUG ARGE	LOCATION	DATE	HRS.	DISCRIPTION OF WORK	START	STOP
2010	PALMER	3-1	1	* INS BARGE	7Am	8Am
20324	HAYMAKER	3-1	6	INS BARGE	8Am	2Pm
Dm 264	PALMER	3-1	3	* INS BARGE	2Pm	5Pm
Dm 264	PALMER	3-2	1	" "	6:20Am	7:20Am
201 2302	HONSTON	3-2	6	" "	7:20Am	1:30Pm
Dm 264	VESSEL REPAIR	3-2	7	" "	1:30Pm	8:30Pm
11	" "	3-3	3	" "	6:30Am	9:20Am
514	GALVESTON	3-3	9	DELIVER ENGINE	9:20Am	6:20Pm
802	WYBATESIDE	3-4	7	MID PERIOD	6:30Am	1:30Pm
Dm 264	PALMER	3-4	5	* INS BARGE	1:30Pm	6:30Pm
201 2302	PALMER	3-5	8	* INS BARGE	8Am	11Am
2302	PALMER	3-5	1	* INS BARGE	5Pm	6Pm
2302	VESSEL REPAIR	3-6	7 1/2	INS BARGE	6:30Am	2Pm
2302	" "	3-7	1	" "	6:30Am	7:30Am
2514	GALVESTON	3-7	6	* AIR TEST	7:20Am	1:20Pm
22 3002	BALIVER	3-7	3 1/2	INS BARGE	1:20Pm	5Pm
2302	VESSEL REPAIR	3-7	1 1/2	AIR TEST	5Pm	6:30Pm
515+16	PALMER	3-7	1 1/2	INS BARGES	5Pm	10:30Pm
52511	FREDEMAN	3-8	8	AUDIO GAUGE	10Am	5Pm
		3-9	8	OFFICE	8	8
52511	FREDEMAN	3-10	8 1/2	AUDIO GAUGE	7:30Am	2Pm
514	GALVESTON	3-11	7 1/2	INS BARGE COI	6:30Am	2Pm
223 2024	TC	3-11	3	" "	2Pm	5Pm
I Hns	PORT REPAIR	3-11	1	" "	5Pm	6Pm
2TH	CRUMPLER	3-14	1	AUDIO GAUGE	6:30Am	7:20Am
511	LEEVAE	3-14	9 1/2	AUDIO GAUGE	7:30Am	5Pm
		3-15	10 1/2	OFFICE (HECKENBERG)	6:30Am	5Pm
13 + 2014	INTERCOASTAL	3-16	5	COI INSPECTION	7Am	1Pm
2511	LEEVAE	3-16	4	LAYOUT BARGE	1Pm	5Pm
		3-17	5	OFFICE	8Am	2Pm
2316 NMI 100	HAPPERRY	3-17	4	INS BARGE	2Pm	6Pm
2571	LEEVAE	3-18	7 1/2	INS BARGE	6:30Am	2Pm
		3-21	8	OFFICE	9Am	5Pm
		3-22	3	OFFICE	8Am	11Am
B JR	CRUMPLER	3-22	5	AUDIO GAUGE	11Am	12
		3-23	8	FUNERAL		
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## TIME SHEET

1994

TUG ARGE	LOCATION	DATE	HRS	DISCRIPTION OF WORK	START	STOP
2010	PALMER	2-7	3 1/2	INS. VALVES	7Am	10:30a
	PORTLAND	2-7	6 1/2	USCG OFFICE	10:30am	1:30P
ARK FLYNN	CRUMPLER S/S	2-8	6	AUIDO GAUGE	2Pm	3Pm
	PALMER	2-8	2	INSPECT WINDHOLE CLEATS	3Pm	5Pm
	ORANGE	2-9	8	OFFICE	8Am	5Pm
2010	FREDEMAN	2-10	8	GO OVER BILL	10:30A	2:30P
2010	PALMER	2-11	1 1/2	INS. STERN WIND	7:30am	9:00a
12 6D-m	HOTFOOT	2-11	4	INS. TOW	4:40m	1Pm
514	GALVESTON	2-11	5 1/2	INS. BARGE	1Pm	6:30P
1T 2015	CRUMPLER	2-12	1 1/2	INS BARGE	7:30Pm	9Pm
1T 2015	FREDEMAN	2-14	5	MID PERIOD	7Am	12Pm
1A	CRUMPLER S/S	2-14	1 1/2	AUIDO GAUGE	12Pm	1:30P
500 2201	PALMER	2-14	3 1/2	INS HOLE IN BARGE	1:30Pm	4Pm
1T 2020	VESSEL REPAIR	2-15	10 1/2	LAY OUT PLATE	7Am	3Pm
1T 2015	FREDEMAN S/S	2-15	3	AIR TEST	5:30Pm	8:30Pm
	ORANGE	2-16	8	HAS WATER SCHOOL	8Am	3Pm
		2-17	8	OFFICE		
		2-18	8	VACATION		
16 707	TEXAS CITY	2-19	3 1/2	EXION INS. BARGES	2Pm	5:30Pm
13 2014	11	2-19	1	INS. BARGES	5:30Pm	6:30P
17 2020	11	2-19	3 1/2	INS. BARGES	6:30Pm	10:00P
1026	CRUMPLER S/S	2-20	1HR	INS BARGE SEAL	11:30Pm	12:30A
		2-21	8	OFFICE		
3155-1 DEVAL	DEWOLFEE	2-22	2 1/2	DELIVER FILTERS	9Am	10:30A
2020	FREDEMAN S/S	2-22	3 1/2	MID PERIOD INSPECTION	11:30Am	2Pm
17 2015	BEULIER	2-22	10	PUMP WIND	2Pm	12mid
17 2015	11	2-23	1/2	PUMP WIND	12mid	12:30A
514	GALVESTON S/S	2-23	1	INS BARGE	8Am	9Am
017 2021	TEXAS CITY	2-23	3	" "	9Am	12:30am
514	GALVESTON S/S	2-23	6 1/2	" "	12:00am	6:30Pm
		2-24	8	OFFICE		
2021	FREDEMAN S/S	2-25	6 1/2	MID PERIOD INS.	7:30am	12:30P
JH 2512	CRUMPLER S/S	2-26	3	INS. BATT+BARGE	5Am	8Am
Dm 264	TC	2-28	4	INS. BARGE	7Am	11Am
2514	GALVESTON	2-28	6 1/2	AIR TEST	11Am	5:30P
		2-29				
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1993

TUG	LOCATION	DATE	HRS	DISCRIPTION OF WORK	START	ST.
FTCO 3006	ACADIAN	11-17	5	REPAIR HOLE <del>NO. 1</del>	4Pm	9Pm
11	11	11-18	13	11	6:20Am	7:20
11	11	11-19	16	11	6:30Am	10:30
5 TUG 1802	HICE DASH	11-22		INS BARGE	8Am	11:00
2015 TUG 3008	FREDEMAN	11		11 11	9Am	11:00
17 2016 Dm 264	FREDEMAN	11-22	10	WORKING ON BARGES	11Am	7Pm
		11-23	5	OFFICE	8Am	5Pm
511 Jack H. Co. 412	FREDEMAN	11-24	8	WORKING ON BOAT	11Am	6Pm
512	11	11-26	16 1/2	WORKING ON BARGE 2572 <del>DRY DOCK</del>	8Am	12:00
212	11	11-27	2 1/2	INS. BARGES	9:30Am	12:00
213 52512 217 6Dm 264	11	11-29	8	INS BARGE	9:30Am	3Pm
HTCO 2021	BRIDGE	11-30		<del>INS BARGE</del> DELIVER EST.	7Am	8:30P
1012 2572 6Dm 264	FREDEMAN	11-30	9	INS. BARGE	9:30Am	5Pm
52018	PALMER	12-1	*	INS. BARGE	7Am	9Am
512 2013 3010	FREDEMAN	12-1		WORKING ON BARGES	9Am	3Pm
		12-1	9	OFFICE	3Pm	5Pm
2018	BURTON	12-2		INS BARGE	7Am	8Am
017 2572 2010	FREDEMAN	12-2	13	WORKING ON BARGES	8Am	8Pm
		12-3	8	OFFICE	8Am	3Pm
3512 517 264	SURENT	12-6	15	INS BARGES	8Am	12:00
1017 205 3008	FREDEMAN	12-7	8	INS BARGES	8Am	3Pm
005 1302	11	12-8	8	INS BARGE	8Am	5Pm
2572 6Dm 264	SOUTH WEST	12-9	17 1/2	INS BARGE	6:30Am	10:15
11	11	12-10	1/2	INS BARGE	12:00	12:30
301 302	FREDEMAN	12-10	11	INS BARGE	9:00Am	8:30P
		12-13	8	OFFICE		
		12-14	8	OFFICE		
1720 2674	SRA	12-15		INS BARGE	10Am	5:30Pm
JTB	FREDEMAN	12-15	11	INS BOAT	3:30Pm	8Pm
CEB	<del>FREDEMAN</del>	12-16		<del>INS BARGE</del> STRIP BOAT	9Am	12:00
	ORANGE	12-16	8	INVENTORY	1Pm	5Pm
	ORANGE	12-17	8	INVENTORY	8Am	10:30Am
	ORANGE	12-18	8	OFFICE	10:30Am	3Pm
	11	12-20	8	INVENTORY	8Am	12:00Am
	11	12-20	9	OFFICE	1Pm	6Pm
	11	12-21		OFFICE	8Am	11Am
018 517	FREDEMAN	12-21	8 1/2	MIDPERIOD DAMAGE SURVEY	11Am	5:30Pm
ALS						

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General Headquarters West Coast Headquarters  
Pasadena, California 91102 Wilmington, Calif. 90748  
Philadelphia, Pa. 19106

BARGE 17003  
HTCO 2517

2 STAR. D

GAGE HEIGHT 15'-5 3/4"

NOTE: GAUGE POINT LOCATED 3'-0" OFF CENTERLINE BULKHEAD AND 2'-2" FORWARD OF AFT. BULKHEAD.  
NOTE: WHEN BARGE IS DOWN BY STERN SUBTRACT 7/8" FROM EACH INNAUGE GAUGE FOR EVERY ONE FOOT OF DRAG.  
NOTE: GAUGE TABLE APPLIES ONLY WHEN BARGE IS ON EVEN KEEL.

Table with 15 columns (0 to 14) and 28 rows. Each cell contains two values: a fractional gauge height (e.g., 0 1/4) and a corresponding capacity in U.S. gallons (e.g., 490.95). The fractional values increase from 0 at the top to 14 3/8 at the bottom. The capacity values generally decrease as the gauge height increases.

THIS CHART IS CERTIFIED FOR THE ABOVE NAILED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS



E. W. SAYBOLT & CO., INC.

Guif Coast Headquarters  
P.O. Box 4266  
Pasadena, Texas 77502

General Headquarters  
P.O. Box 1146  
400 Swanson Drive  
Kenilworth, N.J. 07033

Well Coast Headquarters  
P.O. Box 1146  
400 Swanson Drive  
Kenilworth, N.J. 07033

~~BARGE "7003"~~  
ATCO 2517

2 STAR.

GAGE HEIGHT 15'-5 1/4"

9		10		11		12		13		14		15		16		17	
IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT
0	1523.05	0	1695.07	0	1867.05	0	2038.12	0		0		0		0		0	
1/8	1526.64	1/8	1698.65	1/8	1870.63	1/8	2041.67	1/8		1/8		1/8		1/8		1/8	
1/4	1530.22	1/4	1702.24	1/4	1874.20	1/4	2045.22	1/4		1/4		1/4		1/4		1/4	
3/8	1533.80	3/8	1705.82	3/8	1877.77	3/8	2048.77	3/8		3/8		3/8		3/8		3/8	
1/2	1537.39	1/2	1709.40	1/2	1881.34	1/2	2052.32	1/2		1/2		1/2		1/2		1/2	
5/8	1540.97	5/8	1712.99	5/8	1884.91	5/8	2055.86	5/8		5/8		5/8		5/8		5/8	
3/4	1544.55	3/4	1716.57	3/4	1888.49	3/4	2059.41	3/4		3/4		3/4		3/4		3/4	
7/8	1548.14	7/8	1720.15	7/8	1892.06	7/8	2062.96	7/8		7/8		7/8		7/8		7/8	
0	1551.72	0	1723.74	0	1895.63	0	2066.51	0		0		0		0		0	
1/8	1555.30	1/8	1727.32	1/8	1899.20	1/8	2070.06	1/8		1/8		1/8		1/8		1/8	
1/4	1558.89	1/4	1730.91	1/4	1902.78	1/4	2073.60	1/4		1/4		1/4		1/4		1/4	
3/8	1562.47	3/8	1734.49	3/8	1906.35	3/8	2077.15	3/8		3/8		3/8		3/8		3/8	
1/2	1566.06	1/2	1738.07	1/2	1909.92	1/2	2080.70	1/2		1/2		1/2		1/2		1/2	
5/8	1569.64	5/8	1741.66	5/8	1913.49	5/8	2084.24	5/8		5/8		5/8		5/8		5/8	
3/4	1573.22	3/4	1745.24	3/4	1917.07	3/4	2087.79	3/4		3/4		3/4		3/4		3/4	
7/8	1576.81	7/8	1748.82	7/8	1920.64	7/8	2091.33	7/8		7/8		7/8		7/8		7/8	
0	1580.39	0	1752.41	0	1924.21	0	2094.88	0		0		0		0		0	
1/8	1583.97	1/8	1755.99	1/8	1927.78	1/8	2098.41	1/8		1/8		1/8		1/8		1/8	
1/4	1587.56	1/4	1759.58	1/4	1931.36	1/4	2101.95	1/4		1/4		1/4		1/4		1/4	
3/8	1591.14	3/8	1763.16	3/8	1934.93	3/8	2105.49	3/8		3/8		3/8		3/8		3/8	
1/2	1594.73	1/2	1766.74	1/2	1938.50	1/2	2109.04	1/2		1/2		1/2		1/2		1/2	
5/8	1598.31	5/8	1770.33	5/8	1942.07	5/8	2112.58	5/8		5/8		5/8		5/8		5/8	
3/4	1601.89	3/4	1773.91	3/4	1945.65	3/4	2116.12	3/4		3/4		3/4		3/4		3/4	
7/8	1605.48	7/8	1777.49	7/8	1949.22	7/8	2119.66	7/8		7/8		7/8		7/8		7/8	
0	1609.06	0	1781.08	0	1952.79	0	2123.20	0		0		0		0		0	
1/8	1612.64	1/8	1784.66	1/8	1956.36	1/8	2126.74	1/8		1/8		1/8		1/8		1/8	
1/4	1616.23	1/4	1788.25	1/4	1959.94	1/4	2130.28	1/4		1/4		1/4		1/4		1/4	
3/8	1619.81	3/8	1791.83	3/8	1963.51	3/8	2133.82	3/8		3/8		3/8		3/8		3/8	
1/2	1623.40	1/2	1795.41	1/2	1967.08	1/2	2137.36	1/2		1/2		1/2		1/2		1/2	
5/8	1626.98	5/8	1799.00	5/8	1970.65	5/8	2140.90	5/8		5/8		5/8		5/8		5/8	
3/4	1630.56	3/4	1802.58	3/4	1974.20	3/4	2144.44	3/4		3/4		3/4		3/4		3/4	
7/8	1634.15	7/8	1806.16	7/8	1977.75	7/8	2147.98	7/8		7/8		7/8		7/8		7/8	
0	1637.73	0	1809.75	0	1981.30	0	2151.52	0		0		0		0		0	
1/8	1641.31	1/8	1813.33	1/8	1984.86	1/8	2155.06	1/8		1/8		1/8		1/8		1/8	
1/4	1644.90	1/4	1816.91	1/4	1988.41	1/4	2158.60	1/4		1/4		1/4		1/4		1/4	
3/8	1648.48	3/8	1820.50	3/8	1991.96	3/8	2162.14	3/8		3/8		3/8		3/8		3/8	
1/2	1652.06	1/2	1824.08	1/2	1995.51	1/2	2165.68	1/2		1/2		1/2		1/2		1/2	
5/8	1655.65	5/8	1827.67	5/8	1999.06	5/8	2169.22	5/8		5/8		5/8		5/8		5/8	
3/4	1659.23	3/4	1831.25	3/4	2002.61	3/4	2172.76	3/4		3/4		3/4		3/4		3/4	
7/8	1662.82	7/8	1834.83	7/8	2006.16	7/8	2176.30	7/8		7/8		7/8		7/8		7/8	
0	1666.40	0	1838.42	0	2009.71	0	2179.84	0		0		0		0		0	
1/8	1669.98	1/8	1842.00	1/8	2013.26	1/8	2183.38	1/8		1/8		1/8		1/8		1/8	
1/4	1673.57	1/4	1845.58	1/4	2016.81	1/4	2186.92	1/4		1/4		1/4		1/4		1/4	
3/8	1677.15	3/8	1849.17	3/8	2020.36	3/8	2190.46	3/8		3/8		3/8		3/8		3/8	
1/2	1680.73	1/2	1852.75	1/2	2023.91	1/2	2194.00	1/2		1/2		1/2		1/2		1/2	
5/8	1684.32	5/8	1856.34	5/8	2027.46	5/8	2197.54	5/8		5/8		5/8		5/8		5/8	
3/4	1687.90	3/4	1859.91	3/4	2031.01	3/4	2201.08	3/4		3/4		3/4		3/4		3/4	
7/8	1691.49	7/8	1863.48	7/8	2034.56	7/8	2204.62	7/8		7/8		7/8		7/8		7/8	

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CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

E. W. SAYBOLT & CO., INC.

SHEET 8 OF 20 SHEETS

FORM 11

*E. E. Highland*





E. W. SAYBOLT & CO., INC.

FORMERLY BARGE "STCO-2016"

BARGE "S-2018"

1 STBD.  
INNAGE TABLE

NOTE: GAUGES TO BE TAKEN TO INSIDE LIP OF HATCH, OPPOSITE HINGE, 1/4" DOWN FROM TOP LIP.  
NOTE: GAUGE POINT LOCATED 1'-8" OFF CENTERLINE AND 1'-8" FORWARD OF AFT. BULKHEAD.

Oil Coat Measurements

General Measurements

Oil Coat Measurements  
P.O. Box 1146  
Washington, D.C. 20044

General Measurements  
No. 485  
802 Sweden Drive  
Washington, D.C. 20044

Oil Coat Measurements  
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IN.	GAUGE HEIGHT 14'-9 5/8"										
	0	1	2	3	4	5	6	7	8	9	
0	0	0	0	0	0	0	0	0	0	0	
1/4	0.28	0	81.10	227.45	0	620.86	0	1,058.73	0	1,496.60	0
1/2	0.57	1/4	83.72	230.90	1/4	625.42	1/4	1,063.29	1/4	1,501.16	1/4
3/4	1.07	1/2	85.40	234.37	1/2	629.98	1/2	1,067.85	1/2	1,505.72	1/2
1	1.47	3/4	89.07	237.85	3/4	634.54	3/4	1,072.42	3/4	1,510.28	3/4
1 1/4	1.86	1	91.75	241.33	1	639.10	1	1,076.98	1	1,514.84	1
1 1/2	2.44	1 1/4	94.46	244.84	1 1/4	643.66	1 1/4	1,081.54	1 1/4	1,519.40	1 1/4
1 3/4	3.21	1 1/2	97.22	248.37	1 1/2	648.22	1 1/2	1,086.10	1 1/2	1,523.96	1 1/2
2	3.97	2	99.97	251.91	2	652.78	2	1,090.66	2	1,528.53	2
2 1/4	5.74	2 1/4	102.73	255.45	2 1/4	657.35	2 1/4	1,095.22	2 1/4	1,533.09	2 1/4
2 1/2	5.65	1 1/4	105.52	259.01	1 1/4	661.91	1 1/4	1,099.78	1 1/4	1,537.65	1 1/4
2 3/4	6.73	1 1/2	108.35	262.60	1 1/2	666.47	1 1/2	1,104.34	1 1/2	1,542.21	1 1/2
3	7.90	3/4	111.17	266.20	3/4	671.03	3/4	1,108.90	3/4	1,546.77	3/4
3 1/4	8.87	3	114.00	269.79	3	675.59	3	1,113.47	3	1,551.33	3
3 1/2	10.07	1 1/4	116.87	273.41	1 1/4	680.15	1 1/4	1,118.03	1 1/4	1,555.89	1 1/4
3 3/4	11.40	1 1/2	119.72	277.06	1 1/2	684.71	1 1/2	1,122.59	1 1/2	1,560.45	1 1/2
4	12.72	2	122.67	280.71	2	689.27	2	1,127.15	2	1,565.01	2
4 1/4	14.05	4	125.57	284.36	4	693.83	4	1,131.71	4	1,569.58	4
4 1/2	15.48	1 1/4	128.50	288.04	1 1/4	698.39	1 1/4	1,136.27	1 1/4	1,574.14	1 1/4
4 3/4	17.02	1 1/2	131.47	291.75	1 1/2	702.96	1 1/2	1,140.83	1 1/2	1,578.70	1 1/2
5	18.56	3 1/4	134.44	295.45	3 1/4	707.52	3 1/4	1,145.39	3 1/4	1,583.26	3 1/4
5 1/4	20.10	5	137.40	299.16	5	712.08	5	1,149.95	5	1,587.82	5
5 1/2	21.73	1 1/4	140.40	302.90	1 1/4	716.64	1 1/4	1,154.52	1 1/4	1,592.38	1 1/4
5 3/4	23.46	1 1/2	143.43	306.66	1 1/2	721.20	1 1/2	1,159.08	1 1/2	1,596.94	1 1/2
6	25.18	3 1/4	146.47	310.43	3 1/4	725.76	3 1/4	1,163.64	3 1/4	1,601.50	3 1/4
6 1/4	26.91	6	149.50	314.20	6	730.32	6	1,168.20	6	1,606.06	6
6 1/2	28.73	1 1/4	152.56	318.00	1 1/4	734.88	1 1/4	1,172.76	1 1/4	1,610.62	1 1/4
6 3/4	30.64	1 1/2	155.63	321.83	1 1/2	739.44	1 1/2	1,177.32	1 1/2	1,615.18	1 1/2
7	32.55	3 1/4	158.75	325.65	3 1/4	744.01	3 1/4	1,181.88	3 1/4	1,619.74	3 1/4
7 1/4	34.46	7	161.85	329.48	7	748.57	7	1,186.44	7	1,624.30	7
7 1/2	36.47	1 1/4	164.97	333.34	1 1/4	753.13	1 1/4	1,191.00	1 1/4	1,628.87	1 1/4
7 3/4	38.56	1 1/2	168.13	337.22	1 1/2	757.69	1 1/2	1,195.56	1 1/2	1,633.43	1 1/2
8	40.66	3 1/4	171.29	341.11	3 1/4	762.25	3 1/4	1,200.13	3 1/4	1,637.99	3 1/4
8 1/4	42.76	8	174.45	344.99	8	766.81	8	1,204.69	8	1,642.55	8
8 1/2	44.93	1 1/4	177.65	348.90	1 1/4	771.37	1 1/4	1,209.25	1 1/4	1,647.11	1 1/4
8 3/4	47.17	1 1/2	180.87	352.84	1 1/2	775.94	1 1/2	1,213.81	1 1/2	1,651.67	1 1/2
9	51.66	9	187.32	356.78	9	780.50	9	1,218.37	9	1,656.23	9
9 1/4	53.96	1 1/4	190.57	360.72	1 1/4	785.06	1 1/4	1,222.93	1 1/4	1,660.79	1 1/4
9 1/2	56.32	1 1/2	193.86	364.69	1 1/2	789.62	1 1/2	1,227.49	1 1/2	1,665.36	1 1/2
9 3/4	58.68	3 1/4	197.15	368.68	3 1/4	794.18	3 1/4	1,232.05	3 1/4	1,669.92	3 1/4
10	61.04	10	200.44	372.67	10	798.74	10	1,236.61	10	1,674.48	10
10 1/4	63.45	1 1/4	203.76	376.67	1 1/4	803.30	1 1/4	1,241.18	1 1/4	1,679.04	1 1/4
10 1/2	65.92	1 1/2	207.11	380.69	1 1/2	807.87	1 1/2	1,245.74	1 1/2	1,683.60	1 1/2
10 3/4	68.39	3 1/4	210.47	384.74	3 1/4	812.43	3 1/4	1,250.30	3 1/4	1,688.16	3 1/4
11	70.86	11	213.82	388.79	11	816.99	11	1,254.86	11	1,692.72	11
11 1/4	73.36	1 1/4	217.20	392.84	1 1/4	821.55	1 1/4	1,259.42	1 1/4	1,697.28	1 1/4
11 1/2	75.95	1 1/2	220.62	396.91	1 1/2	826.11	1 1/2	1,263.98	1 1/2	1,701.85	1 1/2
11 3/4	78.53	3 1/4	224.03	401.02	3 1/4	830.67	3 1/4	1,268.54	3 1/4	1,706.41	3 1/4
						835.23		1,273.10		1,710.97	

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

SHEET 3 OF 16 SHEETS  
FORM 24 (REV. 1/78)

E. W. SAYBOLT & CO., INC.  
BY *Dale A. Brown*

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS  
NOTE: CAPACITY TABLE REISSUED IN INNAGE IN SEPTEMBER 1988.







FORMERLY BARGE "STCO-2016"  
BARGE "S-2018"

1 STBD.  
INNAGE TABLE

Gulf Coast Headquarters  
P. O. Box 1114  
Houston, Texas 77002

General Headquarters  
405 S. Main Street  
Newport, N. J. 07855

West Coast Headquarters  
P. O. Box 1114  
Washington, Calif. 90710

GAGE HEIGHT 14'-9 5/8"

IN.	10	11	12	13	14	15	16	17	18	19
FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.
0	1.934.51	0	2.153.12	0	2.371.43	0	0	0	0	0
1/4	1.939.07	1/4	2.157.66	1/4	2.375.90	1/4	1/4	1/4	1/4	1/4
1/2	1.943.63	1/2	2.162.19	1/2	2.380.33	1/2	1/2	1/2	1/2	1/2
3/4	1.948.19	3/4	2.166.73	3/4	2.384.76	3/4	3/4	3/4	3/4	3/4
1	1.952.76	1	2.171.26	1	2.389.19	1	1	1	1	1
1 1/4	1.957.32	1 1/4	2.175.80	1 1/4	2.393.38	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1.961.88	1 1/2	2.180.34	1 1/2	2.397.34	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1.966.44	1 3/4	2.184.87	1 3/4	2.401.29	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	1.971.01	2	2.189.41	2	2.405.24	2	2	2	2	2
2 1/4	1.975.57	2 1/4	2.193.94	2 1/4	2.408.72	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	1.980.13	2 1/2	2.198.48	2 1/2	2.411.73	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	1.984.69	2 3/4	2.203.02	2 3/4	2.414.74	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	1.989.25	3	2.207.56	3	2.417.75	3	3	3	3	3
3 1/4	1.993.82	3 1/4	2.212.10	3 1/4	2.420.25	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	1.998.38	3 1/2	2.216.65	3 1/2	2.422.25	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	2.002.94	3 3/4	2.221.20	3 3/4	2.424.24	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	2.007.50	4	2.225.74	4	2.426.23	4	4	4	4	4
4 1/4	2.012.07	4 1/4	2.230.30	4 1/4	2.427.74	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	2.016.63	4 1/2	2.234.86	4 1/2	2.428.77	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	2.021.19	4 3/4	2.239.43	4 3/4	2.429.80	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	2.025.75	5	2.243.99	5	2.430.82	5	5	5	5	5
5 1/4	2.030.32	5 1/4	2.248.56	5 1/4	2.431.57	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	2.034.88	5 1/2	2.253.12	5 1/2	2.432.04	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	2.039.44	5 3/4	2.257.68	5 3/4	2.432.28	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	2.044.00	6	2.262.25	6		6	6	6	6	6
6 1/4	2.048.56	6 1/4	2.266.81	6 1/4		6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	2.053.13	6 1/2	2.271.38	6 1/2		6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	2.057.69	6 3/4	2.275.94	6 3/4		6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	2.062.25	7	2.280.50	7		7	7	7	7	7
7 1/4	2.066.81	7 1/4	2.285.07	7 1/4		7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	2.071.38	7 1/2	2.289.63	7 1/2		7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	2.075.94	7 3/4	2.294.20	7 3/4		7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	2.080.50	8	2.298.76	8		8	8	8	8	8
8 1/4	2.085.05	8 1/4	2.303.32	8 1/4		8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	2.089.60	8 1/2	2.307.89	8 1/2		8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	2.094.15	8 3/4	2.312.45	8 3/4		8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	2.098.70	9	2.317.01	9		9	9	9	9	9
9 1/4	2.103.25	9 1/4	2.321.57	9 1/4		9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	2.107.78	9 1/2	2.326.11	9 1/2		9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	2.112.31	9 3/4	2.330.66	9 3/4		9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	2.116.85	10	2.335.21	10		10	10	10	10	10
10 1/4	2.121.38	10 1/4	2.339.75	10 1/4		10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	2.125.92	10 1/2	2.344.28	10 1/2		10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	2.130.45	10 3/4	2.348.80	10 3/4		10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	2.134.99	11	2.353.33	11		11	11	11	11	11
11 1/4	2.139.52	11 1/4	2.357.86	11 1/4		11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	2.144.05	11 1/2	2.362.38	11 1/2		11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	2.148.59	11 3/4	2.366.90	11 3/4		11 3/4	11 3/4	11 3/4	11 3/4	11 3/4

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY

SHEET 4 OF 16 SHEETS  
FORM PA (REV. 5/75)

E. W. SAYBOLT & CO., INC.  
"Dale A. Rose"





TANK GAUGE TABLE  
NO. 6 PORT OR STARBOARD

F

BARGE ATCo 2201

**W. W. SAYBOLT & CO.**  
SOLE IMPORTERS OF ALL GRADES OF PETROLEUM PRODUCTS  
BY THE NEW YORK PERMITS BOARD  
INSPECTORS OF PETROLEUM  
GENERAL HEADQUARTERS  
815 BAYVIEW

IN		0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	GAUGE HEIGHT		
IN	OUT														IN	OUT
0	33	0	6072	12102	18152	24202	30252	36302	42352	48402	54452	60502	66552	72602	0	11 FT
1/4	50	1/4	6329	13350	19400	25450	31500	37550	43600	49650	55700	61750	67800	73850	1/4	10 FT
1/2	121	1/2	6586	13649	19699	25749	31799	37849	43899	49949	55999	62049	68099	74149	1/2	9 FT
3/4	175	3/4	6843	13946	20096	26146	32196	38246	44296	50346	56396	62446	68496	74546	3/4	8 FT
1	229	1	6963	14249	20399	26449	32499	38549	44599	50649	56699	62749	68799	74849	1	7 FT
1 1/4	283	1 1/4	7112	14552	20702	26752	32802	38852	44902	50952	57002	63052	69102	75152	1 1/4	6 FT
1 1/2	337	1 1/2	7260	14855	21005	27055	33105	39155	45205	51255	57305	63355	69405	75455	1 1/2	5 FT
1 3/4	391	1 3/4	7408	15158	21308	27358	33408	39458	45508	51558	57608	63658	69708	75758	1 3/4	4 FT
2	445	2	7556	15461	21611	27661	33711	39761	45811	51861	57911	63961	70011	76061	2	3 FT
2 1/4	499	2 1/4	7704	15764	21914	27964	34014	40064	46114	52164	58214	64264	70314	76364	2 1/4	2 FT
2 1/2	553	2 1/2	7852	16067	22217	28267	34317	40367	46417	52467	58517	64567	70617	76667	2 1/2	1 FT
2 3/4	607	2 3/4	8000	16370	22520	28570	34620	40670	46720	52770	58820	64870	70920	76970	2 3/4	0 FT
3	661	3	8148	16673	22823	28873	34923	40973	47023	53073	59123	65173	71223	77273	3	
3 1/4	715	3 1/4	8296	16976	23126	29176	35226	41276	47326	53376	59426	65476	71526	77576	3 1/4	
3 1/2	769	3 1/2	8444	17279	23429	29479	35529	41579	47629	53679	59729	65779	71829	77879	3 1/2	
3 3/4	823	3 3/4	8592	17582	23732	29779	35829	41829	47879	53929	60029	66079	72129	78179	3 3/4	
4	877	4	8740	17885	24035	30079	36129	42179	48229	54279	60329	66379	72429	78479	4	
4 1/4	931	4 1/4	8888	18188	24338	30379	36429	42479	48529	54579	60629	66679	72729	78779	4 1/4	
4 1/2	985	4 1/2	9036	18491	24641	30679	36729	42779	48829	54879	60929	66979	73029	79079	4 1/2	
4 3/4	1039	4 3/4	9184	18794	24944	30979	37029	43079	49129	55179	61229	67279	73329	79379	4 3/4	
5	1093	5	9332	19097	25247	31279	37329	43379	49329	55379	61429	67479	73529	79579	5	
5 1/4	1147	5 1/4	9480	19400	25550	31579	37629	43679	49629	55679	61729	67779	73829	79879	5 1/4	
5 1/2	1201	5 1/2	9628	19703	25853	31879	37929	44029	50029	56079	62129	68179	74229	80279	5 1/2	
5 3/4	1255	5 3/4	9776	20006	26156	32179	38229	44379	50329	56379	62429	68479	74529	80579	5 3/4	
6	1309	6	9924	20309	26459	32479	38529	44679	50629	56679	62729	68779	74829	81079	6	
6 1/4	1363	6 1/4	10072	20612	26762	32779	38829	45029	50929	56979	63029	69079	75129	81579	6 1/4	
6 1/2	1417	6 1/2	10220	20915	27065	33079	39129	45379	51229	57279	63329	69379	75429	82079	6 1/2	
6 3/4	1471	6 3/4	10368	21218	27368	33379	39429	45729	51529	57579	63629	69679	75729	82579	6 3/4	
7	1525	7	10516	21521	27671	33679	39729	46079	51829	57879	63929	69979	76029	83079	7	
7 1/4	1579	7 1/4	10664	21824	27974	33979	40029	46429	52129	58179	64229	70279	76329	83579	7 1/4	
7 1/2	1633	7 1/2	10812	22127	28277	34279	40329	46779	52429	58479	64529	70579	76629	84079	7 1/2	
7 3/4	1687	7 3/4	10960	22430	28580	34579	40629	47129	52729	58779	64729	70829	76729	84579	7 3/4	
8	1741	8	11108	22733	28883	34879	40929	47479	53029	59079	65129	71179	77229	85079	8	
8 1/4	1795	8 1/4	11256	23036	29186	35179	41229	47829	53329	59379	65429	71479	77529	85579	8 1/4	
8 1/2	1849	8 1/2	11404	23339	29489	35479	41529	48179	53629	59679	65629	71679	77629	86079	8 1/2	
8 3/4	1903	8 3/4	11552	23642	29792	35779	41829	48529	53929	59979	65829	71829	77829	86579	8 3/4	
9	1957	9	11700	23945	30095	36079	42129	48879	54229	60279	66329	72379	77929	87079	9	
9 1/4	2011	9 1/4	11848	24248	30398	36379	42429	49229	54529	60579	66629	72629	78129	87579	9 1/4	
9 1/2	2065	9 1/2	11996	24551	30701	36679	42729	49579	54829	60879	66929	72929	78329	88079	9 1/2	
9 3/4	2119	9 3/4	12144	24854	31004	36979	43029	49929	55129	61179	67229	73229	78529	88579	9 3/4	
10	2173	10	12292	25157	31307	37279	43329	50279	55429	61479	67529	73529	78829	89079	10	
10 1/4	2227	10 1/4	12440	25460	31610	37579	43629	50629	55729	61779	67829	73829	79129	89579	10 1/4	
10 1/2	2281	10 1/2	12588	25763	31913	37879	43929	50979	56029	62079	68129	74129	79329	90079	10 1/2	
10 3/4	2335	10 3/4	12736	26066	32216	38179	44229	51329	56329	62379	68429	74429	79629	90579	10 3/4	
11	2389	11	12884	26369	32519	38479	44529	51679	56629	62679	68729	74729	79929	91079	11	
11 1/4	2443	11 1/4	13032	26672	32822	38779	44829	52029	56929	63029	69029	75029	80229	91579	11 1/4	
11 1/2	2497	11 1/2	13180	26975	33125	39079	45129	52379	57229	63379	69329	75329	80529	92079	11 1/2	
11 3/4	2551	11 3/4	13328	27278	33428	39379	45429	52729	57529	63679	69629	75629	80829	92579	11 3/4	
12	2605	12	13476	27581	33731	39679	45729	53079	57829	64029	70029	76029	81129	93079	12	

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

NOTE: INRAGE GAUGES TAKEN AT TANK FACE ON TOP OF EXPANSION DOME. DICES ARE NOT CENTERED AND HAVE MUST BE ON EVEN KEEL TO INSURE ACCURATE GAGING.

Inspected by: O.P.S. & J.S. MARCH 29, 1954  
Checked at: W.L.S. APRIL 22, 1954  
Checked by: J.H. McC. - 1954



W W SAYBOLT & COMPANY  
INCORPORATED  
100 WEST 17TH STREET  
NEW YORK 11, N.Y.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED VESSEL ONLY. NO OTHER VESSEL ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.



TANK GAUGE TABLE

NO. 6 PORT OR STARBOARD

BARGE HTW 2201

E. W. SAYBOLT & CO.

INSPECTORS OF PETROLEUM  
GENERAL HEADQUARTERS  
445 N. W. 10th St.  
MIAMI, FLA. 33136

IN		12 FT		13 FT		FT		FT		FT		FT		FT		FT		FT		FT		FT	
0	0	75637	0	75809	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	75641	1/4	75812	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	75645	1/2	75816	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	75648	3/4	75819	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	75652	1	75823	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1 1/4	1 1/4	75655	1 1/4	75827	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
1 1/2	1 1/2	75659	1 1/2	75830	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
1 3/4	1 3/4	75662	1 3/4	75834	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
2	2	75666	2	75837	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2 1/4	2 1/4	75670	2 1/4	75841	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4
2 1/2	2 1/2	75673	2 1/2	75844	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
2 3/4	2 3/4	75677	2 3/4	75848	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4	2 3/4
3	3	75680	3	75852	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 1/4	3 1/4	75684	3 1/4	75855	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4	3 1/4
3 1/2	3 1/2	75687	3 1/2	75859	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
3 3/4	3 3/4	75691	3 3/4	75862	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4
4	4	75695	4	75866	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 1/4	4 1/4	75698	4 1/4	75866	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4	4 1/4
4 1/2	4 1/2	75702	4 1/2	75866	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
4 3/4	4 3/4	75705	4 3/4	75866	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4
5	5	75709	5	75866	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5 1/4	5 1/4	75712	5 1/4	75866	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4
5 1/2	5 1/2	75715	5 1/2	75866	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2
5 3/4	5 3/4	75720	5 3/4	75866	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4	5 3/4
6	6	75723	6	75866	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 1/4	6 1/4	75727	6 1/4	75866	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4	6 1/4
6 1/2	6 1/2	75730	6 1/2	75866	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2
6 3/4	6 3/4	75734	6 3/4	75866	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4
7	7	75737	7	75866	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
7 1/4	7 1/4	75741	7 1/4	75866	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4	7 1/4
7 1/2	7 1/2	75744	7 1/2	75866	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
7 3/4	7 3/4	75748	7 3/4	75866	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4	7 3/4
8	8	75752	8	75866	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8 1/4	8 1/4	75755	8 1/4	75866	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4	8 1/4
8 1/2	8 1/2	75759	8 1/2	75866	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
8 3/4	8 3/4	75762	8 3/4	75866	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4	8 3/4
9	9	75766	9	75866	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9 1/4	9 1/4	75770	9 1/4	75866	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4	9 1/4
9 1/2	9 1/2	75773	9 1/2	75866	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2	9 1/2
9 3/4	9 3/4	75777	9 3/4	75866	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4	9 3/4
10	10	75780	10	75866	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 1/4	10 1/4	75784	10 1/4	75866	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4	10 1/4
10 1/2	10 1/2	75787	10 1/2	75866	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2
10 3/4	10 3/4	75791	10 3/4	75866	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4	10 3/4
11	11	75794	11	75866	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 1/4	11 1/4	75798	11 1/4	75866	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4	11 1/4
11 1/2	11 1/2	75802	11 1/2	75866	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2	11 1/2
11 3/4	11 3/4	75805	11 3/4	75866	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4	11 3/4

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

Strapped by - O.P.S. & J.S.  
COMPUTED BY - W.L.S.  
CHECKED BY - J.H.M.C.  
DATE MARCH 29, 1954  
DATE APRIL 28, 1954  
" 1954

NOTE: INMAGE GAGES TAKEN AT GAGE HATCH ON TOP OF EXPANSION DOME. DOME ARE NOT CALIBRATED AND BARRE MUST BE ON EVEN KEEL TO INSURE ACCURATE GAGING.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED VESSEL ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.



E W SAYBOLT & COMPANY  
INSPECTOR OF PETROLEUM  
APPROVED BY NEW YORK PRODUCT EXCHANGE









**BARGE "HTCO-2010"**  
NOTE: FORMERLY BARGE "STCO - 204"

**K 2 PORT INNAUGE TABLE**

NOTE: GAUGE POINT LOCATED 31" OFF CENTERLINE BUTHEAD, AND 21" 0" FROM AFT BULKHEAD.

0		1		2		3		4		5		6		7		8		9	
IN.		FT. IN.		FT. IN.		FT. IN.		FT. IN.		FT. IN.		FT. IN.		FT. IN.		FT. IN.		FT. IN.	
0	0.64	0	121.26	0	309.03	0	523.37	0	738.10	0	952.82	0	1,167.55	0	1,382.28	0	1,597.01	0	1,811.74
1/4	0.96	1/4	124.63	1/4	313.48	1/4	527.84	1/4	742.57	1/4	957.30	1/4	1,172.03	1/4	1,386.75	1/4	1,601.48	1/4	1,816.21
1/2	1.28	1/2	128.00	1/2	317.94	1/2	532.32	1/2	747.04	1/2	961.77	1/2	1,176.50	1/2	1,391.23	1/2	1,605.96	1/2	1,820.68
3/4	2.24	3/4	131.47	3/4	322.39	3/4	536.79	3/4	751.52	3/4	966.24	3/4	1,180.97	3/4	1,395.70	3/4	1,610.43	3/4	1,825.16
1	3.20	1	134.94	1	326.84	1	541.26	1	755.99	1	970.72	1	1,185.45	1	1,400.17	1	1,614.90	1	1,829.63
1 1/4	4.16	1 1/4	138.41	1 1/4	331.30	1 1/4	545.74	1 1/4	760.46	1 1/4	975.19	1 1/4	1,189.92	1 1/4	1,404.65	1 1/4	1,619.38	1 1/4	1,834.10
1 1/2	5.12	1 1/2	141.88	1 1/2	335.75	1 1/2	550.21	1 1/2	764.94	1 1/2	979.67	1 1/2	1,194.39	1 1/2	1,409.12	1 1/2	1,623.85	1 1/2	1,838.58
1 3/4	6.72	1 3/4	145.44	1 3/4	340.21	1 3/4	554.68	1 3/4	769.41	1 3/4	984.14	1 3/4	1,198.87	1 3/4	1,413.59	1 3/4	1,628.32	1 3/4	1,843.05
2	8.32	2	149.00	2	344.66	2	559.16	2	773.88	2	988.61	2	1,203.34	2	1,418.07	2	1,632.80	2	1,847.52
2 1/4	9.92	2 1/4	152.56	2 1/4	349.12	2 1/4	563.63	2 1/4	778.36	2 1/4	993.09	2 1/4	1,207.81	2 1/4	1,422.54	2 1/4	1,637.27	2 1/4	1,852.00
2 1/2	11.52	2 1/2	156.12	2 1/2	353.57	2 1/2	568.10	2 1/2	782.83	2 1/2	997.56	2 1/2	1,212.29	2 1/2	1,427.02	2 1/2	1,641.74	2 1/2	1,856.47
2 3/4	13.76	2 3/4	159.76	2 3/4	358.02	2 3/4	572.58	2 3/4	787.30	2 3/4	1,002.03	2 3/4	1,216.76	2 3/4	1,431.51	2 3/4	1,646.22	2 3/4	1,860.94
3	16.00	3	163.40	3	362.48	3	577.05	3	791.78	3	1,006.51	3	1,221.23	3	1,435.96	3	1,650.69	3	1,865.42
3 1/4	18.24	3 1/4	167.04	3 1/4	366.93	3 1/4	581.52	3 1/4	796.25	3 1/4	1,010.98	3 1/4	1,225.71	3 1/4	1,440.44	3 1/4	1,655.16	3 1/4	1,869.89
3 1/2	20.48	3 1/2	170.68	3 1/2	371.39	3 1/2	586.00	3 1/2	800.73	3 1/2	1,015.45	3 1/2	1,230.18	3 1/2	1,444.91	3 1/2	1,659.64	3 1/2	1,874.37
3 3/4	23.10	3 3/4	174.41	3 3/4	375.84	3 3/4	590.47	3 3/4	805.20	3 3/4	1,019.93	3 3/4	1,234.65	3 3/4	1,449.38	3 3/4	1,664.11	3 3/4	1,878.84
4	25.72	4	178.14	4	380.29	4	594.94	4	809.67	4	1,024.40	4	1,239.13	4	1,453.86	4	1,668.58	4	1,883.31
4 1/4	28.34	4 1/4	181.87	4 1/4	384.75	4 1/4	599.42	4 1/4	814.15	4 1/4	1,028.87	4 1/4	1,243.60	4 1/4	1,458.33	4 1/4	1,673.06	4 1/4	1,887.79
4 1/2	30.96	4 1/2	185.60	4 1/2	389.20	4 1/2	603.89	4 1/2	818.62	4 1/2	1,033.35	4 1/2	1,248.08	4 1/2	1,462.80	4 1/2	1,677.53	4 1/2	1,892.26
4 3/4	33.67	4 3/4	189.42	4 3/4	393.66	4 3/4	608.36	4 3/4	823.09	4 3/4	1,037.82	4 3/4	1,252.55	4 3/4	1,467.28	4 3/4	1,682.00	4 3/4	1,896.73
5	36.38	5	193.24	5	398.11	5	612.84	5	827.57	5	1,042.29	5	1,257.02	5	1,471.75	5	1,686.48	5	1,901.21
5 1/4	39.09	5 1/4	197.06	5 1/4	402.58	5 1/4	617.31	5 1/4	832.04	5 1/4	1,046.77	5 1/4	1,261.50	5 1/4	1,476.22	5 1/4	1,690.95	5 1/4	1,905.68
5 1/2	41.80	5 1/2	200.88	5 1/2	407.05	5 1/2	621.79	5 1/2	836.51	5 1/2	1,051.24	5 1/2	1,265.97	5 1/2	1,480.70	5 1/2	1,695.43	5 1/2	1,910.15
5 3/4	44.51	5 3/4	204.79	5 3/4	411.53	5 3/4	626.26	5 3/4	840.99	5 3/4	1,055.71	5 3/4	1,270.44	5 3/4	1,485.17	5 3/4	1,699.90	5 3/4	1,914.63
6	47.42	6	208.70	6	416.00	6	630.73	6	845.46	6	1,060.19	6	1,274.92	6	1,489.64	6	1,704.37	6	1,919.10
6 1/4	50.23	6 1/4	212.61	6 1/4	420.48	6 1/4	635.21	6 1/4	849.93	6 1/4	1,064.66	6 1/4	1,279.39	6 1/4	1,494.12	6 1/4	1,708.85	6 1/4	1,923.57
6 1/2	53.04	6 1/2	216.52	6 1/2	424.95	6 1/2	639.68	6 1/2	854.41	6 1/2	1,069.14	6 1/2	1,283.86	6 1/2	1,498.59	6 1/2	1,713.32	6 1/2	1,928.05
6 3/4	55.93	6 3/4	220.52	6 3/4	429.42	6 3/4	644.15	6 3/4	858.88	6 3/4	1,073.61	6 3/4	1,288.34	6 3/4	1,503.06	6 3/4	1,717.79	6 3/4	1,932.52
7	58.82	7	224.52	7	433.90	7	648.63	7	863.35	7	1,078.08	7	1,292.81	7	1,507.54	7	1,722.27	7	1,937.00
7 1/4	61.71	7 1/4	228.52	7 1/4	438.37	7 1/4	653.10	7 1/4	867.83	7 1/4	1,082.56	7 1/4	1,297.28	7 1/4	1,512.01	7 1/4	1,726.74	7 1/4	1,941.47
7 1/2	64.60	7 1/2	232.52	7 1/2	442.85	7 1/2	657.57	7 1/2	872.30	7 1/2	1,087.03	7 1/2	1,301.76	7 1/2	1,516.49	7 1/2	1,731.21	7 1/2	1,945.94
7 3/4	67.58	7 3/4	236.61	7 3/4	447.32	7 3/4	662.05	7 3/4	876.77	7 3/4	1,091.50	7 3/4	1,306.23	7 3/4	1,520.96	7 3/4	1,735.69	7 3/4	1,950.41
8	70.56	8	240.70	8	451.79	8	666.52	8	881.25	8	1,095.98	8	1,310.70	8	1,525.43	8	1,740.16	8	1,954.89
8 1/4	73.54	8 1/4	244.79	8 1/4	456.27	8 1/4	670.99	8 1/4	885.72	8 1/4	1,100.45	8 1/4	1,315.18	8 1/4	1,529.91	8 1/4	1,744.63	8 1/4	1,959.36
8 1/2	76.52	8 1/2	248.88	8 1/2	460.74	8 1/2	675.47	8 1/2	890.20	8 1/2	1,104.92	8 1/2	1,319.65	8 1/2	1,534.38	8 1/2	1,749.11	8 1/2	1,963.84
8 3/4	79.59	8 3/4	253.06	8 3/4	465.21	8 3/4	679.94	8 3/4	894.67	8 3/4	1,109.40	8 3/4	1,324.12	8 3/4	1,538.85	8 3/4	1,753.58	8 3/4	1,968.31
9	82.66	9	257.24	9	469.69	9	684.41	9	899.14	9	1,113.87	9	1,328.60	9	1,543.33	9	1,758.05	9	1,972.78
9 1/4	85.73	9 1/4	261.42	9 1/4	474.16	9 1/4	688.89	9 1/4	903.62	9 1/4	1,118.34	9 1/4	1,333.07	9 1/4	1,547.80	9 1/4	1,762.53	9 1/4	1,977.26
9 1/2	88.80	9 1/2	265.60	9 1/2	478.63	9 1/2	693.36	9 1/2	908.09	9 1/2	1,122.82	9 1/2	1,337.55	9 1/2	1,552.27	9 1/2	1,767.00	9 1/2	1,981.73
9 3/4	91.97	9 3/4	269.87	9 3/4	483.11	9 3/4	697.83	9 3/4	912.56	9 3/4	1,127.29	9 3/4	1,342.02	9 3/4	1,556.75	9 3/4	1,771.47	9 3/4	1,986.20
10	95.14	10	274.14	10	487.58	10	702.31	10	917.04	10	1,131.76	10	1,346.49	10	1,561.22	10	1,775.95	10	1,990.68
10 1/4	98.31	10 1/4	278.41	10 1/4	492.05	10 1/4	706.78	10 1/4	921.51	10 1/4	1,136.24	10 1/4	1,350.97	10 1/4	1,565.69	10 1/4	1,780.42	10 1/4	1,995.15
10 1/2	101.48	10 1/2	282.68	10 1/2	496.53	10 1/2	711.26	10 1/2	925.98	10 1/2	1,140.71	10 1/2	1,355.44	10 1/2	1,570.17	10 1/2	1,784.90	10 1/2	1,999.62
10 3/4	104.74	10 3/4	287.04	10 3/4	501.00	10 3/4	715.73	10 3/4	930.46	10 3/4	1,145.18	10 3/4	1,359.91	10 3/4	1,574.64	10 3/4	1,789.37	10 3/4	2,004.10
11	108.00	11	291.40	11	505.47	11	720.20	11	934.93	11	1,149.66	11	1,364.39	11	1,579.11	11	1,793.84	11	2,008.57
11 1/4	111.26	11 1/4	295.76	11 1/4	509.95	11 1/4	724.68	11 1/4	939.40	11 1/4	1,154.13	11 1/4	1,368.86	11 1/4	1,583.59	11 1/4	1,798.32	11 1/4	2,013.04
11 1/2	114.52	11 1/2	300.12	11 1/2	514.42	11 1/2	729.15	11 1/2	943.88	11 1/2	1,158.61	11 1/2	1,373.33	11 1/2	1,588.06	11 1/2	1,802.79	11 1/2	2,017.52
11 3/4	117.89	11 3/4	304.57	11 3/4	518.89	11 3/4	733.62	11 3/4	948.35	11 3/4	1,163.08	11 3/4	1,377.81	11 3/4	1,592.53	11 3/4	1,807.26	11 3/4	2,021.99

CAPACITIES GIVEN IN BARRELS OF 42 U. S. GALLONS.

NOTE: TABLES CONVERTED FROM ULLAGE TO INNAUGE NOVEMBER 10, 1988.  
NOTE: TABLE STOPS AT JUNCTION OF CENTERLINE AND DECK.  
NOTE: EXPANSION TRUNK CAPACITY = .14 BARRELS PER 1".  
NOTE: TABLES APPLY ONLY WHEN BARGE IS ON AN EVEN KEEL.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

E. W. SAYBOLT & CO., INC.

BY *Dale A. Patten*



**E. W. SAYBOLT & CO., INC.**

General Headquarters  
P.O. Box 4381  
Pasadena, Texas 77802

West Coast Headquarters  
P.O. Box 1118  
Wilmington, Calif. 90718

# BARGE "HTCO-2010" 2 PORT INNAGE TABLE

NOTE: FORMERLY BARGE "STCO - 204".

IN.	GAGE HEIGHT 14'-9 1/4"																	
	10	11	12	13	14	15	16	17	18	19								
	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.
0	2,026.46	0	2,240.66	0	2,386.36	0	2,527.66	0	2,665.66	0	2,800.36	0	2,931.66	0	3,060.36	0	3,183.66	0
1/4	2,030.94	1/4	2,245.10	1/4	2,391.28	1/4	2,532.58	1/4	2,670.58	1/4	2,805.28	1/4	2,936.58	1/4	3,065.28	1/4	3,188.58	1/4
1/2	2,035.41	1/2	2,249.55	1/2	2,395.73	1/2	2,536.81	1/2	2,674.81	1/2	2,809.51	1/2	2,940.81	1/2	3,069.51	1/2	3,193.81	1/2
3/4	2,039.88	3/4	2,254.00	3/4	2,399.90	3/4	2,541.84	3/4	2,678.84	3/4	2,813.54	3/4	2,945.84	3/4	3,073.54	3/4	3,198.84	3/4
1	2,044.36	1	2,258.44	1	2,389.85	1	2,389.85	1	2,389.85	1	2,389.85	1	2,389.85	1	2,389.85	1	2,389.85	1
1/4	2,048.83	1/4	2,262.89	1/4	2,393.40	1/4	2,393.40	1/4	2,393.40	1/4	2,393.40	1/4	2,393.40	1/4	2,393.40	1/4	2,393.40	1/4
1/2	2,053.29	1/2	2,267.34	1/2	2,397.91	1/2	2,397.91	1/2	2,397.91	1/2	2,397.91	1/2	2,397.91	1/2	2,397.91	1/2	2,397.91	1/2
3/4	2,057.76	3/4	2,271.78	3/4	2,402.42	3/4	2,402.42	3/4	2,402.42	3/4	2,402.42	3/4	2,402.42	3/4	2,402.42	3/4	2,402.42	3/4
1	2,062.23	1	2,276.23	1	2,406.93	1	2,406.93	1	2,406.93	1	2,406.93	1	2,406.93	1	2,406.93	1	2,406.93	1
1/4	2,066.69	1/4	2,280.67	1/4	2,411.44	1/4	2,411.44	1/4	2,411.44	1/4	2,411.44	1/4	2,411.44	1/4	2,411.44	1/4	2,411.44	1/4
1/2	2,071.16	1/2	2,285.12	1/2	2,415.95	1/2	2,415.95	1/2	2,415.95	1/2	2,415.95	1/2	2,415.95	1/2	2,415.95	1/2	2,415.95	1/2
3/4	2,075.63	3/4	2,289.36	3/4	2,420.46	3/4	2,420.46	3/4	2,420.46	3/4	2,420.46	3/4	2,420.46	3/4	2,420.46	3/4	2,420.46	3/4
1	2,080.09	1	2,293.60	1	2,424.97	1	2,424.97	1	2,424.97	1	2,424.97	1	2,424.97	1	2,424.97	1	2,424.97	1
1/4	2,084.56	1/4	2,297.84	1/4	2,429.48	1/4	2,429.48	1/4	2,429.48	1/4	2,429.48	1/4	2,429.48	1/4	2,429.48	1/4	2,429.48	1/4
1/2	2,089.03	1/2	2,302.08	1/2	2,433.99	1/2	2,433.99	1/2	2,433.99	1/2	2,433.99	1/2	2,433.99	1/2	2,433.99	1/2	2,433.99	1/2
3/4	2,093.50	3/4	2,306.94	3/4	2,438.50	3/4	2,438.50	3/4	2,438.50	3/4	2,438.50	3/4	2,438.50	3/4	2,438.50	3/4	2,438.50	3/4
1	2,097.96	1	2,310.80	1	2,443.01	1	2,443.01	1	2,443.01	1	2,443.01	1	2,443.01	1	2,443.01	1	2,443.01	1
1/4	2,102.43	1/4	2,313.66	1/4	2,447.52	1/4	2,447.52	1/4	2,447.52	1/4	2,447.52	1/4	2,447.52	1/4	2,447.52	1/4	2,447.52	1/4
1/2	2,106.90	1/2	2,317.52	1/2	2,452.03	1/2	2,452.03	1/2	2,452.03	1/2	2,452.03	1/2	2,452.03	1/2	2,452.03	1/2	2,452.03	1/2
3/4	2,111.36	3/4	2,321.03	3/4	2,456.54	3/4	2,456.54	3/4	2,456.54	3/4	2,456.54	3/4	2,456.54	3/4	2,456.54	3/4	2,456.54	3/4
1	2,115.83	1	2,324.54	1	2,461.05	1	2,461.05	1	2,461.05	1	2,461.05	1	2,461.05	1	2,461.05	1	2,461.05	1
1/4	2,120.30	1/4	2,328.05	1/4	2,465.56	1/4	2,465.56	1/4	2,465.56	1/4	2,465.56	1/4	2,465.56	1/4	2,465.56	1/4	2,465.56	1/4
1/2	2,124.76	1/2	2,331.56	1/2	2,470.07	1/2	2,470.07	1/2	2,470.07	1/2	2,470.07	1/2	2,470.07	1/2	2,470.07	1/2	2,470.07	1/2
3/4	2,129.23	3/4	2,334.68	3/4	2,474.58	3/4	2,474.58	3/4	2,474.58	3/4	2,474.58	3/4	2,474.58	3/4	2,474.58	3/4	2,474.58	3/4
1	2,133.70	1	2,337.60	1	2,479.09	1	2,479.09	1	2,479.09	1	2,479.09	1	2,479.09	1	2,479.09	1	2,479.09	1
1/4	2,138.17	1/4	2,340.92	1/4	2,483.60	1/4	2,483.60	1/4	2,483.60	1/4	2,483.60	1/4	2,483.60	1/4	2,483.60	1/4	2,483.60	1/4
1/2	2,142.63	1/2	2,344.04	1/2	2,488.11	1/2	2,488.11	1/2	2,488.11	1/2	2,488.11	1/2	2,488.11	1/2	2,488.11	1/2	2,488.11	1/2
3/4	2,147.10	3/4	2,346.80	3/4	2,492.62	3/4	2,492.62	3/4	2,492.62	3/4	2,492.62	3/4	2,492.62	3/4	2,492.62	3/4	2,492.62	3/4
1	2,151.57	1	2,349.56	1	2,497.13	1	2,497.13	1	2,497.13	1	2,497.13	1	2,497.13	1	2,497.13	1	2,497.13	1
1/4	2,156.03	1/4	2,352.32	1/4	2,501.64	1/4	2,501.64	1/4	2,501.64	1/4	2,501.64	1/4	2,501.64	1/4	2,501.64	1/4	2,501.64	1/4
1/2	2,160.50	1/2	2,355.08	1/2	2,506.15	1/2	2,506.15	1/2	2,506.15	1/2	2,506.15	1/2	2,506.15	1/2	2,506.15	1/2	2,506.15	1/2
3/4	2,164.97	3/4	2,357.47	3/4	2,510.66	3/4	2,510.66	3/4	2,510.66	3/4	2,510.66	3/4	2,510.66	3/4	2,510.66	3/4	2,510.66	3/4
1	2,169.43	1	2,359.85	1	2,515.17	1	2,515.17	1	2,515.17	1	2,515.17	1	2,515.17	1	2,515.17	1	2,515.17	1
1/4	2,173.90	1/4	2,362.25	1/4	2,519.68	1/4	2,519.68	1/4	2,519.68	1/4	2,519.68	1/4	2,519.68	1/4	2,519.68	1/4	2,519.68	1/4
1/2	2,178.37	1/2	2,364.64	1/2	2,524.19	1/2	2,524.19	1/2	2,524.19	1/2	2,524.19	1/2	2,524.19	1/2	2,524.19	1/2	2,524.19	1/2
3/4	2,182.84	3/4	2,366.65	3/4	2,528.70	3/4	2,528.70	3/4	2,528.70	3/4	2,528.70	3/4	2,528.70	3/4	2,528.70	3/4	2,528.70	3/4
1	2,187.30	1	2,368.68	1	2,533.21	1	2,533.21	1	2,533.21	1	2,533.21	1	2,533.21	1	2,533.21	1	2,533.21	1
1/4	2,191.75	1/4	2,370.70	1/4	2,537.72	1/4	2,537.72	1/4	2,537.72	1/4	2,537.72	1/4	2,537.72	1/4	2,537.72	1/4	2,537.72	1/4
1/2	2,196.19	1/2	2,372.72	1/2	2,542.23	1/2	2,542.23	1/2	2,542.23	1/2	2,542.23	1/2	2,542.23	1/2	2,542.23	1/2	2,542.23	1/2
3/4	2,200.64	3/4	2,374.38	3/4	2,546.74	3/4	2,546.74	3/4	2,546.74	3/4	2,546.74	3/4	2,546.74	3/4	2,546.74	3/4	2,546.74	3/4
1	2,205.09	1	2,376.04	1	2,551.25	1	2,551.25	1	2,551.25	1	2,551.25	1	2,551.25	1	2,551.25	1	2,551.25	1
1/4	2,209.53	1/4	2,377.70	1/4	2,555.76	1/4	2,555.76	1/4	2,555.76	1/4	2,555.76	1/4	2,555.76	1/4	2,555.76	1/4	2,555.76	1/4
1/2	2,213.98	1/2	2,379.36	1/2	2,560.27	1/2	2,560.27	1/2	2,560.27	1/2	2,560.27	1/2	2,560.27	1/2	2,560.27	1/2	2,560.27	1/2
3/4	2,218.43	3/4	2,380.65	3/4	2,564.78	3/4	2,564.78	3/4	2,564.78	3/4	2,564.78	3/4	2,564.78	3/4	2,564.78	3/4	2,564.78	3/4
1	2,222.87	1	2,381.94	1	2,569.29	1	2,569.29	1	2,569.29	1	2,569.29	1	2,569.29	1	2,569.29	1	2,569.29	1
1/4	2,227.32	1/4	2,383.23	1/4	2,573.80	1/4	2,573.80	1/4	2,573.80	1/4	2,573.80	1/4	2,573.80	1/4	2,573.80	1/4	2,573.80	1/4
1/2	2,231.77	1/2	2,384.52	1/2	2,578.31	1/2	2,578.31	1/2	2,578.31	1/2	2,578.31	1/2	2,578.31	1/2	2,578.31	1/2	2,578.31	1/2
3/4	2,236.21	3/4	2,385.44	3/4	2,582.82	3/4	2,582.82	3/4	2,582.82	3/4	2,582.82	3/4	2,582.82	3/4	2,582.82	3/4	2,582.82	3/4

CAPACITIES GIVEN IN BARRELS OF 42 U. S. GALLONS.

SHEET 6 OF 20 SHEETS  
FORM SA-CHEV 8173.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED TANK ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY.

E. W. SAYBOLT & CO., INC.

*D. A. Brown*





TANK GAUGE TABLE

BARGE "HTCo 2302"

1 STAR.

GAUGE HEIGHT 13'-7 1/2"

E. W. SAYBOLT & CO., INC.  
 JOE H. HIGGINS, JR., PRESIDENT  
 THE NEW YORK PRODUCER EXCHANGE  
 INSPECTORS OF PETROLEUM

IN	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	12 FT	13 FT
0	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
1	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
2	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
3	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
4	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
5	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
6	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
8	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
9	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
10	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
11	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
12	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
13	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
14	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
15	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
16	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
17	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
18	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
19	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
20	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
21	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
22	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
23	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
24	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
25	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
26	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
27	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
28	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
29	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
30	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
31	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
32	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
33	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
34	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
35	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
36	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
37	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
38	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
39	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
40	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
41	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
42	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
43	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
44	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
45	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
46	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
47	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
48	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
49	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7
50	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7	22591.7

TABLE STOPS AT JUNCTION OF CENTERLINE AND DECK.  
 EXPANSION TRUNK CAPACITY 6 3/4" x 27 3/8" S.S.

TABLES APPLY ONLY WHEN BARGE IS ON EVEN KEEL.  
 WHEN BARGE IS DOWN BY STERN, H.S.D.

INCHES TO ULLAGE TABLE GAUGE FOR EACH FOOT OF DRAG.

ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

SHEET 2 OF 10 SHEETS

FORM 71

E. W. SAYBOLT & CO., INC.

BY J.S. [Signature]

REGISTERED PROFESSIONAL ENGINEER



