



United States of America
Department of Homeland Security
United States Coast Guard

Certification Date: 29 Nov 2022

Expiration Date: 29 Nov 2027

Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

Vessel Name	Official Number	IMO Number	Call Sign	Service
CCL 2	510107			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
NEW ORLEANS, LA	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN	15Dec1967		R-855	R-855		R-195.0
UNITED STATES			I-	I-		I-0

Owner	Operator
BROOKE BANTA LLC 1237 HIGHWAY 75 SUNSHINE, LA 70780 UNITED STATES	CHEM CARRIERS LLC 1237 HWY 75, SUNSHINE, LA 70780 UNITED STATES

This vessel must be manned with the following licensed and unlicensed Personnel. Included in which there must be 0 Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators.

0 Masters	0 Licensed Mates	0 Chief Engineers	0 Oilers
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	
0 Second Mates	0 Radio Officers	0 Second Assistant Engineers	
0 Third Mates	0 Able Seamen	0 Third Assistant Engineers	
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Engineers	
0 Mate First Class Pilots	0 Deckhands	0 Qualified Member Engineer	

In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Total Persons allowed: 0

Route Permitted And Conditions Of Operation:
---Lakes, Bays, and Sounds---

Also, in fair weather only, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida.

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR Table 31.10-21(b); if this vessel is operated in salt water more than six (6) months in any twelve (12) month period, the vessel must be inspected using salt water intervals and the cognizant OCMI notified in writing as soon as this change in status occurs.

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at New Orleans, LA, UNITED STATES, the Officer in Charge, Marine Inspection, Sector New Orleans certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

Annual/Periodic/Re-Inspection				This certificate issued by: J. H. HART COMMANDER , by direction Officer in Charge, Marine Inspection Sector New Orleans Inspection Zone
Date	Zone	A/P/R	Signature	
10 Jan 24	BATU	A	[Signature]	
05 Feb 25	BATU	A	[Signature]	
3 Mar 26	BATU	P	[Signature]	



Certificate of Inspection

Vessel Name: CCL 2

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Oct2032	07Oct2022	07Apr2017
Internal Structure	30Jun2027	07Oct2022	26Jun2017

--- Liquid/Gas/Solid Cargo Authority/Conditions ---

Authorization: SPECIFIED HAZARDOUS CARGOES.

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10931	Barrels		Yes	No	No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1 C/L	729	13.50
2 C/L	611	13.50
3 C/L	685	13.50

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	1631	10ft 2in	13.50	Lakes, Bays, and Sounds
III	1648	10ft 3in	12.75	Lakes, Bays, and Sounds
III	1684	10ft 5in	8.75	Lakes, Bays, and Sounds
III	1807	11ft 0in	13.50	Rivers

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial C2-0201372, dated May 21, 2002 and then only in the tanks indicated.

Per 46 CFR 150.130, the Person in Charge of the vessel is responsible for ensuring that the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using figures, tables and appendices of 46 CFR 150 in conjunction with the compatibility group numbers from the "COMPAT GRP" column listed in the vessel's CAA.

Benzene Prohibition

Vessel not authorized to carry Benzene or Benzene containing cargoes with a Benzene concentration of 0.5% or more.

Oil Prohibition - No Vessel Response Plan

This vessel is prohibited from carrying those cargoes that are considered "oil" for the purposes of the Federal Water Pollution Control Act as amended by the Oil Pollution Act of 1990 which requires a vessel response plan in accordance with 33 CFR 155 subpart D.

Oil Prohibition - No Overfill Protection Devices

This vessel is not equipped with overfill protection devices and is prohibited from carrying oil products as defined in 33 CFR 151.05.



Certificate of Inspection

Vessel Name: CCL 2

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 C/L	07Feb2017	07Oct2022	31Oct2032	-	-	-
2 C/L	07Feb2017	07Oct2022	31Oct2032	-	-	-
3 C/L	07Feb2017	07Oct2022	31Oct2032	-	-	-

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1 C/L	-	-	-	-
2 C/L	-	-	-	-
3 C/L	-	-	-	-

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

--- Fire Fighting Equipment ---

Fire Extinguishers - Hand portable and semi-portable

Quantity	Class Type
2	40-B

END



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CCL2
Official #: 510107

Shipyard: 2047
Hull #: Jeffboat

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Type	Tanks				Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements			
Tnk Grp	Tanks in Group	Density	Press.	Temp.		Cargo Seg Tank	Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction	Elec Haz	Temp Cont
A	1 thru 3	13.5	Atmos.	Amb.	III	1ii 2ii	Integral Gravity	PV	Open	II	G-1	NR	NA	Portable	40-1(f)(1), .50-70(a), .50-70(b), .50-73,	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (c), (d), (e), (f), (g).	NR	Yes

- Notes: 1. Under Environmental Control, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks.
 2. Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo handling space. NA means that the vessel does not have a cargo control space, and this requirement is not applied.
 3. Under Electrical Hazard Class, NA means that the tank group is suitable only for those cargoes which have no electrical hazard class requirement. NR means that the vessel has no electrical equipment located in a hazardous location.

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat'ls of Construction	
							App'd (Y or N)	VCS Category		

Authorized Subchapter O Cargoes

Alkyl(C7-C9) nitrates	AKN	34 ²	O	NA	III	A	No	N/A	.50-81, .50-86
Aminoethylethanolamine	AEE	8	O	E	III	A	No	N/A	.55-1(b)
Ammonium bisulfite solution (70% or less)	ABX	43 ²	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	No	N/A	.55-1(h)
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No
Caustic potash solution	CPS	5 ²	O	NA	III	A	No	N/A	.50-73, .55-1(i)
Caustic soda solution	CSS	5 ²	O	NA	III	A	No	N/A	.50-73, .55-1(j)
Chlorobenzene	CRB	36	O	D	III	A	No	N/A	No
Chloroform	CRF	36	O	E	III	A	No	N/A	No
Creosote	CCW	21 ²	O	E	III	A	No	N/A	No
Cresols (all isomers)	CRS	21	O	E	III	A	No	N/A	No
Cresylic acid tar	CRX		O		III	A	No	N/A	.55-1(f)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	O	D	III	A	No	N/A	.50-60, .56-1(b)
iso-Decyl acrylate	IAI	14	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b), .55-1(c)
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 ²	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
Diethanolamine	DEA	8	O	E	III	A	No	N/A	.55-1(c)
Diethylenetriamine	DET	7 ²	O	E	III	A	No	N/A	.55-1(c)
Diisopropanolamine	DIP	8	O	E	III	A	No	N/A	.55-1(c)
Dodecyl dimethylamine, Tetradecyl dimethylamine mixture	DOT	7	O	E	III	A	No	N/A	.56-1(b)
Ethanolamine	MEA	8	O	E	III	A	No	N/A	.55-1(c)
Ethylene cyanohydrin	ETC	20	O	E	III	A	No	N/A	No
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No
Ethylene glycol propyl ether	EGP	40	O	E	III	A	No	N/A	No
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No
Isoprene	IPR	30	O	A	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)
Methyl diethanolamine	MDE	8	O	E	III	A	No	N/A	.56-1(b), (c)
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	No	N/A	.55-1(e)
Morpholine	MPL	7 ²	O	D	III	A	No	N/A	.55-1(c)
Polyethylene polyamines	PEB	7 ²	O	E	III	A	No	N/A	.55-1(e)
iso-Propanolamine	MPA	8	O	E	III	A	No	N/A	.55-1(c)
Propanolamine (iso-, n-)	PAX	8	O	E	III	A	No	N/A	.56-1(b), (c)
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		O		III	A	No	N/A	.50-73, .55-1(j)
Sodium aluminate solution (45% or less)	SAU	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)

*** This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection. ***



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CCL2
Official #: 510107

Page 2 of 3

Shipyard: 2047
Hull #: Jeffboat

Cargo Identification						Conditions of Carriage				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat'ls of Construction	
							App'd (Y or N)	VCS Category		
Sodium chlorate solution (50% or less)	SDD	0 ^{1,2}	O	NA	III	A	No	N/A	.50-73	
Sodium sulfide, hydrosulfide solution (H ₂ S 15 ppm or less)	SSH	0 ^{1,2}	O	NA	III	A	No	N/A	.50-73, .55-1(b)	
Styrene monomer	STY	30	O	D	III	A	No	N/A	.50-70(a), .50-81(a), (b)	
Tetraethylenepentamine	TTP	7	O	E	III	A	No	N/A	.55-1(c)	
Triethanolamine	TEA	8 ²	O	E	III	A	No	N/A	.55-1(b)	
Triethylenetetramine	TET	7 ²	O	E	III	A	No	N/A	.55-1(b)	
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	N/A	.56-1(a), (b), (c)	
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c)	
Vanillin black liquor (free alkali content, 3% or more)	VBL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)	
Vinyl acetate	VAM	13	O	C	III	A	No	N/A	.50-70(a), .50-81(a), (b)	



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CCL2
Official #: 510107

Shipyard: 2047
Hull #: Jeffboat

Explanation of terms & symbols used in the Table:

Cargo Identification

Name	The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2.
Chem Code none	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual. Certain mixtures of cargoes may not have a CHRIS Code assigned.
Compatibility Group No.	The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.
Note 1	Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For
Note 2	additional compatibility information, contact Commandant (G-MSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 267-1217.
Subchapter	See Annex 1 to 46 CFR Part 150 - exceptions to the compatibility chart
Subchapter D	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter O	Those flammable and combustible liquids listed in 46 CFR Table 30.25-1.
Note 3	Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2. Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges.
Grade	The cargo classification assigned to each flammable or combustible liquid. Grades inside of "{ }" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
A, B, C	Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
D, E	Combustible liquid cargoes, as defined in 46 CFR 30-10.15.
Note 4	The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
NA	Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
#	No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available.
Hull Type	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1.
I	Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1).
II	Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
III	Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).
NA	Not applicable to barges certificated under Subchapter D.

Conditions of Carriage

Tank Group	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.

Conditions of Carriage

Tank Group	The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
VCS Category:	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety components and restricting vapor flow which could lead to cargo tank overpressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a material not normally considered a monomer can be a problem in detonation
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1 cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.
Category 6	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.
Category 7	(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.

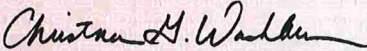


UNITED STATES OF AMERICA

DEPARTMENT OF HOMELAND SECURITY
UNITED STATES COAST GUARD

NATIONAL VESSEL DOCUMENTATION CENTER

CERTIFICATE OF DOCUMENTATION

VESSEL NAME CCL 2		OFFICIAL NUMBER 510107	IMO OR OTHER NUMBER 2047	YEAR COMPLETED 1967	
HAILING PORT NEW ORLEANS LA		HULL MATERIAL STEEL		MECHANICAL PROPULSION NO	
GROSS TONNAGE 855 GRT	NET TONNAGE 855 NRT	LENGTH 195.0	BREADTH 35.1	DEPTH 10.9	
PLACE BUILT JEFFERSONVILLE IN					
OWNERS BROOKE BANTA LLC COMPRISED OF TWO MEMBERS			OPERATIONAL ENDORSEMENTS COASTWISE		
MANAGING OWNER BROOKE BANTA LLC 1237 HIGHWAY 75 SUNSHINE LA 70780					
RESTRICTIONS NONE					
ENTITLEMENTS NONE					
REMARKS NONE					
ISSUE DATE AUGUST 06, 2025		 DIRECTOR, NATIONAL VESSEL DOCUMENTATION CENTER			
THIS CERTIFICATE EXPIRES AUGUST 31, 2026					





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VESSEL NAME	VESSEL TYPE	HULL TYPE	GROSS TONNAGE	COFR NUMBER	EFFECTIVE DATE	EXPIRATION DATE	COFR APPLICANT	VIN	INSURANCE CANCEL FLAG
CCL 2	TANKBARGE D		855	841310 - 21	6/23/2023	6/23/2026	CHEM CARRIERS, L.L.C	D510107	
CCL 20	TANKBARGE D		735	841310 - 21	2/27/2022	2/27/2025	CHEM CARRIERS, L.L.C	D1191598	
CCL 21	TANKBARGE D		793	841310 - 21	2/26/2022	2/26/2025	CHEM CARRIERS, L.L.C	D1191599	
CCL 22	TANKBARGE D		735	841310 - 21	1/13/2022	1/13/2025	CHEM CARRIERS, L.L.C	D1191600	
CCL 23	TANKBARGE D		793	841310 - 21	4/20/2022	4/20/2025	CHEM CARRIERS, L.L.C	D1191601	
CCL 24	TANKBARGE		735	841310 - 21	8/11/2020	8/11/2023	CHEM CARRIERS, L.L.C	D1196547	
CCL 25	TANKBARGE		735	841310 - 21	8/11/2020	8/11/2023	CHEM CARRIERS, L.L.C	D1196548	
CCL 26	TANKBARGE D		735	841310 - 21	2/11/2022	2/11/2025	CHEM CARRIERS, L.L.C	D1203816	
CCL 27	TANKBARGE		735	841310 - 21	5/3/2021	5/3/2024	CHEM CARRIERS, L.L.C	D1203817	
CCL 28	TANKBARGE		793	841310 - 21	9/9/2020	9/9/2023	CHEM CARRIERS, L.L.C	D1212828	
CCL 29	TANKBARGE		793	841310 - 21	9/22/2020	9/22/2023	CHEM CARRIERS, L.L.C	D1212829	

< Prev Next >

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Version 3.7 -- This version is designed for Internet Explorer, Edge, Chrome, Firefox and Safari.

Bobby's Industrial Services, Inc.
Contact: Bobby Edwards
Phone: 251-348-2143

TRANSFER PIPING SYSTEM

THE FOLLOWING ITEMS HAVE BEEN TESTED AS PER THE REQUIREMENTS OF 46 CFR 35-70 AND 33 CFR 156.170.

TANK BARGE: CCL 2

OFFICIAL NO: 510107

A. TRANSFER PIPING SYSTEM:

TEST DATE: 9-8-25

PRESSURE: 188

PERFORMED BY: RE

B. TRANSFER SYSTEM RELIEF VALVE:

TEST DATE: 9-8-25

PRESSURE: N/A

PERFORMED BY: RE

C. PRESSURE GAUGE:

TEST DATE: 9-8-25

PRESSURE: _____

PERFORMED BY: RE

D. DETERMINATION OF TEST:

PASSED: 1 hour good

FAILED: _____

I CERTIFY THAT ALL OF THE INFORMATION ON THIS DOCUMENT IS TRUE AND CORRECT.

PRINT NAME: Robert Edwards TITLE: Foreman DATE: 9-8-25

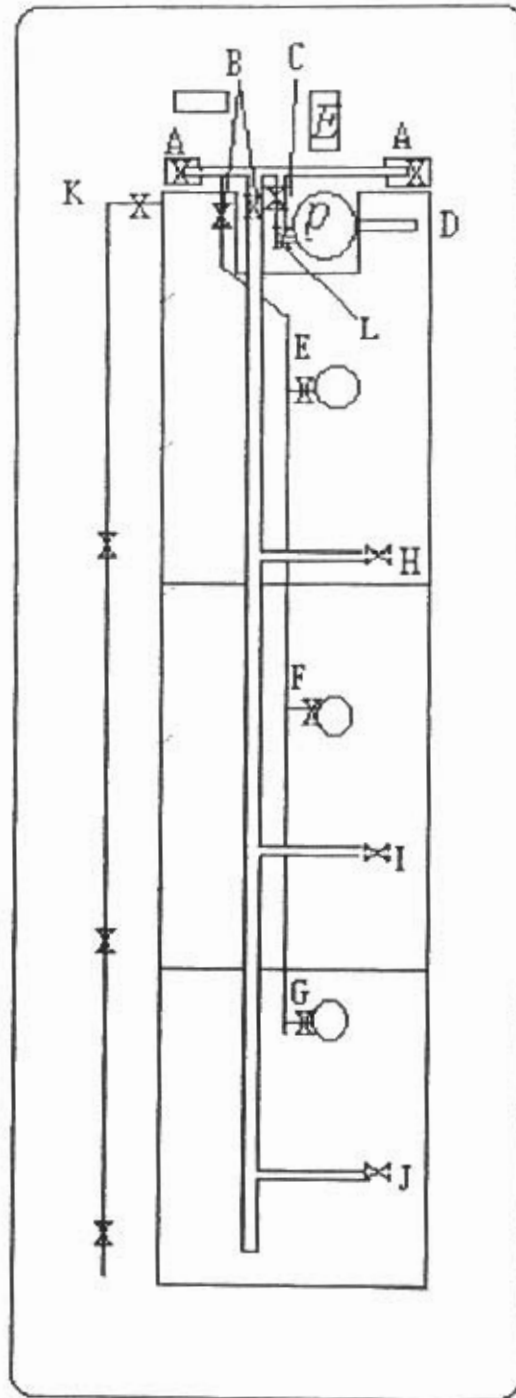
SIGNATURE: Robert Edwards

CCL2

PIPING DIAGRAM

- A. Header Discharge and Load Valves
- B. Main Load Valves
- C. Main Discharge Valve
- D. Pump Prime Valves/Pumps
- E. #1 Cargo Tank Valve
- F. #2 Cargo Tank Valve
- G. #3 Cargo Tank Valve
- H. #1 Cargo Tank Overhead Load Line Valve
- I. #2 Cargo Tank Overhead Load Line Valve
- J. #3 Cargo Tank Overhead Load Line Valve
- K. Main Steam Supply Valve
- L. 8" Swing Check Valve

P = Pump
E = Engine



CARGO TRANSFER PROCEDURES

CHEM CARRIERS L.L.C.

TRANSFER FROM BARGE TO DOCK

PARTS

- 1. PRODUCTS TRANSFERRED**
- 2. DESCRIPTION OF SYSTEM**
- 3. PERSONS ON DUTY**
- 4. PERSONS IN CHARGE**
- 5. EMERGENCY SHUTDOWN**
- 6. TOPPING OFF PROCEDURE**
- 7. COMPLETION OF TRANSFER**
- 8. REPORTING CARGO SPILLS**
- 9. VESSEL CLOSURES**
- 10. PRODUCT DATA**
Barge CCL 2

PARTS 1. PRODUCTS TRANSFERRED

33 CFR 155.750 (a) (1) (i)

This vessel is certificated for the carriage of grades "A" and lower Sub-Chapter (D) and (O) Products. Reference Certificate of Inspection.

PARTS 2. DESCRIPTION OF CARGO TRANSFER SYSTEM

33 CFR 155.750 (a) (2) (i) (ii)

The standard cargo transfer procedures apply to all Chem Carrier L.L.C. owned or leased tank barges. In most cases other than series built barges, the cargo piping arrangement is usually slightly different on every barge, and for this reason, the piping diagram must be studied before loading or discharging a barge. The basic concept for loading and discharging is fairly standard depending on the location of the pump.

A. (Reference the piping diagram for transfer system arrangement.)

B. PROCEDURES FOR THE CONTAINMENT SYSTEM

33 CFR 155.310 (a) (1) (iv)

33 CFR 155.750 (a) (2) (iii)

The containment pans are equipped with a drain for the removal of slops to shore facilities:

NEVER DRAIN THE CONTAINMENT TANKS ONTO THE DECK.

PARTS 3. PERSONS ON DUTY DURING TRANSFER

33 CFR 155.750 (a) (3)

Number of persons required to be on duty during transfer operations:

At no time during the transfer operation will be less than one responsible person on duty. The certified tankerman assigned shall be in charge and responsible for the safe transfer of cargo.

PARTS 4. PERSONS IN CHARGE

The tankerman (person in charge) is responsible for transferring cargo and carrying out related operations on board in an efficient, safe, and pollution free manner. The tankerman whether employed by the towboat, owner, operator, a shore tankerman service, or Chem Carriers L.L.C., shall comply with all Coast Guard, State and local regulations. Tankerman's responsibility shall include but not be limited to the following:

- A. To have on his/her person a valid merchant marine document endorsed as tankerman, certified to handle the grade of cargo to be transferred.
- B. Make a thorough inspection of the barge prior to the start of transfer operation.
- C. To have proper connection of the grounding cable.
- D. The vessel's moorings are adequate to hold during all expected conditions of surge, current, wind, tide, etc., and lines are long enough to allow for surge, tide, wind, changes in draft etc.
- E. Proper hose sizes, lengths, support, and connections.
- F. The condition of fire extinguishers and required number.
- F. The person in charge of transfer operations on the transferring vessel or facility and the person in charge of transferring operations on the receiving vessel or facility agree to begin the transfer operations.
- H. The transfer operation between tank barges and dock facilities should be lighted between sunset and sunrise to comply with the U. S. Coast Guard regulation pertaining to the displaying of lights on barges as required by Title 33.

PARTS 5. EMERGENCY SHUTDOWN

33 CFR 155.750 (a) (6)

THE EMERGENCY SHUTDOWN IS LOCATED NEAR THE CENTER OF THE BARGE.

- A. In the event of an emergency, transfer operations can be stopped by pulling the remote shutdown cable.

B. Familiarize yourself with its location and operation prior to transfer

PARTS 6. TOPPING OFF PROCEDURES

33 CFR 155.750 (a) (7)

In the process of topping off, tanks should be loaded at different levels to top off one at a time. Extra care should be taken to avoid over pressuring the connections, and hoses by closing valves against the receiving line. Since barges and facilities vary in their systems, no standard for topping off exist, but the following should be considered:

- A. The closing of one tank increases the rate of flow to other tanks on the same line.
- B. Always consider temperature and cargo in accordance with the amount of expansion that should be allowed.
- C. Always maintain communications with dock or shore personnel.
- D. CCL 2 is equipped with an overhead load line with a load valve for each cargo tank. This line is intended for use in the caustic soda trade to load over frozen sumps.

PARTS 7. COMPLETION OF TRANSFER

33 CFR 155.750 (a) (8)

Upon the completion of the transfer all pipelines should be vented and drained into cargo tanks. The header valve used during the operation should than be closed, sealed off with a blind flange and shore personnel should seal lines and hatches on vessel.

PARTS 8. REPORTING CARGO SPILLS

33 CFR 155.750 (a) (9)

Should an accidental discharge of product occur, you should consider the following:

- A. Locate the source of the spill and try to stop it, if possible, and safe to do so.
- B. Make an attempt to contain the product if possible.
- C. Notify the Coast Guard. The national Response Center at 1-800-424-9300.
- D. Notify Chem Carriers L.L.C. at (225) 642-0060.
- E. If loading, transfer the cargo from the leaking tank to an adjacent tank or back to the dock if safe to do so.
- F. If discharging, pump the product from the leaking tank as quickly as possible if safe to do so.

***When reporting a spill, the tankerman should provide the following information:**

- A. Name (his or her)
- B. Name of Company: (employed by; contracted by)
- C. Name of Barge
- D. Spill Location
- E. Specify Product
- F. Estimate Quantity of Spill
- G. Weather, Tide, Sea and Current Conditions
- H. Cause of Spill
- I. Action Being Taken to Contain and Stop Spill

PART 9. CLOSURES ON VESSELS

Upon completion of cargo transfer operations, all tank hatch covers, ullage covers, and gauging device covers shall be dogged down and secured. In addition, the vent drain valves, if installed, should be secured and left in the proper position. All drain valves should be closed, and drip pan covers, if installed, should be made up tight. Covers for void spaces, bow and stern compartments shall be secured at all times and checked for tightness. Closing devices on clean-out hatches and clean-out opening should be checked, especially when the barge is loaded.

PART 10. PRODUCT DATA

See specific MSDS sheets provided with these procedures.

In case of any other emergency, immediately shut down and notify the transferring facility, and Chem Carriers L.L.C.

(225) 642-0060 24 Hour Line.

U.S. Department of
Homeland Security

United States
Coast Guard



Commanding Officer
United States Coast Guard
Marine Safety Center

US Coast Guard Stop 7430
2703 Martin Luther King Jr. Ave. SE
Washington, DC 20593-7430
Staff Symbol: MSC-5
Phone: (202) 795-6729
Email: securityplaninfo@uscg.mil

16710
VS-326893
October 16, 2024

Chem Carriers, LLC
Attn: Robert Banta
1237 Hwy 75
Sunshine, LA 70780
robert@chemcarriers.com

Subj: CHEM CARRIERS, LLC VESSELS
VESSEL SECURITY PLAN APPROVAL

Ref: (a) Your correspondence dated September 18, 2024
(b) Title 33 Code of Federal Regulations (CFR) Part 104

Dear Mr. Banta:

We have conducted a review of the Vessel Security Plan (VSP) submitted with reference (a) in accordance with reference (b) and it is "**Approved.**" The list of vessels covered by this letter is attached as enclosure (1).

Your vessels must operate in compliance with this approved VSP and the requirements contained in reference (b). You are reminded to immediately report any deviation from this approved plan to the local Captain of the Port (COTP)/Officer in Charge, Marine Inspection (OCMI).

This approval will remain valid until five years from the date of this letter unless rescinded in writing by the local COTP/OCMI. You must review your plans annually and submit any amendments to this office for approval. Please ensure that a copy of the VSP is maintained on board the vessels if manned, or, if unmanned, at a suitable secure location so that it is readily available during an emergency or security incident. You shall make available to the Coast Guard, upon request, this letter, the VSP and any information related to the implementation of the VSP. Our Case Number for this plan is 326893. Please ensure that all future correspondence includes this Case Number.

Sincerely,

K. C. WILLIAMS
Lieutenant Commander, U.S. Coast Guard
Chief, Vessel Security Division
By direction

Enclosure: (1) List of Vessels Covered

List of Vessels Covered

<u>Vessel Name</u>	<u>Official Number (O.N.)</u>
CCL-1	518612
CCL 2	510107
CCL-3	296363
CCL 4	512519
CCL-5	512520
CCL-6	530996
CCL7	551980
CCL 8	551982
CCL 9	551983
CCL 10	551979
CCL 11	551976
CCL 14	1164451
CCL 15	1164452
CCL 16	1164666
CCL 17	1166179
CCL 18	1168981
CCL 19	1168980
CCL 20	1191598
CCL 21	1191599
CCL 22	1191600
CCL 23	1191601
CCL 24	1196547
CCL 25	1196548
CCL 26	1203816
CCL 27	1203817
CCL 28	1212828
CCL 29	1212829
CCL 30	1305871
CCL 31	1305870
CCL 32	1305869
CCL 33	1305868
CCL 401	1216671
CCL 402	1219910
CCL 403	1231311
CCL 404	1231312
CCL 405	1236867
CCL 406	1236866
CCL 407	1246320
CCL 408	1246097
CCL 409	1246098
CCL 410	1255906
CCL 411	1255907
CCL 414-L	1262941

<u>Vessel Name</u>	<u>Official Number (O.N.)</u>
CCL 415-T	1262942
CCL 416-T	1264691
CCL 417 T	1298307
CCL 418-L	1306896
CCL 419-L	1306897
CCL 420-T	1348560
CCL 421-T	CG1843359
HFL 413	1237482
HFL 415	1237483
HFL 435	1236563
HFL 605	1237484

BARGE CCL-2
HULL 2047

TANK GAUGE TABLE

(SHEET NO. 1 OF 2)

NO. 1

GAUGE HEIGHT 15'-9 3/4"

INNADE TABLE

N	0 FT		1 FT		2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT		10 FT		11 FT		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	22	0	8099	0	1941	0	3100	0	4258	0	5418	0	6577	0	7736	0	8895	0	10054	0	11213	0	12372	0	13531
1	37	1/4	8321	1/4	1965	1/4	3124	1/4	4282	1/4	5442	1/4	6601	1/4	7760	1/4	8919	1/4	10078	1/4	11237	1/4	12396	1/4	13555
2	53	1/2	8542	1/2	1989	1/2	3148	1/2	4306	1/2	5466	1/2	6625	1/2	7784	1/2	8943	1/2	10102	1/2	11261	1/2	12420	1/2	13579
3	68	3/4	8764	3/4	2013	3/4	3172	3/4	4330	3/4	5490	3/4	6649	3/4	7808	3/4	8967	3/4	10126	3/4	11285	3/4	12444	3/4	13603
4	83	1	8985	1	2037	1	3196	1	4354	1	5514	1	6673	1	7832	1	8991	1	10150	1	11309	1	12468	1	13627
5	162	1	9210	1	2061	1	3220	1	4378	1	5538	1	6697	1	7856	1	9015	1	10174	1	11333	1	12492	1	13651
6	240	1	9435	1	2086	1	3244	1	4401	1	5561	1	6720	1	7879	1	9039	1	10198	1	11356	1	12515	1	13674
7	319	1	9660	1	2110	1	3268	1	4425	1	5585	1	6744	1	7903	1	9063	1	10222	1	11380	1	12539	1	13698
8	397	2	9884	2	2134	2	3292	2	4451	2	5611	2	6768	2	7927	2	9087	2	10246	2	11404	2	12563	2	13722
9	482	2	10113	2	2158	2	3317	2	4476	2	5635	2	6792	2	7951	2	9111	2	10270	2	11428	2	12587	2	13746
10	539	2	10341	2	2182	2	3341	2	4501	2	5659	2	6816	2	7975	2	9135	2	10294	2	11452	2	12611	2	13770
11	682	3	10569	3	2206	3	3365	3	4526	3	5683	3	6841	3	8000	3	9159	3	10318	3	11476	3	12635	3	13794
12	825	3	10797	3	2230	3	3389	3	4551	3	5707	3	6865	3	8024	3	9183	3	10342	3	11500	3	12659	3	13818
13	967	3	11029	3	2254	3	3413	3	4576	3	5731	3	6889	3	8048	3	9207	3	10366	3	11524	3	12683	3	13842
14	1144	3	11261	3	2278	3	3437	3	4601	3	5755	3	6913	3	8072	3	9231	3	10390	3	11548	3	12707	3	13866
15	1320	4	11492	4	2302	4	3461	4	4626	4	5779	4	6937	4	8096	4	9255	4	10414	4	11572	4	12731	4	13890
16	1497	4	11724	4	2326	4	3485	4	4651	4	5803	4	6961	4	8120	4	9279	4	10438	4	11596	4	12755	4	13914
17	1673	4	11959	4	2350	4	3509	4	4676	4	5827	4	6985	4	8144	4	9303	4	10462	4	11620	4	12779	4	13938
18	1853	4	12194	4	2374	4	3533	4	4701	4	5851	4	6999	4	8168	4	9327	4	10486	4	11644	4	12803	4	13962
19	2033	4	12429	4	2398	4	3557	4	4726	4	5875	4	7021	4	8192	4	9351	4	10510	4	11668	4	12827	4	13986
20	2213	5	12664	5	2422	5	3581	5	4751	5	5901	5	7045	5	8216	5	9375	5	10534	5	11692	5	12851	5	14010
21	2393	5	12899	5	2446	5	3605	5	4776	5	5925	5	7069	5	8240	5	9400	5	10558	5	11716	5	12875	5	14034
22	2577	5	13134	5	2470	5	3629	5	4801	5	5949	5	7093	5	8264	5	9424	5	10582	5	11740	5	12900	5	14058
23	2760	5	13369	5	2494	5	3653	5	4826	5	5973	5	7117	5	8288	5	9448	5	10606	5	11764	5	12924	5	14082
24	2943	6	13604	6	2518	6	3677	6	4851	6	5997	6	7141	6	8312	6	9472	6	10630	6	11788	6	12948	6	14106
25	3127	6	13839	6	2542	6	3701	6	4876	6	6021	6	7165	6	8336	6	9496	6	10654	6	11812	6	12972	6	14130
26	3310	6	14074	6	2566	6	3725	6	4901	6	6045	6	7189	6	8360	6	9520	6	10678	6	11836	6	13000	6	14154
27	3500	6	14309	6	2590	6	3749	6	4926	6	6069	6	7213	6	8384	6	9544	6	10702	6	11860	6	13024	6	14178
28	3687	7	14544	7	2614	7	3773	7	4951	7	6093	7	7237	7	8408	7	9568	7	10726	7	11884	7	13048	7	14202
29	4078	7	14779	7	2638	7	3797	7	4976	7	6117	7	7261	7	8432	7	9592	7	10750	7	11908	7	13072	7	14226
30	4487	7	15014	7	2662	7	3821	7	5001	7	6141	7	7285	7	8456	7	9616	7	10774	7	11932	7	13096	7	14250
31	4892	8	15249	8	2686	8	3845	8	5026	8	6165	8	7309	8	8480	8	9640	8	10798	8	11956	8	13120	8	14274
32	4699	8	15484	8	2710	8	3869	8	5051	8	6189	8	7333	8	8504	8	9664	8	10822	8	11980	8	13144	8	14298
33	4899	8	15719	8	2734	8	3893	8	5076	8	6213	8	7357	8	8528	8	9688	8	10846	8	12008	8	13168	8	14322
34	5107	8	16027	8	2758	8	3917	8	5101	8	6237	8	7381	8	8552	8	9712	8	10870	8	12032	8	13192	8	14346
35	5315	8	16269	8	2782	8	3941	8	5126	8	6261	8	7405	8	8576	8	9736	8	10894	8	12056	8	13216	8	14370
36	5523	9	16511	9	2806	9	3965	9	5151	9	6285	9	7429	9	8600	9	9760	9	10918	9	12080	9	13240	9	14394
37	5734	9	16752	9	2830	9	3989	9	5176	9	6309	9	7453	9	8624	9	9784	9	10942	9	12104	9	13264	9	14418
38	5946	9	16994	9	2854	9	4013	9	5201	9	6333	9	7477	9	8648	9	9808	9	10966	9	12128	9	13288	9	14442
39	6157	9	17236	9	2878	9	4037	9	5226	9	6357	9	7501	9	8672	9	9832	9	10990	9	12152	9	13312	9	14466
40	6368	10	17477	10	2902	10	4061	10	5251	10	6381	10	7525	10	8696	10	9856	10	11014	10	12176	10	13336	10	14490
41	6583	10	17719	10	2926	10	4085	10	5276	10	6405	10	7549	10	8720	10	9880	10	11038	10	12200	10	13360	10	14514
42	6798	10	17961	10	2950	10	4109	10	5301	10	6429	10	7573	10	8744	10	9904	10	11062	10	12224	10	13384	10	14538
43	7012	10	18202	10	2974	10	4133	10	5326	10	6453	10	7597	10	8768	10	9928	10	11086	10	12248	10	13408	10	14562
44	7227	11	18444	11	3000	11	4157	11	5351	11	6477	11	7621	11	8792	11	9952	11	11110	11	12272	11	13432	11	14586
45	7445	11	18686	11	3024	11	4181	11	5376	11	6501	11	7645	11	8816	11	9976	11	11134	11	12296	11	13456	11	14610
46	7663	11	18927	11	3048	11	4205	11	5401	11	6525	11	7669	11	8840	11	9999	11	11158	11	12320	11	13480	11	14634
47	7881	11	19169	11	3072	11	4229	11	5426	11	6549	11	7693	11	8864	11	10023	11	11182	11	12344	11	13504	11	14658

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

NOTE: GAUGE LOCATION AT CENTER OF TANK.

CAPACITIES GIVEN IN O. S. GALLONS

Strapped By: OPS
 COMPUTED BY: MLS & SJX
 CHECKED BY: MLS
 JULY
 AUGUST
 1967

BARGE CCL-2
HULL 2047

TANK GAUGE TABLE
NO. 1
 GAUGE HEIGHT 15'-9 3/4"

(SHEET NO. 2 OF 2)

IN	12 FT		13 FT		14 FT		15 FT		16 FT		17 FT		18 FT		19 FT		20 FT		
	O	IN	O	IN	O	IN	O	IN	O	IN	O	IN	O	IN	O	IN	O	IN	
0	1353774	0	1469773	0	1585773	0	1701773	0	1817773	0	1933773	0	2049773	0	2165773	0	2281773	0	2397773
1	135616	1/8	147215	1/8	158814	1/8	170413	1/8	182012	1/8	193611	1/8	205210	1/8	216809	1/8	228408	1/8	240007
2	135858	1/4	147457	1/4	159056	1/4	170655	1/4	182254	1/4	193853	1/4	205452	1/4	217051	1/4	228650	1/4	240249
3	136099	3/8	147698	3/8	159298	3/8	170897	3/8	182496	3/8	194095	3/8	205694	3/8	217293	3/8	228892	3/8	240491
4	136341	1/2	147940	1/2	159540	1/2	171140	1/2	182739	1/2	194338	1/2	205937	1/2	217536	1/2	229135	1/2	240690
5	136583	5/8	148182	5/8	159782	5/8	171382	5/8	182981	5/8	194580	5/8	206179	5/8	217778	5/8	229334	5/8	240932
6	136824	1	148423	1	160023	1	171623	1	183222	1	194821	1	206420	1	218019	1	229575	1	241174
7	137066	1 1/8	148665	1 1/8	160265	1 1/8	171865	1 1/8	183464	1 1/8	195063	1 1/8	206662	1 1/8	218261	1 1/8	229772	1 1/8	241416
8	137307	1 1/4	148907	1 1/4	160507	1 1/4	172107	1 1/4	183706	1 1/4	195305	1 1/4	206904	1 1/4	218503	1 1/4	230028	1 1/4	241658
9	137549	1 3/8	149148	1 3/8	160748	1 3/8	172348	1 3/8	183947	1 3/8	195546	1 3/8	207145	1 3/8	218744	1 3/8	230270	1 3/8	241900
10	137791	1 1/2	149390	1 1/2	160990	1 1/2	172590	1 1/2	184189	1 1/2	195789	1 1/2	207389	1 1/2	218984	1 1/2	230512	1 1/2	242142
11	138032	1 5/8	149632	1 5/8	161232	1 5/8	172832	1 5/8	184431	1 5/8	196030	1 5/8	207589	1 5/8	219184	1 5/8	230764	1 5/8	242384
12	138274	1 3/4	149873	1 3/4	161473	1 3/4	173073	1 3/4	184672	1 3/4	196271	1 3/4	207830	1 3/4	219426	1 3/4	231016	1 3/4	242626
13	138516	1 7/8	150115	1 7/8	161715	1 7/8	173315	1 7/8	184914	1 7/8	196513	1 7/8	208072	1 7/8	219678	1 7/8	231258	1 7/8	242868
14	138757	2	150357	2	161957	2	173557	2	185156	2	196755	2	208316	2	220024	2	231500	2	243110
15	138999	2 1/8	150598	2 1/8	162198	2 1/8	173798	2 1/8	185397	2 1/8	196996	2 1/8	208577	2 1/8	220270	2 1/8	231742	2 1/8	243352
16	139241	2 1/4	150840	2 1/4	162440	2 1/4	174040	2 1/4	185599	2 1/4	197198	2 1/4	208830	2 1/4	220522	2 1/4	231984	2 1/4	243594
17	139482	2 3/8	151082	2 3/8	162682	2 3/8	174282	2 3/8	185799	2 3/8	197439	2 3/8	209072	2 3/8	220774	2 3/8	232226	2 3/8	243836
18	139724	2 1/2	151323	2 1/2	162923	2 1/2	174523	2 1/2	186000	2 1/2	197681	2 1/2	209314	2 1/2	221016	2 1/2	232468	2 1/2	244078
19	139966	2 5/8	151565	2 5/8	163165	2 5/8	174765	2 5/8	186242	2 5/8	197922	2 5/8	209556	2 5/8	221258	2 5/8	232710	2 5/8	244320
20	140207	2 3/4	151806	2 3/4	163406	2 3/4	175006	2 3/4	186483	2 3/4	198164	2 3/4	209798	2 3/4	221500	2 3/4	232952	2 3/4	244562
21	140449	2 7/8	152048	2 7/8	163648	2 7/8	175248	2 7/8	186725	2 7/8	198406	2 7/8	210040	2 7/8	221742	2 7/8	233194	2 7/8	244804
22	140691	3	152290	3	163890	3	175490	3	186962	3	198648	3	210282	3	221984	3	233436	3	245046
23	140932	3 1/8	152531	3 1/8	164131	3 1/8	175731	3 1/8	187200	3 1/8	198890	3 1/8	210524	3 1/8	222226	3 1/8	233678	3 1/8	245288
24	141174	3 1/4	152773	3 1/4	164373	3 1/4	175973	3 1/4	187472	3 1/4	199132	3 1/4	210766	3 1/4	222468	3 1/4	233920	3 1/4	245530
25	141416	3 3/8	153015	3 3/8	164615	3 3/8	176215	3 3/8	187770	3 3/8	199374	3 3/8	211008	3 3/8	222710	3 3/8	234162	3 3/8	245772
26	141657	3 1/2	153256	3 1/2	164856	3 1/2	176456	3 1/2	187965	3 1/2	199616	3 1/2	211250	3 1/2	222952	3 1/2	234404	3 1/2	246014
27	141899	3 5/8	153498	3 5/8	165098	3 5/8	176698	3 5/8	188174	3 5/8	199858	3 5/8	211492	3 5/8	223194	3 5/8	234646	3 5/8	246256
28	142140	3 3/4	153740	3 3/4	165340	3 3/4	176940	3 3/4	188483	3 3/4	200099	3 3/4	211734	3 3/4	223436	3 3/4	234888	3 3/4	246498
29	142382	3 7/8	153981	3 7/8	165581	3 7/8	177181	3 7/8	188725	3 7/8	200340	3 7/8	211976	3 7/8	223678	3 7/8	235130	3 7/8	246740
30	142624	4	154223	4	165823	4	177423	4	189270	4	200582	4	212218	4	223920	4	235372	4	246982
31	142865	4 1/8	154465	4 1/8	166065	4 1/8	177665	4 1/8	189514	4 1/8	200824	4 1/8	212460	4 1/8	224162	4 1/8	235614	4 1/8	247224
32	143107	4 1/4	154706	4 1/4	166306	4 1/4	177865	4 1/4	189762	4 1/4	201066	4 1/4	212702	4 1/4	224404	4 1/4	235856	4 1/4	247466
33	143349	4 3/8	154948	4 3/8	166548	4 3/8	178065	4 3/8	190060	4 3/8	201308	4 3/8	212944	4 3/8	224646	4 3/8	236098	4 3/8	247708
34	143590	4 1/2	155190	4 1/2	166790	4 1/2	178265	4 1/2	190260	4 1/2	201550	4 1/2	213186	4 1/2	224888	4 1/2	236340	4 1/2	247950
35	143832	4 5/8	155431	4 5/8	167031	4 5/8	178465	4 5/8	190459	4 5/8	201792	4 5/8	213428	4 5/8	225130	4 5/8	236582	4 5/8	248192
36	144074	4 3/4	155673	4 3/4	167273	4 3/4	178665	4 3/4	190658	4 3/4	202034	4 3/4	213670	4 3/4	225372	4 3/4	236824	4 3/4	248434
37	144315	4 7/8	155915	4 7/8	167515	4 7/8	178865	4 7/8	190857	4 7/8	202276	4 7/8	213912	4 7/8	225614	4 7/8	237066	4 7/8	248676
38	144557	5	156156	5	167756	5	179065	5	191056	5	202518	5	214154	5	225856	5	237308	5	248918
39	144799	5 1/8	156398	5 1/8	167998	5 1/8	179265	5 1/8	191255	5 1/8	202760	5 1/8	214396	5 1/8	226098	5 1/8	237550	5 1/8	249160
40	145040	5 1/4	156639	5 1/4	168239	5 1/4	179465	5 1/4	191454	5 1/4	202999	5 1/4	214638	5 1/4	226340	5 1/4	237792	5 1/4	249402
41	145282	5 3/8	156881	5 3/8	168481	5 3/8	179665	5 3/8	191653	5 3/8	203242	5 3/8	214880	5 3/8	226582	5 3/8	238034	5 3/8	249644
42	145524	5 1/2	157123	5 1/2	168723	5 1/2	179865	5 1/2	191852	5 1/2	203484	5 1/2	215122	5 1/2	226824	5 1/2	238276	5 1/2	249886
43	145765	5 5/8	157365	5 5/8	168965	5 5/8	180065	5 5/8	192051	5 5/8	203726	5 5/8	215364	5 5/8	227066	5 5/8	238518	5 5/8	250128
44	146007	5 3/4	157606	5 3/4	169206	5 3/4	180265	5 3/4	192250	5 3/4	203968	5 3/4	215606	5 3/4	227308	5 3/4	238760	5 3/4	250370
45	146249	5 7/8	157848	5 7/8	169448	5 7/8	180465	5 7/8	192449	5 7/8	204210	5 7/8	215848	5 7/8	227550	5 7/8	239002	5 7/8	250612
46	146490	6	158089	6	169689	6	180665	6	192648	6	204452	6	216090	6	227792	6	239244	6	250854
47	146732	6 1/8	158331	6 1/8	169931	6 1/8	180865	6 1/8	192847	6 1/8	204694	6 1/8	216332	6 1/8	228034	6 1/8	239486	6 1/8	251096

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

CAPACITIES GIVEN IN U. S. GALLONS

trapped By: OPS
 COMPUTED BY: M.S. & S.K.
 CHECKED BY: W.C.S.

JULY
 DATE AUGUST
 1967

Date of Issue - August 7, 1967



E. W. SAYBOLT & CO., INC.
 BY *William F. Schaefer*
 DEPUTY INSPECTOR OF PETROLEUM
 APPROVED BY NEW YORK PRODUCT EXCHANGE

BARGE CCL 2
HULL 2047

(SHEET NO. 1 OF 2)

TANK GAUGE TABLE

NO. 2

GAUGE HEIGHT 15'-10 1/4"

0 FT		1 FT		2 FT		3 FT		4 FT		5 FT		6 FT		7 FT		8 FT		9 FT		10 FT		11 FT	
IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT	IN	WT
22	0	7960	0	17667	0	27349	0	37032	0	46717	0	56402	0	66087	0	75772	0	85457	0	95142	0	104827	0
40	1/2	8182	1/2	17867	1/2	27551	1/2	37234	1/2	46919	1/2	56604	1/2	66289	1/2	75974	1/2	85659	1/2	95344	1/2	105029	1/2
58	1	8383	1	18068	1	27732	1	37416	1	47101	1	56786	1	66471	1	76156	1	85841	1	95526	1	105211	1
76	1 1/2	8585	1 1/2	18270	1 1/2	27945	1 1/2	37629	1 1/2	47314	1 1/2	57000	1 1/2	66685	1 1/2	76370	1 1/2	86055	1 1/2	95740	1 1/2	105426	1 1/2
94	2	8787	2	18472	2	28159	2	37833	2	47518	2	57204	2	66890	2	76585	2	86270	2	95945	2	105631	2
110	2 1/2	8989	2 1/2	18674	2 1/2	28373	2 1/2	38047	2 1/2	47722	2 1/2	57418	2 1/2	67096	2 1/2	76791	2 1/2	86485	2 1/2	96140	2 1/2	105836	2 1/2
126	3	9190	3	18875	3	28588	3	38261	3	47926	3	57623	3	67298	3	76993	3	86680	3	96335	3	106033	3
142	3 1/2	9392	3 1/2	19077	3 1/2	28803	3 1/2	38474	3 1/2	48130	3 1/2	57838	3 1/2	67500	3 1/2	77205	3 1/2	86870	3 1/2	96540	3 1/2	106239	3 1/2
158	4	9594	4	19279	4	29017	4	38683	4	48331	4	58046	4	67701	4	77406	4	87060	4	96745	4	106441	4
174	4 1/2	9796	4 1/2	19481	4 1/2	29232	4 1/2	38894	4 1/2	48532	4 1/2	58257	4 1/2	67903	4 1/2	77611	4 1/2	87265	4 1/2	96960	4 1/2	106643	4 1/2
190	5	9998	5	19683	5	29447	5	39105	5	48733	5	58470	5	68105	5	77816	5	87475	5	97170	5	106845	5
206	5 1/2	10199	5 1/2	19884	5 1/2	29662	5 1/2	39317	5 1/2	48934	5 1/2	58685	5 1/2	68307	5 1/2	78027	5 1/2	87677	5 1/2	97385	5 1/2	107047	5 1/2
222	6	10401	6	20086	6	29877	6	39529	6	49139	6	58900	6	68508	6	78232	6	87878	6	97590	6	107249	6
238	6 1/2	10603	6 1/2	20288	6 1/2	30092	6 1/2	39740	6 1/2	49340	6 1/2	59113	6 1/2	68710	6 1/2	78441	6 1/2	88078	6 1/2	97800	6 1/2	107450	6 1/2
254	7	10805	7	20490	7	30307	7	39951	7	49542	7	59322	7	68912	7	78652	7	88282	7	98010	7	107652	7
270	7 1/2	11006	7 1/2	20691	7 1/2	30517	7 1/2	40161	7 1/2	49744	7 1/2	59524	7 1/2	69114	7 1/2	78892	7 1/2	88484	7 1/2	98215	7 1/2	107854	7 1/2
286	8	11208	8	20893	8	30727	8	40362	8	49946	8	59726	8	69316	8	79134	8	88687	8	98425	8	108055	8
302	8 1/2	11410	8 1/2	21095	8 1/2	30938	8 1/2	40564	8 1/2	50147	8 1/2	59927	8 1/2	69517	8 1/2	79344	8 1/2	88887	8 1/2	98630	8 1/2	108257	8 1/2
318	9	11612	9	21297	9	31149	9	40766	9	50349	9	60128	9	69719	9	79552	9	89089	9	98835	9	108459	9
334	9 1/2	11814	9 1/2	21498	9 1/2	31363	9 1/2	40968	9 1/2	50551	9 1/2	60336	9 1/2	69921	9 1/2	79760	9 1/2	89291	9 1/2	99040	9 1/2	108661	9 1/2
350	10	12015	10	21700	10	31585	10	41171	10	50753	10	60549	10	70123	10	79974	10	89493	10	99245	10	108862	10
366	10 1/2	12217	10 1/2	21902	10 1/2	31802	10 1/2	41374	10 1/2	50956	10 1/2	60756	10 1/2	70326	10 1/2	80186	10 1/2	89696	10 1/2	99450	10 1/2	109064	10 1/2
382	11	12419	11	22104	11	32019	11	41577	11	51158	11	60960	11	70526	11	80391	11	89900	11	99655	11	109266	11
398	11 1/2	12621	11 1/2	22306	11 1/2	32232	11 1/2	41780	11 1/2	51362	11 1/2	61163	11 1/2	70728	11 1/2	80601	11 1/2	90108	11 1/2	99860	11 1/2	109468	11 1/2
414	12	12822	12	22507	12	32446	12	41983	12	51566	12	61367	12	70930	12	80816	12	90316	12	100017	12	109670	12
430	12 1/2	13024	12 1/2	22709	12 1/2	32659	12 1/2	42186	12 1/2	51770	12 1/2	61570	12 1/2	71131	12 1/2	81018	12 1/2	90520	12 1/2	100219	12 1/2	109871	12 1/2
446	13	13226	13	22911	13	32873	13	42389	13	51974	13	61774	13	71333	13	81220	13	90723	13	100422	13	110073	13
462	13 1/2	13428	13 1/2	23113	13 1/2	33087	13 1/2	42592	13 1/2	52178	13 1/2	61977	13 1/2	71535	13 1/2	81422	13 1/2	90926	13 1/2	100625	13 1/2	110275	13 1/2
478	14	13629	14	23314	14	33302	14	42795	14	52382	14	62180	14	71737	14	81624	14	91127	14	100827	14	110477	14
494	14 1/2	13831	14 1/2	23516	14 1/2	33516	14 1/2	42998	14 1/2	52586	14 1/2	62384	14 1/2	71939	14 1/2	81825	14 1/2	91330	14 1/2	101030	14 1/2	110679	14 1/2
510	15	14033	15	23718	15	33730	15	43201	15	52790	15	62587	15	72142	15	82027	15	91534	15	101233	15	110880	15
526	15 1/2	14235	15 1/2	23920	15 1/2	33944	15 1/2	43404	15 1/2	52992	15 1/2	62789	15 1/2	72344	15 1/2	82229	15 1/2	91737	15 1/2	101436	15 1/2	111082	15 1/2
542	16	14437	16	24121	16	34148	16	43607	16	53194	16	62991	16	72546	16	82431	16	91940	16	101639	16	111284	16
558	16 1/2	14638	16 1/2	24323	16 1/2	34362	16 1/2	43810	16 1/2	53397	16 1/2	63192	16 1/2	72748	16 1/2	82634	16 1/2	92143	16 1/2	101842	16 1/2	111485	16 1/2
574	17	14840	17	24525	17	34576	17	44013	17	53599	17	63394	17	72949	17	82836	17	92346	17	102045	17	111687	17
590	17 1/2	15042	17 1/2	24727	17 1/2	34790	17 1/2	44216	17 1/2	53802	17 1/2	63596	17 1/2	73151	17 1/2	83038	17 1/2	92549	17 1/2	102248	17 1/2	111889	17 1/2
606	18	15244	18	24928	18	35004	18	44419	18	54006	18	63800	18	73353	18	83240	18	92752	18	102451	18	112091	18
622	18 1/2	15445	18 1/2	25130	18 1/2	35218	18 1/2	44622	18 1/2	54209	18 1/2	64003	18 1/2	73555	18 1/2	83441	18 1/2	92955	18 1/2	102654	18 1/2	112293	18 1/2
638	19	15647	19	25332	19	35432	19	44825	19	54412	19	64206	19	73757	19	83643	19	93157	19	102857	19	112494	19
654	19 1/2	15849	19 1/2	25534	19 1/2	35646	19 1/2	45028	19 1/2	54615	19 1/2	64409	19 1/2	73959	19 1/2	83845	19 1/2	93360	19 1/2	103060	19 1/2	112696	19 1/2
670	20	16051	20	25735	20	35860	20	45231	20	54818	20	64612	20	74161	20	84046	20	93562	20	103263	20	112898	20
686	20 1/2	16252	20 1/2	25937	20 1/2	36074	20 1/2	45434	20 1/2	55020	20 1/2	64815	20 1/2	74363	20 1/2	84248	20 1/2	93765	20 1/2	103466	20 1/2	113100	20 1/2
702	21	16454	21	26139	21	36288	21	45637	21	55223	21	65018	21	74565	21	84450	21	93967	21	103669	21	113301	21
718	21 1/2	16656	21 1/2	26340	21 1/2	36502	21 1/2	45840	21 1/2	55426	21 1/2	65221	21 1/2	74767	21 1/2	84652	21 1/2	94170	21 1/2	103872	21 1/2	113503	21 1/2
734	22	16858	22	26542	22	36716	22	46043	22	55629	22	65424	22	74969	22	84854	22	94372	22	104075	22	113705	22
750	22 1/2	17060	22 1/2	26744	22 1/2	36930	22 1/2	46246	22 1/2	55832	22 1/2	65627	22 1/2	75171	22 1/2	85056	22 1/2	94575	22 1/2	104278	22 1/2	113907	22 1/2
766	23	17261	23	26946	23	37144	23	46449	23	56035	23	658											

BARGE CCL2
HULL 2047

TANK GAUGE TABLE
NO. 2

(SHEET NO. 2 OF 2)

GAUGE HEIGHT 15'-10 1/4"

IN	12 FT IN		13 FT IN		14 FT IN		FT IN	IN	FT IN	IN	FT IN	IN	FT IN	IN	FT IN	IN	FT IN	IN
	O	%	O	%	O	%												
0	114512	0	124197	0	133882	0	0	0	0	0	0	0	0	0	0	0	0	0
1	114714	1/4	124399	1/4	134084	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
2	114916	1/2	124601	1/2	134285	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	115117	3/4	124802	3/4	134487	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
4	115319	1	125004	1	134689	1	1	1	1	1	1	1	1	1	1	1	1	1
5	115521	1 1/4	125206	1 1/4	134891	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
6	115723	1 1/2	125408	1 1/2	135093	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
7	115924	1 3/4	125609	1 3/4	135294	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
8	116126	2	125811	2	135496	2	2	2	2	2	2	2	2	2	2	2	2	2
9	116328	2 1/4	126013	2 1/4	135698	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
10	116530	2 1/2	126215	2 1/2	135900	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
11	116732	2 3/4	126416	2 3/4	136101	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
12	116933	3	126618	3	136303	3	3	3	3	3	3	3	3	3	3	3	3	3
13	117135	3 1/4	126820	3 1/4	136505	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
14	117337	3 1/2	127022	3 1/2	136707	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
15	117539	3 3/4	127224	3 3/4	136909	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
16	117740	4	127425	4	137111	4	4	4	4	4	4	4	4	4	4	4	4	4
17	117942	4 1/4	127627	4 1/4	137312	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
18	118144	4 1/2	127829	4 1/2	137514	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
19	118346	4 3/4	128031	4 3/4	137715	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
20	118547	5	128232	5	137917	5	5	5	5	5	5	5	5	5	5	5	5	5
21	118749	5 1/4	128434	5 1/4	138118	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
22	118951	5 1/2	128636	5 1/2	138320	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
23	119153	5 3/4	128838	5 3/4	138521	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
24	119355	6	129039	6	138723	6	6	6	6	6	6	6	6	6	6	6	6	6
25	119556	6 1/4	129241	6 1/4	138924	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
26	119758	6 1/2	129443	6 1/2	139125	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
27	119960	6 3/4	129644	6 3/4	139327	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
28	120162	7	129847	7	139528	7	7	7	7	7	7	7	7	7	7	7	7	7
29	120363	7 1/4	130048	7 1/4	139730	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
30	120565	7 1/2	130250	7 1/2	139931	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
31	120767	7 3/4	130452	7 3/4	140132	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
32	120969	8	130654	8	140334	8	8	8	8	8	8	8	8	8	8	8	8	8
33	121170	8 1/4	130855	8 1/4	140535	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
34	121372	8 1/2	131057	8 1/2	140737	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
35	121574	8 3/4	131259	8 3/4	140938	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
36	121776	9	131461	9	141140	9	9	9	9	9	9	9	9	9	9	9	9	9
37	121978	9 1/4	131662	9 1/4	141341	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
38	122179	9 1/2	131864	9 1/2	141543	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
39	122381	9 3/4	132066	9 3/4	141744	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
40	122583	10	132268	10	141946	10	10	10	10	10	10	10	10	10	10	10	10	10
41	122785	10 1/4	132470	10 1/4	142147	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
42	122986	10 1/2	132671	10 1/2	142349	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
43	123188	10 3/4	132873	10 3/4	142550	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
44	123390	11	133075	11	142752	11	11	11	11	11	11	11	11	11	11	11	11	11
45	123592	11 1/4	133277	11 1/4	142953	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
46	123793	11 1/2	133478	11 1/2	143155	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
47	123995	11 3/4	133680	11 3/4	143356	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 U. S. GALLONS

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

Stripped By: OIS
 Checked by: M.S. & S.J.R.
 JULY
 DATE ADJUSTED
 1967

E. W. SAYBOLT & CO., INC.
 at *William T. Schroeder*
 DEPUTY INSPECTOR OF PETROLEUM
 APPROVED BY NEW YORK PRODUCE EXCHANGE

Date of Issue - August 7, 1967

BARGE CCL 2
HULL 2047

TANK GAUGE TABLE
NO. 3

(SHEET NO. 1 OF 2)

GAUGE HEIGHT 15'-11"

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		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	2.2	0	903.4	0	19.891	0	307.47	0	41.603	0	52.468	0	63.317	0	74.174	0	85.031	0	95.889	0	106.746	0	117.603	0	128.460
1	4.2	0	926.0	0	20.117	0	319.63	0	42.829	0	53.696	0	64.553	0	75.410	0	86.267	0	97.124	0	107.981	0	118.838	0	129.695
2	6.3	0	948.6	0	20.344	0	332.33	0	44.055	0	54.922	0	65.779	0	76.636	0	87.493	0	98.350	0	109.207	0	120.064	0	130.921
3	8.3	0	971.3	0	20.570	0	345.03	0	45.286	0	56.149	0	67.006	0	77.863	0	88.720	0	99.577	0	110.434	0	121.291	0	132.148
4	10.3	1	993.9	1	20.796	1	357.73	1	46.517	1	57.382	1	68.239	1	79.096	1	89.953	1	100.810	1	111.667	1	122.524	1	133.381
5	12.3	1	1016.5	1	21.022	1	370.43	1	47.748	1	58.607	1	69.464	1	80.321	1	91.178	1	102.035	1	112.892	1	123.749	1	134.606
6	14.3	1	1039.1	1	21.247	1	383.13	1	48.989	1	59.848	1	70.705	1	81.562	1	92.419	1	103.276	1	114.133	1	124.990	1	135.847
7	16.3	2	1061.7	2	21.472	2	395.83	2	50.230	2	61.089	2	71.946	2	82.803	2	93.660	2	104.517	2	115.374	2	126.231	2	137.088
8	18.3	2	1084.4	2	21.697	2	408.53	2	51.471	2	62.328	2	73.185	2	84.042	2	94.899	2	105.756	2	116.613	2	127.466	2	138.325
9	20.3	2	1107.0	2	21.922	2	421.23	2	52.712	2	63.579	2	74.436	2	85.293	2	96.150	2	107.007	2	117.864	2	128.723	2	139.582
10	22.3	3	1129.6	3	22.147	3	433.93	3	53.943	3	64.836	3	75.699	3	86.556	3	97.413	3	108.270	3	119.127	3	129.980	3	140.840
11	24.3	3	1152.2	3	22.372	3	446.63	3	55.174	3	66.089	3	76.952	3	87.810	3	98.677	3	109.534	3	120.384	3	131.237	3	142.093
12	26.3	3	1174.8	3	22.597	3	459.33	3	56.405	3	67.342	3	78.209	3	89.067	3	100.930	3	111.787	3	121.641	3	132.500	3	143.346
13	28.3	4	1197.4	4	22.822	4	472.03	4	57.636	4	68.605	4	79.466	4	90.328	4	102.183	4	113.040	4	122.892	4	133.753	4	144.600
14	30.3	4	1220.0	4	23.047	4	484.73	4	58.867	4	69.866	4	80.727	4	91.589	4	103.440	4	114.293	4	124.145	4	135.006	4	145.854
15	32.3	4	1242.6	4	23.272	4	497.43	4	60.098	4	71.028	4	81.988	4	92.750	4	104.691	4	115.544	4	125.398	4	136.259	4	147.108
16	34.3	5	1265.2	5	23.497	5	510.13	5	61.329	5	72.289	5	83.148	5	93.912	5	105.655	5	116.508	5	126.651	5	137.512	5	148.362
17	36.3	5	1287.8	5	23.722	5	522.83	5	62.560	5	73.549	5	84.307	5	95.075	5	106.808	5	117.661	5	127.904	5	138.765	5	149.616
18	38.3	5	1310.4	5	23.947	5	535.53	5	63.791	5	74.809	5	85.566	5	96.334	5	108.060	5	118.914	5	129.157	5	140.018	5	150.870
19	40.3	6	1333.0	6	24.172	6	548.23	6	65.022	6	76.069	6	86.823	6	97.592	6	109.313	6	120.167	6	130.410	6	141.271	6	152.124
20	42.3	6	1355.6	6	24.397	6	560.93	6	66.253	6	77.329	6	88.084	6	98.855	6	111.564	6	121.420	6	131.663	6	142.474	6	153.378
21	44.3	6	1378.2	6	24.622	6	573.63	6	67.484	6	78.589	6	89.345	6	100.616	6	112.815	6	122.677	6	132.916	6	143.727	6	154.632
22	46.3	7	1400.8	7	24.847	7	586.33	7	68.715	7	79.849	7	90.606	7	101.876	7	114.064	7	123.929	7	134.170	7	144.980	7	155.886
23	48.3	7	1423.4	7	25.072	7	599.03	7	69.946	7	81.109	7	91.867	7	103.137	7	115.313	7	125.182	7	135.423	7	146.233	7	157.140
24	50.3	7	1446.0	7	25.297	7	611.73	7	71.140	7	82.369	7	93.128	7	104.400	7	116.561	7	126.435	7	136.676	7	147.484	7	158.394
25	52.3	8	1468.6	8	25.522	8	624.43	8	72.370	8	83.630	8	94.389	8	105.671	8	117.812	8	127.688	8	137.927	8	148.735	8	159.648
26	54.3	8	1491.2	8	25.747	8	637.13	8	73.591	8	84.891	8	95.650	8	106.932	8	119.063	8	128.940	8	139.180	8	150.000	8	160.902
27	56.3	8	1513.8	8	25.972	8	649.83	8	74.812	8	86.152	8	96.911	8	108.203	8	120.291	8	130.191	8	140.439	8	151.152	8	162.154
28	58.3	9	1536.4	9	26.197	9	662.53	9	76.033	9	87.413	9	98.172	9	109.492	9	121.543	9	131.442	9	141.701	9	152.406	9	163.408
29	60.3	9	1559.0	9	26.422	9	675.23	9	77.254	9	88.674	9	99.433	9	110.753	9	122.795	9	132.694	9	142.955	9	153.659	9	164.662
30	62.3	9	1581.6	9	26.647	9	687.93	9	78.475	9	89.935	9	100.694	9	112.014	9	123.946	9	133.946	9	144.207	9	154.911	9	165.916
31	64.3	10	1604.2	10	26.872	10	700.63	10	79.696	10	91.196	10	101.955	10	113.275	10	125.197	10	135.197	10	145.460	10	156.165	10	167.170
32	66.3	10	1626.8	10	27.097	10	713.33	10	80.917	10	92.457	10	103.216	10	114.536	10	126.448	10	136.448	10	146.713	10	157.419	10	168.424
33	68.3	10	1649.4	10	27.322	10	726.03	10	82.138	10	93.718	10	104.477	10	115.796	10	127.700	10	137.700	10	147.674	10	158.683	10	169.678
34	70.3	11	1672.0	11	27.547	11	738.73	11	83.359	11	94.979	11	105.738	11	117.055	11	128.952	11	138.952	11	148.938	11	159.942	11	170.932
35	72.3	11	1694.6	11	27.772	11	751.43	11	84.580	11	96.240	11	107.000	11	118.313	11	130.204	11	140.204	11	150.228	11	161.202	11	172.186
36	74.3	11	1717.2	11	28.000	11	764.13	11	85.801	11	97.501	11	108.261	11	119.570	11	131.456	11	141.456	11	151.480	11	162.454	11	173.440
37	76.3	12	1739.8	12	28.225	12	776.83	12	87.022	12	98.762	12	109.521	12	120.829	12	132.708	12	142.708	12	152.708	12	163.708	12	174.692
38	78.3	12	1762.4	12	28.450	12	789.53	12	88.243	12	100.023	12	110.782	12	121.980	12	133.952	12	143.952	12	153.952	12	164.952	12	175.676
39	80.3	12	1785.0	12	28.675	12	802.23	12	89.464	12	101.284	12	111.941	12	123.233	12	135.205	12	144.955	12	154.955	12	165.955	12	176.960
40	82.3	13	1807.6	13	28.900	13	814.93	13	90.685	13	102.545	13	113.198	13	124.487	13	136.459	13	146.459	13	156.459	13	167.459	13	177.964
41	84.3	13	1830.2	13	29.125	13	827.63	13	91.906	13	103.806	13	114.459	13	125.740	13	137.710	13	147.710	13	157.459	13	168.459	13	178.968
42	86.3	13	1852.8	13	29.350	13	840.33	13	93.127	13	105.027	13	115.720	13	126.991	13	138.961	13	148.961	13	158.459	13	169.459	13	179.972
43	88.3	14	1875.4	14	29.575	14	853.03	14	94.348	14	106.248	14	116.983	14	128.242	14	140.212	14	150.212	14	159.459	14	170.459	14	180.976
44	90.3	14	1898.0	14	29.800	14	865.73	14	95.569	14	107.469	14	118.244	14	129.493	14	141.463	14	151.463	14	1				

BARGE CCL 2
HULL 2047

TANK GAUGE TABLE
NO. 3
 GAUGE HEIGHT 18'-11"

(SHEET NO. 2 OF 2)

IN	12 FT		13 FT		14 FT		15 FT		16 FT		17 FT		18 FT		19 FT		20 FT		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0	128460	0	139317	0	150174	0	161031	0	171888	0	182745	0	193602	0	204459	0	215316	0	226173
1	128686	1/2	139543	1/2	150407	1/2	161264	1/2	172121	1/2	182978	1/2	193835	1/2	204692	1/2	215549	1/2	226406
2	128912	1	139769	1	150627	1	161484	1	172341	1	183198	1	194055	1	204912	1	215769	1	226623
3	129139	1 1/2	139996	1 1/2	150847	1 1/2	161705	1 1/2	172559	1 1/2	183416	1 1/2	194273	1 1/2	205130	1 1/2	215926	1 1/2	226879
4	129365	2	140222	2	151067	2	161922	2	172806	2	183663	2	194520	2	205377	2	216083	2	227132
5	129591	2 1/2	140448	2 1/2	151281	2 1/2	162136	2 1/2	173090	2 1/2	183947	2 1/2	194804	2 1/2	205651	2 1/2	216289	2 1/2	227357
6	129817	3	140674	3	151495	3	162350	3	173304	3	184161	3	195018	3	205975	3	216496	3	227514
7	130043	3 1/2	140900	3 1/2	151709	3 1/2	162564	3 1/2	173518	3 1/2	184375	3 1/2	195232	3 1/2	206132	3 1/2	216703	3 1/2	227671
8	130269	4	141127	4	151923	4	162778	4	173732	4	184581	4	195440	4	206289	4	216910	4	227828
9	130496	4 1/2	141353	4 1/2	152137	4 1/2	162992	4 1/2	173946	4 1/2	184799	4 1/2	195647	4 1/2	206446	4 1/2	217117	4 1/2	227985
10	130722	5	141579	5	152351	5	163206	5	174150	5	185003	5	195852	5	206595	5	217324	5	228142
11	130948	5 1/2	141805	5 1/2	152565	5 1/2	163420	5 1/2	174364	5 1/2	185217	5 1/2	196066	5 1/2	206748	5 1/2	217533	5 1/2	228300
12	131174	6	142031	6	152779	6	163634	6	174578	6	185431	6	196275	6	206901	6	217744	6	228457
13	131400	6 1/2	142258	6 1/2	152993	6 1/2	163848	6 1/2	174792	6 1/2	185645	6 1/2	196489	6 1/2	207054	6 1/2	217955	6 1/2	228614
14	131627	7	142484	7	153207	7	164062	7	175006	7	185853	7	196698	7	207209	7	218166	7	228771
15	131853	7 1/2	142710	7 1/2	153421	7 1/2	164276	7 1/2	175220	7 1/2	186067	7 1/2	196812	7 1/2	207364	7 1/2	218377	7 1/2	228928
16	132079	8	142936	8	153635	8	164490	8	175434	8	186271	8	197017	8	207519	8	218583	8	229085
17	132305	8 1/2	143162	8 1/2	153849	8 1/2	164704	8 1/2	175648	8 1/2	186485	8 1/2	197172	8 1/2	207674	8 1/2	218790	8 1/2	229242
18	132531	9	143388	9	154063	9	164918	9	175862	9	186701	9	197377	9	207829	9	218996	9	229399
19	132758	9 1/2	143615	9 1/2	154277	9 1/2	165132	9 1/2	176076	9 1/2	186913	9 1/2	197582	9 1/2	207984	9 1/2	219202	9 1/2	229556
20	132984	10	143841	10	154491	10	165346	10	176280	10	187127	10	197787	10	208139	10	219408	10	229713
21	133210	10 1/2	144067	10 1/2	154705	10 1/2	165560	10 1/2	176484	10 1/2	187331	10 1/2	197992	10 1/2	208294	10 1/2	219614	10 1/2	229870
22	133436	11	144293	11	154919	11	165774	11	176692	11	187537	11	198197	11	208449	11	219820	11	230027
23	133662	11 1/2	144519	11 1/2	155133	11 1/2	165988	11 1/2	176896	11 1/2	187691	11 1/2	198302	11 1/2	208604	11 1/2	220026	11 1/2	230184
24	133889	12	144746	12	155347	12	166202	12	177094	12	187895	12	198407	12	208759	12	220181	12	230341
25	134115	12 1/2	144972	12 1/2	155561	12 1/2	166416	12 1/2	177292	12 1/2	188093	12 1/2	198512	12 1/2	208914	12 1/2	220337	12 1/2	230498
26	134341	13	145198	13	155775	13	166630	13	177490	13	188291	13	198623	13	209069	13	220493	13	230655
27	134567	13 1/2	145424	13 1/2	155989	13 1/2	166844	13 1/2	177688	13 1/2	188495	13 1/2	198734	13 1/2	209224	13 1/2	220598	13 1/2	230812
28	134793	14	145650	14	156203	14	167058	14	177886	14	188697	14	198887	14	209379	14	220653	14	230969
29	135019	14 1/2	145877	14 1/2	156417	14 1/2	167272	14 1/2	178084	14 1/2	188903	14 1/2	199032	14 1/2	209534	14 1/2	220758	14 1/2	231126
30	135246	15	146103	15	156631	15	167486	15	178282	15	189111	15	199181	15	209689	15	220813	15	231283
31	135472	15 1/2	146329	15 1/2	156845	15 1/2	167699	15 1/2	178478	15 1/2	189321	15 1/2	199290	15 1/2	209844	15 1/2	220918	15 1/2	231440
32	135698	16	146555	16	157059	16	167913	16	178674	16	189485	16	199400	16	209999	16	221073	16	231597
33	135924	16 1/2	146781	16 1/2	157273	16 1/2	168126	16 1/2	178866	16 1/2	189597	16 1/2	199509	16 1/2	210154	16 1/2	221178	16 1/2	231754
34	136150	17	147008	17	157487	17	168339	17	179056	17	189709	17	199618	17	210309	17	221233	17	231911
35	136377	17 1/2	147234	17 1/2	157699	17 1/2	168552	17 1/2	179244	17 1/2	189821	17 1/2	199727	17 1/2	210464	17 1/2	221288	17 1/2	232068
36	136603	18	147460	18	157913	18	168765	18	179430	18	190033	18	199836	18	210619	18	221343	18	232225
37	136829	18 1/2	147686	18 1/2	158127	18 1/2	168978	18 1/2	179618	18 1/2	190141	18 1/2	199945	18 1/2	210774	18 1/2	221398	18 1/2	232382
38	137055	19	147912	19	158341	19	169191	19	179806	19	190255	19	199954	19	210929	19	221453	19	232539
39	137281	19 1/2	148138	19 1/2	158555	19 1/2	169404	19 1/2	180000	19 1/2	190364	19 1/2	200063	19 1/2	211084	19 1/2	221508	19 1/2	232696
40	137508	20	148365	20	158769	20	169618	20	180194	20	190473	20	200172	20	211239	20	221563	20	232853
41	137734	20 1/2	148591	20 1/2	158983	20 1/2	169831	20 1/2	180384	20 1/2	190581	20 1/2	200281	20 1/2	211394	20 1/2	221618	20 1/2	233010
42	137960	21	148817	21	159197	21	170044	21	180574	21	190690	21	200390	21	211549	21	221673	21	233167
43	138186	21 1/2	149043	21 1/2	159411	21 1/2	170257	21 1/2	180766	21 1/2	190799	21 1/2	200499	21 1/2	211704	21 1/2	221728	21 1/2	233324
44	138412	22	149269	22	159625	22	170470	22	180958	22	190907	22	200608	22	211859	22	221783	22	233481
45	138639	22 1/2	149496	22 1/2	159839	22 1/2	170683	22 1/2	181150	22 1/2	191016	22 1/2	200717	22 1/2	212014	22 1/2	221838	22 1/2	233638
46	138865	23	149722	23	160053	23	170896	23	181342	23	191125	23	200826	23	212169	23	221893	23	233795
47	139091	23 1/2	149948	23 1/2	160267	23 1/2	171109	23 1/2	181524	23 1/2	191234	23 1/2	200935	23 1/2	212324	23 1/2	221948	23 1/2	233952

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