



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

Certification Date: 30 Jul 2025

Expiration Date: 30 Jul 2030

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 4	512519			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	15Dec1968		R-860	R-860		R-194.8
UNITED STATES			I-	I-		I-0
Owner	Operator					
CHEM CARRIERS LLC 1237 HIGHWAY 75 SUNSHINE, LA 70780 UNITED STATES	CHEM CARRIERS LLC 1237 HIGHWAY 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---						
This vessel has been granted a fresh water service examination interval per 46 CFR 31.10-21(a)(2). 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 per 46 CFR 31.10-21(a)(1) 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 Baton Rouge, LA, UNITED STATES, the Officer in Charge, Marine Inspection, New Orleans, LA 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:		
Date	Zone	A/P/R	Signature	J. J. SCOTT LCDR, USCG, by direction		
				Officer in Charge, Marine Inspection		
				New Orleans, LA		
				Inspection Zone		



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Vessel Name: CCL 4

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Mar2030	02Mar2020	20Nov2012
Internal Structure	31Jul2030	03Jul2025	02Mar2020

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

Authorization: GRADE A AND LOWER AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10753	Barrel	A	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	629	13.60
2 C/L	634	13.60
3 C/L	634	13.60

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	1808	11ft 0in	13.50	Rivers
III	1685	10ft 5in	8.70	Lakes, Bays, and Sounds
III	1632	10ft 2in	13.50	Lakes, Bays, and Sounds
III	1650	10ft 3in	12.70	Lakes, Bays, and Sounds

Conditions Of Carriage

Only those hazardous cargoes named in the vessel's Cargo Authority Attachment, Serial No. C1-2001371 dated April 10, 2020, may be carried and only in the tanks indicated.

In accordance with 46 CFR Part 39, excluding part 39.4000 and 39.5000, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letter Serial No. C2-9905891 dated November 23, 1999, and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

Per 46 CFR 150.130, the person in charge of the vessel is responsible for ensuring 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 reactive group number from the "Compat Group No" column is 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.

Stability and Trim

Per 46 CFR 151.10(c)(2), the maximum tank weights listed above reflect uniform(within 5%) loading at the deepest draft allowed. When carrying Subchapter "O" cargoes at shallower drafts, the barge should always be loaded uniformly.



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Oil Prohibition – No 40-year Mid-Body Regauging Survey

This vessel does not meet the mid-body regauging survey requirements of 46 CFR 31.10-21a (b)(2)(i) and is prohibited from carrying pollution category I oils listed in 46 CFR Table 30.25-1.

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 C/L	20Nov2012	18Mar2020	31Mar2030	-	-	-
2 C/L	20Nov2012	18Mar2020	31Mar2030	-	-	-
3 C/L	20Nov2012	18Mar2020	31Mar2030	-	-	-

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



Department of Homeland Security
United States Coast Guard

Serial #: C1-2001371

Dated: 10-Apr-20

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CCL-4
Official #: 512519

Shipyard: Jeffboat
Hull #: 2034

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	1-3C	13.6	Atmos.	Amb.	III	1ii 2ii	Integral Gravity	PV	Open	II	G-1	NR	NA	Portable	40-1(f)(1), .50-60, .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	No

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'l's of	Insp. Period
							App'd (Y or N)	VCS Category		

Authorized Subchapter O Cargoes

Olefins (C13+, all isomers)	OFZ	30	D/O	E	III	A	Yes	1		G
Sodium acetate solution	SAN	34	D/O	3	#	A	No	N/A		
Alkyl (C7-C9) nitrates	AKN	34 ²	O	NA	III	A	No	N/A	.50-81, .50-86	G
Aminoethyl ethanolamine	AEE	8	O	E	III	A	Yes	1	.55-1(b)	G
Ammonium bisulfite solution (70% or less)	ABX	43 ²	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)	G
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	Yes	1	.55-1(h)	G
Carbon tetrachloride	CBT	36	O	NA	III	A	Yes	3	No	G
Caustic potash solution	CPS	5 ²	O	NA	III	A	No	N/A	.50-73, .55-1(j)	G
Caustic soda solution	CSS	5 ²	O	NA	III	A	No	N/A	.50-73, .55-1(j)	G
Chlorobenzene	CRB	36	O	D	III	A	Yes	1	No	G
Chloroform	CRF	36	O	NA	III	A	Yes	3	No	G
Creosote	CCW	21 ²	O	E	III	A	Yes	1	No	G
Cresols (all isomers)	CRS	21	O	E	III	A	Yes	1	No	G
Cresylic acid tar	CRX	21	O	E	III	A	Yes	1	.55-1(f)	G
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	O	D	III	A	Yes	1	.50-60, .56-1(b)	G
iso-Decyl acrylate	IAI	14	O	E	III	A	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)	G
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	E	III	A	No	N/A	.56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 ²	O	E	III	A	No	N/A	.56-1(a), (b), (c), (g)	G
Diethanolamine	DEA	8	O	E	III	A	Yes	1	.55-1(c)	G
Diethylenetriamine	DET	7 ²	O	E	III	A	Yes	1	.55-1(c)	G
Diisopropanolamine	DIP	8	O	E	III	A	Yes	1	.55-1(c)	G
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	O	E	III	A	No	N/A	.56-1(b)	G
Ethanolamine	MEA	8	O	E	III	A	Yes	1	.55-1(c)	G
Ethylene cyanohydrin	ETC	20	O	E	III	A	Yes	1	No	G
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No	G
Ethylene glycol propyl ether	EGP	40	O	E	III	A	Yes	1	No	G
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	Yes	2	.50-70(a), .50-81(a), (b)	G
Glutaraldehyde solutions (50% or less)	GTA	19	O	NA	III	A	No	N/A	No	G
Isoprene	IPR	30	O	A	III	A	No	N/A	.50-70(a), .50-81(a), (b)	G
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)	G
Methyl diethanolamine	MDE	8	O	E	III	A	Yes	1	.56-1(b), (c)	G
2-Methyl-5-ethyl pyridine	MEP	9	O	E	III	A	Yes	1	.55-1(e)	G
Morpholine	MPL	7 ²	O	D	III	A	Yes	1	.55-1(c)	G

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CCL-4

Official #: 512519

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Shipyard: Jeffboat

Hull #: 2034

Cargo Identification						Conditions of Carriage				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction	Insp. Period
Polyethylene polyamines	PEB	7 ²	O	E	III	A	Yes	1	.55-1(e)	G
iso-Propanolamine	MPA	8	O	E	III	A	Yes	1	.55-1(c)	G
Propanolamine (iso-, n-)	PAX	8	O	E	III	A	Yes	1	.56-1(b), (c)	G
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP	5	O		III	A	No	N/A	.50-73, .55-1(j)	G
Sodium aluminate solution (45% or less)	SAU	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)	G
Sodium chlorate solution (50% or less)	SDD	0 ^{1,2}	O	NA	III	A	No	N/A	.50-73	G
Sodium sulfide, hydrosulfide solution (H ₂ S 15 ppm or less)	SSH	0 ^{1,2}	O	NA	III	A	Yes	1	.50-73, .55-1(b)	G
Styrene monomer	STY	30	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)	G
Tetraethylene pentamine	TTP	7	O	E	III	A	Yes	1	.55-1(c)	G
Triethanolamine	TEA	8 ²	O	E	III	A	Yes	1	.55-1(b)	G
Triethylenetetramine	TET	7 ²	O	E	III	A	Yes	1	.55-1(b)	G
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	N/A	.56-1(a), (b), (c)	G
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c)	G
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)	G
Vinyl acetate	VAM	13	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)	G
Vinyl neodecanoate	VND	13	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b)	G

Subchapter D Cargoes Authorized for Vapor Control

Acetone	ACT	18 ²	D	C		A	Yes	1
Acetophenone	ACP	18	D	E		A	Yes	1
Alcohol (C12-C16) poly(20+) ethoxylates	APW	20	D	E		A	Yes	1
Alcohol (C6-C17) (secondary) poly(3-6) ethoxylates	AEA	20	D	E		A	Yes	1
Alcohol (C6-C17) (secondary) poly(7-12) ethoxylates	AEB	20	D	E		A	Yes	1
Amyl acetate (all isomers)	AEC	34	D	D		A	Yes	1
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D		A	Yes	1
Benzyl acetate	BZE	34	D	E		A	Yes	1
Benzyl alcohol	BAL	21	D	E		A	Yes	1
Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFY	20	D	E		A	Yes	1
Butyl acetate (all isomers)	BAX	34	D	D		A	Yes	1
Isobutyl alcohol	IAL	20 ²	D	D		A	Yes	1
Butyl alcohol (n-)	BAN	20 ²	D	D		A	Yes	1
Butyl alcohol (sec-)	BAS	20 ²	D	C		A	Yes	1
Butyl alcohol (tert-)	BAT	20 ²	D	C		A	Yes	1
Butyl benzyl phthalate	BPH	34	D	E		A	Yes	1
Butyl toluene	BUE	32	D	D		A	Yes	1
Caprolactam solutions	CLS	22	D	E		A	Yes	1
Cycloheptane	CYE	31	D	C		A	Yes	1
Cyclohexane	CHX	31	D	C		A	Yes	1
Cyclohexanol	CHN	20	D	E		A	Yes	1
Cyclohexyl acetate	CYC	34	D	D		A	Yes	1
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		A	Yes	2
Cyclopentane	CYP	31	D	B		A	Yes	1

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Hull #: 2034

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	Insp. Period
							App'd (Y or N)	VCS Category		
p-Cymene	CMP	32	D	D		A	Yes	1		
iso-Decaldehyde	IDA	19	D	E		A	Yes	1		
n-Decaldehyde	DAL	19	D	E		A	Yes	1		
Decanoic acid	DCO	4	D	#		A	Yes	1		
Decene	DCE	30	D	D		A	Yes	1		
Decyl alcohol (all isomers)	DAX	20 ²	D	E		A	Yes	1		
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		A	Yes	1		
Diacetone alcohol	DAA	20 ²	D	D		A	Yes	1		
Dibutyl phthalate	DPA	34	D	E		A	Yes	1		
Diethylbenzene	DEB	32	D	D		A	Yes	1		
Diethylene glycol	DEG	40 ²	D	E		A	Yes	1		
Diisobutylene	DBL	30	D	C		A	Yes	1		
Diisobutyl ketone	DIK	18	D	D		A	Yes	1		
Diisopropylbenzene (all isomers)	DIX	32	D	E		A	Yes	1		
Dimethyl phthalate	DTL	34	D	E		A	Yes	1		
Dioctyl phthalate	DOP	34	D	E		A	Yes	1		
Dipentene	DPN	30	D	D		A	Yes	1		
Diphenyl	DIL	32	D	D/E		A	Yes	1		
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		A	Yes	1		
Diphenyl ether	DPE	41	D	{E}		A	Yes	1		
Dipropylene glycol	DPG	40	D	E		A	Yes	1		
Distillates: Flashed feed stocks	DFF	33	D	E		A	Yes	1		
Distillates: Straight run	DSR	33	D	E		A	Yes	1		
Dodecene (all isomers)	DOZ	30	D	D		A	Yes	1		
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	E		A	Yes	1		
2-Ethoxyethyl acetate	EEA	34	D	D		A	Yes	1		
Ethoxy triglycol (crude)	ETG	40	D	E		A	Yes	1		
Ethyl acetate	ETA	34	D	C		A	Yes	1		
Ethyl acetoacetate	EAA	34	D	E		A	Yes	1		
Ethyl alcohol	EAL	20 ²	D	C		A	Yes	1		
Ethylbenzene	ETB	32	D	C		A	Yes	1		
Ethyl butanol	EBT	20	D	D		A	Yes	1		
Ethyl tert-butyl ether	EBE	41	D	C		A	Yes	1		
Ethyl butyrate	EBR	34	D	D		A	Yes	1		
Ethyl cyclohexane	ECY	31	D	D		A	Yes	1		
Ethylene glycol	EGL	20 ²	D	E		A	Yes	1		
Ethylene glycol butyl ether acetate	EMA	34	D	E		A	Yes	1		
Ethylene glycol diacetate	EGY	34	D	E		A	Yes	1		
Ethylene glycol phenyl ether	EPE	40	D	E		A	Yes	1		
Ethyl-3-ethoxypropionate	EEP	34	D	D		A	Yes	1		

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2-Ethylhexanol	EHX	20	D	E		A	Yes	1		
Ethyl propionate	EPR	34	D	C		A	Yes	1		
Ethyl toluene	ETE	32	D	D		A	Yes	1		
Formamide	FAM	10	D	E		A	Yes	1		
Furfuryl alcohol	FAL	20 ²	D	E		A	Yes	1		
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		A	Yes	1		
Gasoline blending stocks: Reformates	GRF	33	D	A/C		A	Yes	1		
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	C		A	Yes	1		
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	C		A	Yes	1		
Gasolines: Casinghead (natural)	GCS	33	D	A/C		A	Yes	1		
Gasolines: Polymer	GPL	33	D	A/C		A	Yes	1		
Gasolines: Straight run	GSR	33	D	A/C		A	Yes	1		
Glycerine	GCR	20 ²	D	E		A	Yes	1		
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	C		A	Yes	1		
n-Heptanoic acid	HEN	4	D	E		A	Yes	1		
Heptanol (all isomers)	HTX	20	D	D/E		A	Yes	1		
Heptene (all isomers)	HPX	30	D	C		A	Yes	2		
Heptyl acetate	HPE	34	D	E		A	Yes	1		
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	D	B/C		A	Yes	1		
Hexanoic acid	HXO	4	D	E		A	Yes	1		
Hexanol	HXN	20	D	D		A	Yes	1		
Hexene (all isomers)	HEX	30	D	C		A	Yes	2		
Hexylene glycol	HXG	20	D	E		A	Yes	1		
Isophorone	IPH	18 ²	D	E		A	Yes	1		
Jet fuel: JP-4	JPF	33	D	E		A	Yes	1		
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		A	Yes	1		
Kerosene	KRS	33	D	D		A	Yes	1		
Methyl acetate	MTT	34	D	D		A	Yes	1		
Methyl alcohol	MAL	20 ²	D	C		A	Yes	1		
Methylamyl acetate	MAC	34	D	D		A	Yes	1		
Methylamyl alcohol	MAA	20	D	D		A	Yes	1		
Methyl amyl ketone	MAK	18	D	D		A	Yes	1		
Methyl tert-butyl ether	MBE	41 ²	D	C		A	Yes	1		
Methyl butyl ketone	MBK	18	D	C		A	Yes	1		
Methyl butyrate	MBU	34	D	C		A	Yes	1		
Methylcyclohexane	MCY	31	D	C		A	Yes	1		
Methyl ethyl ketone	MEK	18 ²	D	C		A	Yes	1		
Methyl heptyl ketone	MHK	18	D	D		A	Yes	1		
Methyl isobutyl ketone	MIK	18 ²	D	C		A	Yes	1		
Mineral spirits	MNS	33	D	D		A	Yes	1		

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							App'd (Y or N)	VCS Category		
Myrcene	MRE	30	D	D		A	Yes	1		
Naphtha: Heavy	NAG	33	D	#		A	Yes	1		
Naphtha: Petroleum	PTN	33	D	#		A	Yes	1		
Naphtha: Solvent	NSV	33	D	D		A	Yes	1		
Naphtha: Stoddard solvent	NSS	33	D	D		A	Yes	1		
Naphtha: Varnish makers and painters (75%)	NVM	33	D	C		A	Yes	1		
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		A	Yes	1		
Nonene (all isomers)	NON	30	D	D		A	Yes	2		
Nonyl alcohol (all isomers)	NNS	20 ²	D	E		A	Yes	1		
Nonyl phenol	NNP	21	D	E		A	Yes	1		
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		A	Yes	1		
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	C		A	Yes	1		
Octanoic acid (all isomers)	OAY	4	D	E		A	Yes	1		
Octanol (all isomers)	OCX	20 ²	D	E		A	Yes	1		
Octene (all isomers)	OTX	30	D	C		A	Yes	2		
Oil, fuel: No. 2	OTW	33	D	D/E		A	Yes	1		
Oil, fuel: No. 2-D	OTD	33	D	D		A	Yes	1		
Oil, fuel: No. 4	OFR	33	D	D/E		A	Yes	1		
Oil, fuel: No. 6	OSX	33	D	E		A	Yes	1		
Oil, misc: Crude	OIL	33	D	A/D		A	Yes	1		
Oil, misc: Diesel	ODS	33	D	D/E		A	Yes	1		
Oil, misc: Gas, high pour	OGP	33	D	E		A	Yes	1		
Oil, misc: Lubricating	OLB	33	D	E		A	Yes	1		
Oil, misc: Residual	ORL	33	D	E		A	Yes	1		
Oil, misc: Turbine	OTB	33	D	E		A	Yes	1		
n-Pentyl propionate	PPE	34	D	D		A	Yes	1		
alpha-Pinene	PIO	30	D	D		A	Yes	1		
beta-Pinene	PIP	30	D	D		A	Yes	1		
Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether	PAG	40	D	E		A	Yes	1		
Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether acetate	PAF	34	D	E		A	Yes	1		
Polybutene	PLB	30	D	E		A	Yes	1		
Polypropylene glycol	PGC	40	D	E		A	Yes	1		
Isopropyl acetate	IAC	34	D	C		A	Yes	1		
n-Propyl acetate	PAT	34	D	C		A	Yes	1		
Isopropyl alcohol	IPA	20 ^{2,3}	D	C		A	Yes	1		
n-Propyl alcohol	PAL	20 ²	D	C		A	Yes	1		
Propylbenzene (all isomers)	PBY	32	D	D		A	Yes	1		
Isopropylcyclohexane	IPX	31	D	D		A	Yes	1		
Propylene glycol	PPG	20 ²	D	E		A	Yes	1		
Propylene glycol methyl ether acetate	PGN	34	D	D		A	Yes	1		

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



Department of Homeland Security
United States Coast Guard

Serial #: C1-2001371

Dated: 10-Apr-20

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CCL-4

Shipyard: Jeffboat

Official #: 512519

Page 6 of 7

Hull #: 2034

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	Insp. Period
							App'd (Y or N)	VCS Category		
Propylene tetramer	PTT	30	D	D		A	Yes	1		
Sulfolane	SFL	39	D	E		A	Yes	1		
Tetraethylene glycol	TTG	40	D	E		A	Yes	1		
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1		
Toluene	TOL	32	D	C		A	Yes	1		
Tricresyl phosphate (containing less than 1% ortho isomer)	TCP	34	D	E		A	Yes	1		
Triethylbenzene	TEB	32	D	E		A	Yes	1		
Triethylene glycol	TEG	40	D	E		A	Yes	1		
Triethyl phosphate	TPS	34	D	E		A	Yes	1		
Trimethylbenzene (all isomers)	TRE	32	D	{D}		A	Yes	1		
Trixylyl phosphate	TRP	34	D	E		A	Yes	1		
1-Undecene	UDC	30	D	D/E		A	Yes	1		
1-Undecyl alcohol	UND	20	D	E		A	Yes	1		
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		A	Yes	1		



Department of Homeland Security
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Serial #: C1-2001371

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CCL-4

Official #: 512519

Page 7 of 7

Shipyard: Jeffboat

Hull #: 2034

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.
Compatability 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 additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 372-1425.
Note 2	See Appendix I to 46 CFR Part 150 - exceptions to the compatibility chart.
Subchapter Subchapter D Subchapter O Note 3	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified. Those flammable and combustible liquids listed in 46 CFR Table 30.25-1. 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 D, E Note 4	Flammable liquid cargoes, as defined in 46 CFR 30-10.22. Combustible liquid cargoes, as defined in 46 CFR 30-10.15. 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 I II III NA	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1. 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). Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3). Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4). 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.

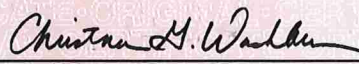


UNITED STATES OF AMERICA

DEPARTMENT OF HOMELAND SECURITY UNITED STATES COAST GUARD

NATIONAL VESSEL DOCUMENTATION CENTER

CERTIFICATE OF DOCUMENTATION

VESSEL NAME CCL 4		OFFICIAL NUMBER 512519	IMO OR OTHER NUMBER 2034	YEAR COMPLETED 1968	
HAILING PORT NEW ORLEANS LA		HULL MATERIAL STEEL		MECHANICAL PROPULSION NO	
GROSS TONNAGE 860 GRT	NET TONNAGE 860 NRT	LENGTH 194.8	BREADTH 35.0	DEPTH 10.7	
PLACE BUILT JEFFERSONVILLE IN					
OWNERS CHEM CARRIERS LLC COMPRISED OF ONE MEMBER		OPERATIONAL ENDORSEMENTS COASTWISE			
MANAGING OWNER CHEM CARRIERS LLC 1237 HIGHWAY 75 SUNSHINE LA 70780					
RESTRICTIONS NONE					
ENTITLEMENTS NONE					
REMARKS NONE					
ISSUE DATE JULY 10, 2025					
THIS CERTIFICATE EXPIRES AUGUST 31, 2026		 DIRECTOR, NATIONAL VESSEL DOCUMENTATION CENTER			



Certificate of Financial Responsibility (COFR)<https://www.uscg.mil/Mariners/National-Pollution-Funds-Center/COFRs/ECOFR-Active-Vessel-Status/>

Updated: 04/10/2025 14:00

Vessel Name	Vin	Vessel Type Code	Vsl Vessel Type Desc	Gross Tonnage	Case Control Id	Case- Examiner Id	Case- Operator Name	Effective Date	Expiration Date	Insurance Cancel Flag
CCL 1	D518612	50	TANKBARGE	812	841310	22	CHEM CARRIERS, L.L.C	9/2/2022 12:00:00 AM	9/2/2025 12:00:00 AM	
CCL 2	D510107	50	TANKBARGE	855	841310	22	CHEM CARRIERS, L.L.C	6/23/2023 12:00:00 AM	6/23/2026 12:00:00 AM	
CCL 3	D296363	50	TANKBARGE	822	841310	22	CHEM CARRIERS, L.L.C	10/3/2023 12:00:00 AM	10/3/2026 12:00:00 AM	
CCL 4	D512519	50	TANKBARGE	860	841310	22	CHEM CARRIERS, L.L.C	4/7/2025 4:00:00 AM	4/7/2028 12:00:00 AM	
CCL 5	D512520	50	TANKBARGE	860	841310	22	CHEM CARRIERS, L.L.C	12/6/2022 12:00:00 AM	12/6/2025 12:00:00 AM	
CCL 6	D530996	50	TANKBARGE	798	841310	22	CHEM CARRIERS, L.L.C	1/26/2025 5:00:00 AM	1/26/2028 12:00:00 AM	
CCL 7	D551980	50	TANKBARGE	773	841310	22	CHEM CARRIERS, L.L.C	11/27/2023 12:00:00 AM	11/27/2026 12:00:00 AM	
CCL 8	D551982	50	TANKBARGE	773	841310	22	CHEM CARRIERS, L.L.C	9/27/2022 12:00:00 AM	9/27/2025 12:00:00 AM	
CCL 9	D551983	50	TANKBARGE	773	841310	22	CHEM CARRIERS, L.L.C	2/19/2023 12:00:00 AM	2/19/2026 12:00:00 AM	
CCL 10	D551979	50	TANKBARGE	773	841310	22	CHEM CARRIERS, L.L.C	12/12/2023 12:00:00 AM	12/12/2026 12:00:00 AM	
CCL 11	D551976	50	TANKBARGE	773	841310	22	CHEM CARRIERS, L.L.C	9/29/2022 12:00:00 AM	9/29/2025 12:00:00 AM	
CCL 14	D4497784	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	9/22/2022 12:00:00 AM	9/22/2025 12:00:00 AM	
CCL 15	D1164452	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	3/1/2024 12:00:00 AM	3/1/2027 12:00:00 AM	
CCL 16	D1164666	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	9/14/2024 12:00:00 AM	9/14/2027 12:00:00 AM	
CCL 17	D1166179	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	1/31/2023 12:00:00 AM	1/31/2026 12:00:00 AM	
CCL 18	D1168981	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	7/1/2023 12:00:00 AM	7/1/2026 12:00:00 AM	
CCL 19	D1168980	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	8/24/2023 12:00:00 AM	8/24/2026 12:00:00 AM	
CCL 20	D1191598	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	2/27/2025 5:00:00 AM	2/27/2028 12:00:00 AM	
CCL 21	D1191599	50	TANKBARGE	793	841310	22	CHEM CARRIERS, L.L.C	2/26/2025 5:00:00 AM	2/26/2028 12:00:00 AM	
CCL 22	D1191600	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	1/13/2025 5:00:00 AM	1/13/2028 12:00:00 AM	
CCL 23	D1191601	50	TANKBARGE	793	841310	22	CHEM CARRIERS, L.L.C	4/20/2025 4:00:00 AM	4/20/2028 12:00:00 AM	
CCL 24	D1196547	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	8/11/2023 12:00:00 AM	8/11/2026 12:00:00 AM	
CCL 25	D1196548	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	8/11/2023 12:00:00 AM	8/11/2026 12:00:00 AM	
CCL 26	D1203816	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	2/11/2025 5:00:00 AM	2/11/2028 12:00:00 AM	
CCL 27	D1203817	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	5/3/2024 12:00:00 AM	5/3/2027 12:00:00 AM	
CCL 28	D1212828	50	TANKBARGE	793	841310	22	CHEM CARRIERS, L.L.C	9/9/2023 12:00:00 AM	9/9/2026 12:00:00 AM	
CCL 29	D1212829	50	TANKBARGE	793	841310	22	CHEM CARRIERS, L.L.C	9/22/2023 12:00:00 AM	9/22/2026 12:00:00 AM	
CCL 30	D1305871	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	10/1/2023 12:00:00 AM	10/1/2026 12:00:00 AM	
CCL 31	D1305870	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	10/1/2023 12:00:00 AM	10/1/2026 12:00:00 AM	
CCL 32	D1305869	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	11/13/2023 12:00:00 AM	11/13/2026 12:00:00 AM	
CCL 33	D1305868	50	TANKBARGE	735	841310	22	CHEM CARRIERS, L.L.C	11/13/2023 12:00:00 AM	11/13/2026 12:00:00 AM	
CCL 401	D1216671	50	TANKBARGE	2001	841310	22	CHEM CARRIERS, L.L.C	4/13/2024 12:00:00 AM	4/13/2027 12:00:00 AM	
CCL 402	D1219910	50	TANKBARGE	1754	841310	22	CHEM CARRIERS, L.L.C	4/29/2024 12:00:00 AM	4/29/2027 12:00:00 AM	
CCL 403	D1231311	50	TANKBARGE	1691	841310	22	CHEM CARRIERS, L.L.C	2/8/2023 12:00:00 AM	2/8/2026 12:00:00 AM	
CCL 404	D1231312	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	2/23/2023 12:00:00 AM	2/23/2026 12:00:00 AM	
CCL 405	D1236867	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	1/1/2024 12:00:00 AM	1/1/2027 12:00:00 AM	
CCL 406	D1236866	50	TANKBARGE	1691	841310	22	CHEM CARRIERS, L.L.C	1/27/2024 12:00:00 AM	1/27/2027 12:00:00 AM	
CCL 407	D1246320	50	TANKBARGE	1754	841310	22	CHEM CARRIERS, L.L.C	8/22/2022 12:00:00 AM	8/22/2025 12:00:00 AM	
CCL 408	D1246097	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	8/7/2022 12:00:00 AM	8/7/2025 12:00:00 AM	
CCL 409	D1246098	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	10/2/2022 12:00:00 AM	10/2/2025 12:00:00 AM	
CCL 410	D1255906	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	9/3/2023 12:00:00 AM	9/3/2026 12:00:00 AM	
CCL 411	D1255907	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	9/25/2023 12:00:00 AM	9/25/2026 12:00:00 AM	
CCL 414-L	D1262941	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	9/23/2024 4:00:00 AM	9/23/2027 12:00:00 AM	
CCL 415-T	D1262942	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	9/28/2024 4:00:00 AM	9/28/2027 12:00:00 AM	
CCL 416-T	D1264691	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	1/20/2025 5:00:00 AM	1/20/2028 12:00:00 AM	
CCL 417-T	D1298307	50	TANKBARGE	1769	841310	22	CHEM CARRIERS, L.L.C	1/27/2023 12:00:00 AM	1/27/2026 12:00:00 AM	
CCL 418-L	D1306896	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	11/13/2023 12:00:00 AM	11/13/2026 12:00:00 AM	
CCL 419-L	D1306897	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	1/5/2024 12:00:00 AM	1/5/2027 12:00:00 AM	
CCL 420-T	D1348560	50	TANKBARGE	1619	841310	22	CHEM CARRIERS, L.L.C	2/12/2025 5:00:00 AM	2/12/2028 12:00:00 AM	
AX 3202	D1089031	50	TANKBARGE	1754	841310	22	CHEM CARRIERS, L.L.C	6/11/2024 4:00:00 AM	6/11/2027 12:00:00 AM	
MERLIN BANTA	D249614	51	TUG AND TOWBOAT	384	841310	22	CHEM CARRIERS, L.L.C	11/24/2024 5:00:00 AM	11/24/2027 12:00:00 AM	

T.T. 237, LLC

Specializing in Gas Freeing, Cleaning and Repairs
5190 North River Road, Port Allen, Louisiana 70767
Phone: (225) 473-8222 Fax: (225) 473-2199

Pipeline Test Letter

Date: 7/30/25

To Whom It May Concern:

The cargo pipeline and relief valve as required by 33CRH156.170, on tank barge

CCL 4 located at T.T. 237, was tested on 7/30/25 at 188psi.

- Pressure gauge was found to be operating.
- The relief valve functioned as required.
- The steam piping system was tested at 125 psi.
- The steam system relief valve functioned as required.

Signature of Tester: Joey Jones



Cargo Piping Test Letter

Note: Test results are valid for (1) year from date of test!

Date:	<u>1/24/2025</u>	M.A.W.P.	<u>125 psi</u>
Vessel:	<u>CCL-4</u>	Method of Test:	<u>AIR</u>
Owner:	<u>Chem Carriers, LLC</u>	Testing Location:	<u>VLS Marine Services Plaquemine</u>
Address:	<u>1237 HWY 75</u> <u>Sunshine, LA 70708</u>	Physical Address:	<u>1070 River Rd</u> <u>Sunshine, LA 70780</u>

TRANSFER SYSTEM TESTING DATA

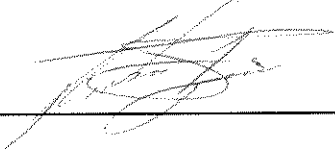
**** Fill out completely. Write N/A on any non-applicable line. ****

Date:	Barge Piping:	Results	Note:
<u>1/24/2025</u>	<u>Cargo piping & valves</u>	<u>188</u> p.s.i	
<u>1/24/2025</u>	<u>Cargo pressure gauges</u>	<u>98</u> % accurate	
<u>n/a</u>	<u>Steam piping & valves</u>	<u>n/a</u> p.s.i	

Note: Test each pressure gauges annually, accurate within 10 percent. Test each remote controlled operating or indicating equipment such as remotely operated valve, tank alarm, or emergency shutdown device. 33 CFR 156.170(c)(2) & 46 CFR 35.35-70(b)

SIGNATURES

I credit that the tests contained herein were conducted in compliance with 33 CFR 156.170, 46 CFR 35.35-70.

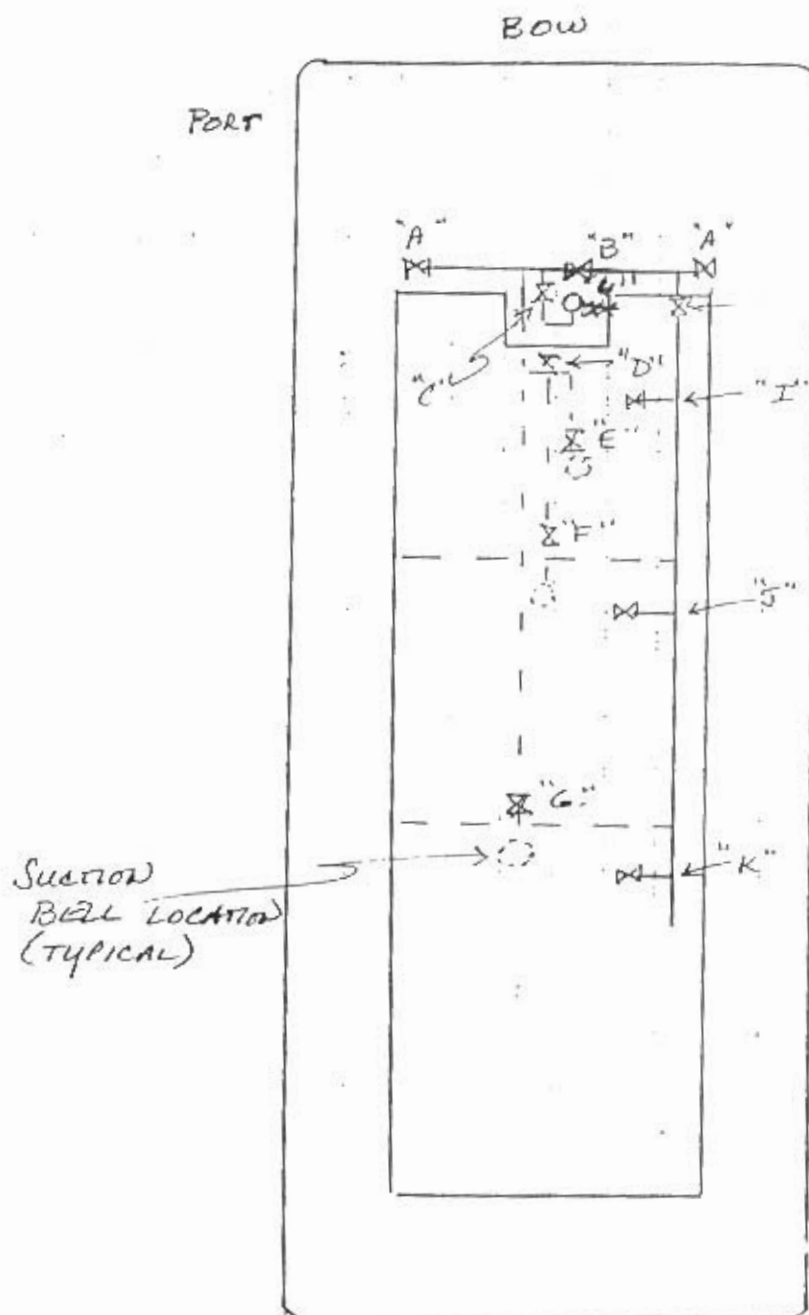
Tester name:	<u>RICARDO SICARDO</u>
Tester signature:	

VLS Recovery Services

Committed to providing the most reliable, efficient, and cost-effective recovery services for waste management, railcar cleaning, marine cleaning, marine repairs & industrial cleaning

T/B CCL-4"

PIPELINE SCHEMATIC



Suction
Bell Location
(Typical)

- "A": TRANSVERSE
HEADER VALVE
- "B": CROSS OVER
BLOCK VALVE
- "C": PUMP DISCHARGE
- "D": PUMP SUCTION
BLOCK
- "E": NO.1 SUCTION
- "F": NO.2 SUCTION
- "G": NO.3 SUCTION

- "H": EXTERNAL LOAD
HEADER BLOCK
- "I": NO.1 EXTERNAL
LOAD DROP
- "J": NO.2 EXTERNAL
LOAD DROP
- "K": NO.3 EXTERNAL
LOAD DROP
- W. Pump can load
valves
- "O": Suction Bell

Plan View

"Not To Scale"

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 4

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 applies 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)

- 1). 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:

- A. 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, ect., and lines are long enough to allow for surge, tide, wind, changes in draft ect.
- 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 4 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 then 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 or Digital pager# (800) 213-4791.
- 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, 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**

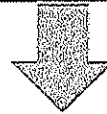
See specific MSDS sheets provided with these procedures.

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

(225) 642-0060 24 Hour Line.

VESSEL INCIDENT / ACCIDENT NOTIFICATION CHART

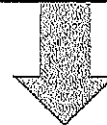
Incidents that involve injury or illness, spill / pollution or a probable discharge, significant equipment failure, property damage, cargo related issues, service delays or any accident involving a Chem Carriers Towing, LLC vessel or crewmember shall be immediately called into the Chem Carriers Towing, LLC 24-hour Emergency Hotline at **225-642-0060**



Master Standing the Watch

Once the situation has been stabilized and all safety issues have been addressed, immediately contact the Chem Carriers Towing, LLC Emergency Hotline (225-642-0060)

Any serious marine incident, or any incident that has the potential to become a serious marine incident, alcohol testing shall be conducted on all involved crewmembers within 2 hours, whether onboard the vessel or at a testing facility.



NATIONAL Response Center

1-800-424-8802
or
1-202-267-2675

MADANTORY for all pollution incidents on CCT equipment

Chem Carriers Towing, LLC Emergency Hotline



Qualified Individual (QI)

225-642-0060

State Notifications

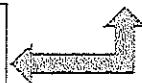
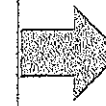
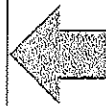
Louisiana 225-925-6595
Mississippi 601-987-1212
Texas 409-924-5400

Oil Spill Removal Organization Customer Internal

Reference Emergency Response Guidelines for
a Complete List of Required Notifications

USCG COTP ZONES

Baton Rouge 225-298-5400
New Orleans 504-365-2200
Morgan City 985-380-5320
Lake Charles 337-721-5741



U.S. Department of
Homeland Security

United States
Coast Guard



Commandant
United States Coast Guard

2703 Martin Luther King Jr. Ave SE
Stop 7516
Washington, DC 20593-7516
Staff Symbol: CG-MER-4 (VRP)
Phone: (202) 372-1005
Fax: (202) 372-8376
Email: vrp@uscg.mil

16460
March 12, 2025

Chem Carriers, L.L.C.
C/O: FOREFRONT EMERGENCY MANAGEMENT, LP
ATTN: ALLIE MARTIN
1730 COTEAU ROAD
HOUMA, LA 70364

Dear Sir or Madam:

Your Vessel Response Plan (Control Number 56041), submitted to meet the requirements of Title 33, Code of Federal Regulations (CFR), Part 155, Subparts D and I, is **approved**. Approval will remain valid until **March 21, 2030**.

The CCL 4 (512519) is authorized to operate only in the ports or geographic areas indicated in the Captain of the Port zones listed below. If carrying oil as cargo, the vessel is prohibited from handling, storing, transporting, transferring, or lightering oil unless it is operating in full compliance with this plan. Compliance includes ensuring that required resources have been identified and planned for or are in place and available through contract or other approved means. If applicable to your routes, this includes the dispersant and aerial observation requirements of 33 CFR 155.1050.

You are reminded that your chosen salvage and marine firefighting resource provider may have submitted waivers from meeting one or more of the specified response times in accordance with 33 CFR 155.4055. If so, this may be rescinded by the U.S. Coast Guard if the appropriate response resources are not available when the approved waiver expires. You shall continue to assess the adequacy of your chosen salvors and firefighters as required by 33 CFR 155.4050.

The vessel must keep a copy of this approval letter onboard in addition to the minimum sections of the plan as required by 33 CFR 155.1030. In accordance with 33 CFR 155.1070, you are required to review your plan annually and submit plan amendments for approval. As per 33 CFR 155.1070(b), the entire plan must be resubmitted for a comprehensive review and approval six (6) months prior to the expiration date.

APPROVED CAPTAIN OF THE PORT ZONES

CORPUS CHRISTI
HOUMA
HOUSTON-GALVESTON

LOWER MISSISSIPPI RIVER OHIO VALLEY
(MEMPHIS)
MOBILE
NEW ORLEANS

UPPER MISSISSIPPI RIVER
(ST. LOUIS)
PORT ARTHUR AND LAKE
CHARLES

Sincerely,



CHARRON MCCOMBS

Lieutenant Commander

Acting Chief, Domestic Preparedness & Planning Division

U.S. Coast Guard

By direction

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
December 3, 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 WITH AMENDMENTS

Ref: (a) Your correspondence dated November 6, 2024
(b) Title 33 Code of Federal Regulations (CFR) Part 104
(c) MSC Vessel Security Plan Approval letter dated October 16, 2024

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."**

Your vessel 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 reference (c) unless rescinded in writing by the local COTP/OCMI. You must review your plan annually and submit any amendments to this office for approval. Please ensure that a copy of the VSP is maintained on board the vessel 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

Enclosures: (1) List of Vessel Security Plan Amendments
(2) 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
CCL 415-T	1262942

<u>Vessel Name</u>	<u>Official Number (O.N.)</u>
CCL 416-T	1264691
CCL 417 T	1298307
CCL 418-L	1306896
CCL 419-L	1306897
CCL 420-T	1348560
CCL 421-T	CG1843359
CCL 3202	1089031
HFL 413	1237482
HFL 415	1237483
HFL 435	1236563
HFL 605	1237484

E. W. SAYBOLT & CO., INC.
 JOSE. H. HECARE JOSE. H. HECARE, JR.
 APPROVED AND LICENSED BY
 THE NEW YORK PRODUCE EXCHANGE
 INSPECTORS OF PETROLEUM

BARGE CCL 4
 HULL #2034

TANK GAUGE TABLE

NO. 1

GAUGE HEIGHT 15'-9 3/4"

INNAE TABLE

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT	IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN
0	1.8	0	7.478	0	17.846	0	28.254	0	38.644	0	49.027	0	59.470	0	69.882	0	80.295	0	90.707	0	101.120	0	111.533	0
1	1.2	1	7.691	1	18.063	1	28.470	1	38.861	1	49.274	1	59.727	1	70.139	1	80.552	1	90.964	1	101.377	1	111.790	1
2	4.6	2	7.904	2	18.280	2	28.686	2	39.078	2	49.491	2	59.903	2	70.316	2	80.729	2	91.141	2	101.554	2	111.967	2
3	6.0	3	8.118	3	18.497	3	28.903	3	39.295	3	49.708	3	60.120	3	70.533	3	80.946	3	91.358	3	101.771	3	112.184	3
4	7.4	4	8.331	4	18.714	4	29.119	4	39.512	4	49.925	4	60.337	4	70.750	4	81.163	4	91.575	4	101.988	4	112.400	4
5	14.3	5	8.547	5	18.931	5	29.335	5	39.729	5	50.142	5	60.554	5	70.967	5	81.379	5	91.792	5	102.205	5	112.617	5
6	21.1	6	8.763	6	19.148	6	29.552	6	39.946	6	50.358	6	60.771	6	71.184	6	81.596	6	92.009	6	102.422	6	113.030	6
7	28.0	7	8.978	7	19.365	7	29.768	7	40.163	7	50.575	7	60.988	7	71.401	7	81.813	7	92.226	7	102.639	7	113.243	7
8	34.9	8	9.194	8	19.582	8	29.984	8	40.380	8	50.792	8	61.205	8	71.618	8	82.030	8	92.443	8	102.856	8	113.456	8
9	47.3	9	9.410	9	19.798	9	30.201	9	40.597	9	51.009	9	61.422	9	71.835	9	82.247	9	92.660	9	103.072	9	113.669	9
10	59.8	10	9.626	10	20.015	10	30.417	10	40.814	10	51.226	10	61.639	10	72.051	10	82.464	10	92.877	10	103.289	10	113.882	10
11	72.2	11	9.841	11	20.232	11	30.633	11	41.031	11	51.443	11	61.856	11	72.268	11	82.681	11	93.094	11	103.506	11	114.099	11
12	84.7	12	10.057	12	20.449	12	30.850	12	41.247	12	51.660	12	62.073	12	72.485	12	82.898	12	93.311	12	103.723	12	114.313	12
13	100.6	13	10.273	13	20.666	13	31.066	13	41.464	13	51.877	13	62.290	13	72.702	13	83.115	13	93.528	13	103.940	13	114.533	13
14	116.5	14	10.489	14	20.883	14	31.282	14	41.681	14	52.094	14	62.507	14	72.919	14	83.332	14	93.744	14	104.157	14	114.746	14
15	132.3	15	10.704	15	21.100	15	31.499	15	41.898	15	52.311	15	62.724	15	73.136	15	83.549	15	93.961	15	104.374	15	114.967	15
16	148.2	16	10.920	16	21.317	16	31.715	16	42.115	16	52.528	16	62.940	16	73.353	16	83.766	16	94.178	16	104.591	16	115.180	16
17	164.6	17	11.136	17	21.534	17	31.931	17	42.332	17	52.745	17	63.157	17	73.570	17	83.983	17	94.395	17	104.808	17	115.393	17
18	180.9	18	11.352	18	21.751	18	32.148	18	42.549	18	52.962	18	63.374	18	73.787	18	84.200	18	94.612	18	105.025	18	115.607	18
19	197.3	19	11.567	19	21.968	19	32.364	19	42.766	19	53.179	19	63.591	19	74.004	19	84.417	19	94.829	19	105.242	19	115.824	19
20	213.6	20	11.783	20	22.184	20	32.580	20	42.983	20	53.396	20	63.808	20	74.221	20	84.633	20	95.046	20	105.459	20	116.041	20
21	230.4	21	11.999	21	22.401	21	32.797	21	43.200	21	53.612	21	64.025	21	74.438	21	84.850	21	95.263	21	105.676	21	116.258	21
22	247.2	22	12.215	22	22.618	22	33.013	22	43.417	22	53.829	22	64.242	22	74.655	22	85.067	22	95.480	22	105.893	22	116.473	22
23	264.1	23	12.430	23	22.835	23	33.229	23	43.634	23	54.046	23	64.459	23	74.872	23	85.284	23	95.697	23	106.110	23	116.690	23
24	280.9	24	12.646	24	23.052	24	33.446	24	43.851	24	54.263	24	64.676	24	75.089	24	85.501	24	95.914	24	106.326	24	116.913	24
25	298.1	25	12.862	25	23.269	25	33.662	25	44.068	25	54.480	25	64.893	25	75.305	25	85.718	25	96.131	25	106.543	25	117.136	25
26	315.4	26	13.078	26	23.486	26	33.878	26	44.284	26	54.697	26	65.110	26	75.522	26	85.935	26	96.348	26	106.760	26	117.353	26
27	332.7	27	13.293	27	23.703	27	34.095	27	44.501	27	54.914	27	65.327	27	75.739	27	86.152	27	96.565	27	106.977	27	117.570	27
28	350.0	28	13.509	28	23.920	28	34.311	28	44.718	28	55.131	28	65.544	28	75.956	28	86.369	28	96.782	28	107.194	28	117.787	28
29	367.7	29	13.725	29	24.137	29	34.527	29	44.935	29	55.348	29	65.761	29	76.173	29	86.586	29	96.998	29	107.411	29	118.004	29
30	386.7	30	13.942	30	24.354	30	34.744	30	45.152	30	55.565	30	65.977	30	76.390	30	86.803	30	97.215	30	107.628	30	118.221	30
31	405.8	31	14.159	31	24.570	31	34.960	31	45.369	31	55.782	31	66.194	31	76.607	31	87.020	31	97.432	31	107.845	31	118.438	31
32	424.8	32	14.376	32	24.787	32	35.176	32	45.586	32	55.999	32	66.411	32	76.824	32	87.237	32	97.649	32	108.062	32	118.655	32
33	444.3	33	14.593	33	25.004	33	35.393	33	45.803	33	56.216	33	66.628	33	77.041	33	87.454	33	97.866	33	108.279	33	118.872	33
34	463.8	34	14.810	34	25.221	34	35.609	34	46.020	34	56.433	34	66.845	34	77.258	34	87.670	34	98.083	34	108.496	34	119.089	34
35	483.3	35	15.026	35	25.438	35	35.825	35	46.237	35	56.649	35	67.062	35	77.475	35	87.887	35	98.300	35	108.713	35	119.306	35
36	502.7	36	15.243	36	25.655	36	36.042	36	46.454	36	56.866	36	67.279	36	77.692	36	88.104	36	98.517	36	108.930	36	119.523	36
37	522.7	37	15.460	37	25.872	37	36.258	37	46.671	37	57.083	37	67.496	37	77.909	37	88.321	37	98.734	37	109.147	37	119.740	37
38	542.7	38	15.677	38	26.089	38	36.475	38	46.888	38	57.306	38	67.713	38	78.126	38	88.538	38	98.951	38	109.363	38	119.957	38
39	562.6	39	15.894	39	26.306	39	36.692	39	47.105	39	57.517	39	67.930	39	78.342	39	88.755	39	99.168	39	109.580	39	120.174	39
40	582.6	40	16.111	40	26.523	40	36.909	40	47.321	40	57.734	40	68.147	40	78.559	40	88.972	40	99.385	40	109.797	40	120.391	40
41	603.0	41	16.328	41	26.740	41	37.126	41	47.538	41	57.951	41	68.364	41	78.776	41	89.189	41	99.602	41	110.014	41	120.608	41
42	623.4	42	16.545	42	26.956	42	37.343	42	47.755	42	58.168	42	68.581	42	78.993	42	89.406	42	99.819	42	110.231	42	120.825	42
43	643.8	43	16.762	43	27.172	43	37.560	43	47.972	43	58.385	43	68.798	43	79.210	43	89.623	43	100.035	43	110.448	43	121.042	43
44	664.2	44	16.979	44	27.389	44	37.777	44	48.189	44	58.602	44	69.014	44	79.427	44	89.840	44	100.252	44	110.665	44	121.259	44
45	685.1	45	17.196	45	27.605	45	37.993	45	48.406	45	58.819	45	69.231	45	79.644	45	90.057	45	100.469	45	110.882	45	121.476	45
46	706.0	46	17.412	46	27.821	46	38.210	46	48.623	46	59.036	46	69.448	46	79.861	46	90.274	46	100.686	46	111.099	46	121.693	46
47	726.9	47	17.629	47	28.038	47	38.427	47	48.840	47	59.253	47	69.665	47	80.078	47	90.491	47	100.903	47	111.316	47	121.910	47

CAPACITIES GIVEN IN U. S. GALLONS

NOTE: GAGE LOCATION CENTERED ON COMPARTMENT.

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

Strapped By: JAB & PLB
 COMPUTED BY: DRC
 CHECKED BY: WLS

FEB.
 DATE
 1968



E. W. SAYBOLT & CO., INC.

BY *William L. Schroeder*
 DEPUTY INSPECTOR OF PETROLEUM

E. W. SAYBOLT & CO., INC.
 JOSEPH H. MEEBEE JOSEPH H. MEEBEE, JR.
 APPROVED AND LICENSED BY
 THE NEW YORK PRODUCE EXCHANGE
INSPECTORS OF PETROLEUM

BARGE CCL 4
HULL #2034

TANK GAUGE TABLE

NO. 1

GAUGE HEIGHT 15'-9 3/4"

IMAGE TABLE

IN												1 2 FT IN												13 FT IN												14 FT IN												15 FT IN												16 FT IN												17 FT IN												18 FT IN												19 FT IN												20 FT IN												21 FT IN												22 FT IN												23 FT IN												24 FT IN												25 FT IN												26 FT IN												27 FT IN												28 FT IN												29 FT IN												30 FT IN												31 FT IN												32 FT IN												33 FT IN												34 FT IN												35 FT IN												36 FT IN												37 FT IN												38 FT IN												39 FT IN												40 FT IN												41 FT IN												42 FT IN												43 FT IN												44 FT IN												45 FT IN												46 FT IN												47 FT IN												48 FT IN												49 FT IN												50 FT IN												51 FT IN												52 FT IN												53 FT IN												54 FT IN												55 FT IN												56 FT IN												57 FT IN												58 FT IN												59 FT IN												60 FT IN												61 FT IN												62 FT IN												63 FT IN												64 FT IN												65 FT IN												66 FT IN												67 FT IN												68 FT IN												69 FT IN												70 FT IN												71 FT IN												72 FT IN												73 FT IN												74 FT IN												75 FT IN												76 FT IN												77 FT IN												78 FT IN												79 FT IN												80 FT IN												81 FT IN												82 FT IN												83 FT IN												84 FT IN												85 FT IN												86 FT IN												87 FT IN												88 FT IN												89 FT IN												90 FT IN												91 FT IN												92 FT IN												93 FT IN												94 FT IN												95 FT IN												96 FT IN												97 FT IN												98 FT IN												99 FT IN												100 FT IN											
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

CAPACITIES GIVEN IN U. S. GALLONS

Strapped By: JAB & PLB
COMPUTED BY DHC
CHECKED BY WLS

DATE FEB. 11 1968

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 & CO., INC.

BY *William L. Schroeder*
DEPUTY INSPECTOR OF PETROLEUM

E. W. SAYBOLT & CO., INC.
 JOSE. H. MACARE JOSE. H. MACARE, JR.
 APPROVED AND LICENSED BY
 THE NEW YORK PRODUCE EXCHANGE
 INSPECTORS OF PETROLEUM

BARGE CCL 4
HULL #2034

TANK GAUGE TABLE

NO. 2

GAUGE HEIGHT 15'-10 1/2"

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										
0	1.8	0	8.637	0	1.9	0.74	0	2.9	5.06	0	3.9	9.22	0	5.0	15.9	0	6.0	7.97	0	7.1	2.34	0	8.1	6.72	0	9.2	1.10	0	10.2	5.47	0	11.2	9.85	0
1	3.6	1	8.854	1	1.9	2.91	1	2.9	7.23	1	4.0	11.39	1	5.0	27.7	1	6.1	10.14	1	7.1	4.52	1	8.1	8.89	1	9.2	3.27	1	10.2	7.65	1	11.2	20.2	1
2	5.4	2	9.072	2	1.9	5.09	2	2.9	9.40	2	4.0	13.56	2	5.0	44.1	2	6.1	12.32	2	7.1	6.69	2	8.1	10.7	2	9.2	5.44	2	10.2	9.82	2	11.2	4.20	2
3	7.2	3	9.289	3	1.9	7.26	3	3.0	11.57	3	4.0	15.74	3	5.0	61.2	3	6.1	14.49	3	7.1	8.87	3	8.1	12.94	3	9.2	7.62	3	10.2	12.00	3	11.2	6.37	3
4	9.0	4	9.507	4	1.9	9.43	4	3.0	13.74	4	4.0	17.91	4	5.0	78.1	4	6.1	16.67	4	7.1	10.4	4	8.1	15.42	4	9.2	9.79	4	10.2	14.17	4	11.2	8.55	4
5	10.8	5	9.724	5	2.0	1.61	5	3.0	15.90	5	4.0	20.09	5	5.0	94.6	5	6.1	18.84	5	7.1	12.22	5	8.1	17.59	5	9.2	10.97	5	10.2	16.34	5	11.2	10.72	5
6	12.6	6	9.942	6	2.0	3.78	6	3.0	18.07	6	4.0	22.26	6	5.0	111.1	6	6.1	20.71	6	7.1	14.39	6	8.1	19.34	6	9.2	12.44	6	10.2	18.52	6	11.2	12.89	6
7	14.4	7	10.159	7	2.0	5.96	7	3.0	20.24	7	4.0	24.44	7	5.0	127.6	7	6.1	22.86	7	7.1	16.57	7	8.1	21.49	7	9.2	14.62	7	10.2	20.70	7	11.2	15.07	7
8	16.2	8	10.376	8	2.0	8.13	8	3.0	22.41	8	4.0	26.61	8	5.0	144.1	8	6.1	25.29	8	7.1	18.74	8	8.1	23.39	8	9.2	16.77	8	10.2	22.92	8	11.2	17.42	8
9	18.0	9	10.594	9	2.0	10.31	9	3.0	24.58	9	4.0	28.79	9	5.0	160.6	9	6.1	27.97	9	7.1	20.91	9	8.1	25.59	9	9.2	18.94	9	10.2	25.04	9	11.2	19.24	9
10	19.8	10	10.811	10	2.1	12.48	10	3.1	26.75	10	4.1	30.96	10	5.1	177.1	10	6.1	30.16	10	7.1	23.04	10	8.1	27.77	10	9.2	20.97	10	10.2	27.27	10	11.2	21.42	10
11	21.6	11	11.029	11	2.1	14.65	11	3.1	28.92	11	4.1	33.14	11	5.1	193.6	11	6.1	32.34	11	7.1	25.17	11	8.1	29.97	11	9.2	22.94	11	10.2	29.72	11	11.2	23.59	11
12	23.4	12	11.246	12	2.1	16.83	12	3.1	31.08	12	4.1	35.31	12	5.1	210.1	12	6.1	34.54	12	7.1	27.24	12	8.1	31.81	12	9.2	24.91	12	10.2	31.47	12	11.2	25.94	12
13	25.2	13	11.464	13	2.1	19.00	13	3.1	33.25	13	4.1	37.48	13	5.1	226.6	13	6.1	36.77	13	7.1	29.31	13	8.1	34.09	13	9.2	26.98	13	10.2	33.64	13	11.2	28.12	13
14	27.0	14	11.681	14	2.1	21.18	14	3.1	35.42	14	4.1	39.66	14	5.1	243.1	14	6.1	38.96	14	7.1	31.44	14	8.1	36.46	14	9.2	28.65	14	10.2	35.89	14	11.2	30.29	14
15	28.8	15	11.898	15	2.1	23.35	15	3.1	37.59	15	4.1	41.83	15	5.1	259.6	15	6.1	41.26	15	7.1	33.61	15	8.1	38.74	15	9.2	30.82	15	10.2	38.12	15	11.2	32.47	15
16	30.6	16	12.116	16	2.1	25.53	16	3.1	39.76	16	4.1	44.01	16	5.1	276.1	16	6.1	43.69	16	7.1	35.79	16	8.1	40.97	16	9.2	33.03	16	10.2	40.40	16	11.2	34.64	16
17	32.4	17	12.333	17	2.1	27.70	17	3.1	41.93	17	4.1	46.18	17	5.1	292.6	17	6.1	45.97	17	7.1	37.97	17	8.1	43.25	17	9.2	35.24	17	10.2	42.63	17	11.2	36.81	17
18	34.2	18	12.551	18	2.1	29.87	18	3.1	44.10	18	4.1	48.36	18	5.1	309.1	18	6.1	47.76	18	7.1	40.15	18	8.1	45.54	18	9.2	37.45	18	10.2	44.82	18	11.2	38.99	18
19	36.0	19	12.768	19	2.1	32.05	19	3.1	46.26	19	4.1	50.53	19	5.1	325.6	19	6.1	49.96	19	7.1	42.34	19	8.1	47.92	19	9.2	39.66	19	10.2	47.01	19	11.2	41.16	19
20	37.8	20	12.986	20	2.1	34.22	20	3.1	48.43	20	4.1	52.71	20	5.1	342.1	20	6.1	52.40	20	7.1	44.52	20	8.1	50.11	20	9.2	41.87	20	10.2	49.20	20	11.2	43.34	20
21	39.6	21	13.203	21	2.1	36.40	21	3.1	50.60	21	4.1	54.88	21	5.1	358.6	21	6.1	54.92	21	7.1	46.71	21	8.1	52.20	21	9.2	44.08	21	10.2	51.39	21	11.2	45.51	21
22	41.4	22	13.420	22	2.1	38.57	22	3.1	52.77	22	4.1	57.05	22	5.1	375.1	22	6.1	57.11	22	7.1	48.54	22	8.1	54.69	22	9.2	46.35	22	10.2	53.58	22	11.2	47.99	22
23	43.2	23	13.638	23	2.1	40.75	23	3.1	54.94	23	4.1	59.23	23	5.1	391.6	23	6.1	59.28	23	7.1	50.37	23	8.1	57.04	23	9.2	48.56	23	10.2	55.77	23	11.2	49.66	23
24	45.0	24	13.855	24	2.1	42.92	24	3.1	57.11	24	4.1	61.40	24	5.1	408.1	24	6.1	61.46	24	7.1	52.51	24	8.1	59.81	24	9.2	50.75	24	10.2	57.96	24	11.2	51.86	24
25	46.8	25	14.073	25	2.1	45.10	25	3.1	59.27	25	4.1	63.58	25	5.1	424.6	25	6.1	63.63	25	7.1	54.62	25	8.1	62.07	25	9.2	52.94	25	10.2	60.15	25	11.2	53.97	25
26	48.6	26	14.290	26	2.1	47.27	26	3.1	61.44	26	4.1	65.75	26	5.1	441.1	26	6.1	65.81	26	7.1	56.76	26	8.1	64.30	26	9.2	55.12	26	10.2	62.34	26	11.2	56.01	26
27	50.4	27	14.508	27	2.1	49.44	27	3.1	63.61	27	4.1	67.93	27	5.1	457.6	27	6.1	67.98	27	7.1	58.87	27	8.1	66.46	27	9.2	57.30	27	10.2	64.53	27	11.2	58.20	27
28	52.2	28	14.725	28	2.1	51.62	28	3.1	65.78	28	4.1	70.10	28	5.1	474.1	28	6.1	70.16	28	7.1	60.91	28	8.1	68.91	28	9.2	59.52	28	10.2	66.71	28	11.2	60.12	28
29	54.0	29	14.943	29	2.1	53.79	29	3.1	67.95	29	4.1	72.28	29	5.1	490.6	29	6.1	72.33	29	7.1	63.02	29	8.1	71.02	29	9.2	61.74	29	10.2	68.90	29	11.2	62.33	29
30	55.8	30	15.160	30	2.1	55.97	30	3.1	70.13	30	4.1	74.45	30	5.1	507.1	30	6.1	74.49	30	7.1	65.13	30	8.1	73.82	30	9.2	63.96	30	10.2	71.09	30	11.2	64.94	30
31	57.6	31	15.377	31	2.1	58.14	31	3.1	72.31	31	4.1	76.63	31	5.1	523.6	31	6.1	76.67	31	7.1	67.25	31	8.1	76.15	31	9.2	66.18	31	10.2	73.26	31	11.2	66.96	31
32	59.4	32	15.595	32	2.1	60.31	32	3.1	74.48	32	4.1	78.80	32	5.1	540.1	32	6.1	78.84	32	7.1	69.37	32	8.1	78.63	32	9.2	68.40	32	10.2	75.47	32	11.2	69.15	32
33	61.2	33	15.812	33	2.1	62.49	33	3.1	76.66	33	4.1	80.97	33	5.1	556.6	33	6.1	80.91	33	7.1	71.54	33	8.1	80.42	33	9.2	70.62	33	10.2	77.68	33	11.2	71.32	33
34	63.0	34	16.030	34	2.1	64.66	34	3.1	78.83	34	4.1	83.15	34	5.1	573.1	34	6.1	83.19	34	7.1	73.71	34	8.1	83.01	34	9.2	72.80	34	10.2	79.89	34	11.2	73.50	34
35	64.8	35	16.247	35	2.1	66.84	35	3.1	81.01	35	4.1	85.33	35	5.1	589.6	35	6.1	85.37	35	7.1	75.88	35	8.1	85.69	35	9.2	74.98	35	10.2	82.00	35	11.2	75.69	35
36	66.6	36	16.465	36	2.1	69.01	36	3.1	83.19	36	4.1	87.50	36	5.1	606.1	36	6.1	87.54	36	7.1	78.03	36	8.1	88.05	36	9.2	77.09	36	10.2	84.11	36	11.2	77.40	36
37	68.4	37	16.682	37	2.1	71.19	37	3.1	85.37	37	4.1	89.67	37	5.1	622.6	37	6.1	89.71	37	7.1	80.20	37	8.1	90.72	37	9.2	79.19	37	10.2	86.27	37	11.2	79.71	37
38	70.2	38	16.899	38	2.1	73.36	38	3.1	87.55	38	4.1	91.85	38	5.1	639.1	38	6.1	91.89	38	7.1	82.37	38	8.1	92.73	38	9.2	81.28	38	10.2	88.44	38	11.2	81.83	38
39	72.0	39	17.117	39	2.1	75.53	39	3.1	89.73	39	4.1	94.02	39	5.1	655.6	39	6.1	94.06	39	7.1	84.49	39	8											

GAUGE HEIGHT 15'-10 1/2"

[illegible]

BY *William L. Schroeder*
DEPUTY INSPECTOR OF PETROLEUM
APPROVED BY NEW YORK PRODUCE EXCHANGE

BARGE CCL4
 HULL #2034

(SHEET NO. 1 OF 2)

TANK GAUGE TABLE

NO. 3

GAUGE HEIGHT 15'-9 3/8"

		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	IN	OUT
0	1.8	0	8.631	0	19.057	0	29.483	0	39.907	0	50.334	0	60.761	0	71.188	0	81.616	0	92.043	0	102.470	0	112.897	0	
1	1.6	1	8.848	1	19.274	1	29.700	1	40.125	1	50.552	1	60.979	1	71.406	1	81.833	1	92.260	1	102.687	1	113.114	1	
2	1.4	2	9.065	2	19.491	2	29.917	2	40.342	2	50.769	2	61.196	2	71.623	2	82.050	2	92.477	2	102.904	2	113.331	2	
3	1.2	3	9.282	3	19.708	3	30.134	3	40.559	3	50.986	3	61.413	3	71.840	3	82.267	3	92.694	3	103.121	3	113.548	3	
4	1.0	4	9.500	4	19.926	4	30.351	4	40.776	4	51.203	4	61.630	4	72.057	4	82.484	4	92.911	4	103.339	4	113.766	4	
5	0.8	5	9.717	5	20.143	5	30.568	5	40.994	5	51.421	5	61.848	5	72.275	5	82.702	5	93.129	5	103.556	5	113.993	5	
6	0.6	6	9.934	6	20.360	6	30.786	6	41.211	6	51.638	6	62.065	6	72.492	6	82.919	6	93.346	6	103.773	6	114.200	6	
7	0.4	7	10.151	7	20.577	7	31.001	7	41.428	7	51.855	7	62.282	7	72.709	7	83.136	7	93.563	7	103.990	7	114.417	7	
8	0.2	8	10.368	8	20.794	8	31.220	8	41.645	8	52.072	8	62.499	8	72.926	8	83.353	8	93.780	8	104.207	8	114.634	8	
9	0.0	9	10.586	9	21.012	9	31.437	9	41.862	9	52.289	9	62.717	9	73.144	9	83.571	9	93.998	9	104.425	9	114.852	9	
10	0.0	10	10.803	10	21.229	10	31.654	10	42.080	10	52.507	10	62.934	10	73.361	10	83.788	10	94.215	10	104.642	10	115.069	10	
11	0.0	11	11.020	11	21.446	11	31.871	11	42.297	11	52.724	11	63.151	11	73.578	11	84.005	11	94.432	11	104.859	11	115.286	11	
12	0.0	12	11.237	12	21.663	12	32.089	12	42.514	12	52.941	12	63.368	12	73.795	12	84.222	12	94.649	12	105.076	12	115.503	12	
13	0.0	13	11.454	13	21.881	13	32.306	13	42.731	13	53.158	13	63.585	13	74.012	13	84.440	13	94.867	13	105.294	13	115.721	13	
14	0.0	14	11.672	14	22.098	14	32.523	14	42.949	14	53.376	14	63.803	14	74.230	14	84.657	14	95.084	14	105.511	14	115.938	14	
15	0.0	15	11.889	15	22.315	15	32.740	15	43.166	15	53.593	15	64.020	15	74.447	15	84.874	15	95.301	15	105.728	15	116.155	15	
16	0.0	16	12.106	16	22.532	16	32.957	16	43.383	16	53.810	16	64.237	16	74.664	16	85.091	16	95.518	16	105.945	16	116.372	16	
17	0.0	17	12.323	17	22.749	17	33.174	17	43.600	17	54.027	17	64.454	17	74.881	17	85.308	17	95.735	17	106.163	17	116.590	17	
18	0.0	18	12.541	18	22.967	18	33.392	18	43.818	18	54.245	18	64.672	18	75.099	18	85.526	18	95.953	18	106.380	18	116.807	18	
19	0.0	19	12.758	19	23.184	19	33.609	19	44.035	19	54.462	19	64.889	19	75.316	19	85.743	19	96.170	19	106.597	19	117.024	19	
20	0.0	20	12.975	20	23.401	20	33.826	20	44.252	20	54.679	20	65.106	20	75.533	20	85.960	20	96.387	20	106.814	20	117.241	20	
21	0.0	21	13.192	21	23.618	21	34.043	21	44.469	21	54.896	21	65.323	21	75.750	21	86.177	21	96.604	21	107.031	21	117.458	21	
22	0.0	22	13.409	22	23.835	22	34.260	22	44.686	22	55.113	22	65.541	22	75.968	22	86.395	22	96.822	22	107.249	22	117.676	22	
23	0.0	23	13.627	23	24.053	23	34.477	23	44.904	23	55.331	23	65.758	23	76.185	23	86.612	23	97.039	23	107.466	23	117.893	23	
24	0.0	24	13.844	24	24.270	24	34.695	24	45.121	24	55.548	24	65.975	24	76.402	24	86.829	24	97.256	24	107.683	24	118.110	24	
25	0.0	25	14.061	25	24.487	25	34.912	25	45.338	25	55.765	25	66.192	25	76.619	25	87.046	25	97.473	25	107.900	25	118.327	25	
26	0.0	26	14.278	26	24.704	26	35.129	26	45.555	26	55.982	26	66.409	26	76.836	26	87.264	26	97.691	26	108.118	26	118.545	26	
27	0.0	27	14.495	27	24.921	27	35.346	27	45.773	27	56.200	27	66.627	27	77.054	27	87.481	27	97.908	27	108.335	27	118.762	27	
28	0.0	28	14.713	28	25.139	28	35.563	28	45.990	28	56.417	28	66.844	28	77.271	28	87.698	28	98.125	28	108.552	28	118.979	28	
29	0.0	29	14.930	29	25.356	29	35.780	29	46.207	29	56.634	29	67.061	29	77.488	29	87.915	29	98.342	29	108.769	29	119.196	29	
30	0.0	30	15.147	30	25.573	30	35.998	30	46.424	30	56.851	30	67.278	30	77.695	30	88.132	30	98.559	30	108.987	30	119.414	30	
31	0.0	31	15.364	31	25.790	31	36.215	31	46.642	31	57.069	31	67.496	31	77.903	31	88.350	31	98.777	31	109.204	31	119.631	31	
32	0.0	32	15.581	32	26.008	32	36.432	32	46.859	32	57.286	32	67.713	32	78.110	32	88.567	32	98.994	32	109.421	32	119.848	32	
33	0.0	33	15.799	33	26.225	33	36.649	33	47.076	33	57.503	33	67.930	33	78.317	33	88.784	33	99.211	33	109.638	33	120.065	33	
34	0.0	34	16.016	34	26.442	34	36.866	34	47.293	34	57.720	34	68.147	34	78.524	34	89.001	34	99.428	34	109.855	34	120.282	34	
35	0.0	35	16.233	35	26.659	35	37.084	35	47.510	35	57.937	35	68.365	35	78.731	35	89.219	35	99.646	35	110.073	35	120.500	35	
36	0.0	36	16.450	36	26.876	36	37.301	36	47.728	36	58.155	36	68.582	36	78.938	36	89.436	36	99.863	36	110.290	36	120.717	36	
37	0.0	37	16.668	37	27.094	37	37.518	37	47.945	37	58.372	37	68.799	37	79.145	37	89.653	37	100.080	37	110.507	37	120.934	37	
38	0.0	38	16.885	38	27.311	38	37.735	38	48.162	38	58.589	38	69.016	38	79.352	38	89.870	38	100.297	38	110.724	38	121.151	38	
39	0.0	39	17.102	39	27.528	39	37.952	39	48.379	39	58.806	39	69.233	39	79.560	39	90.088	39	100.515	39	110.942	39	121.369	39	
40	0.0	40	17.319	40	27.745	40	38.170	40	48.597	40	59.024	40	69.451	40	79.767	40	90.305	40	100.732	40	111.159	40	121.586	40	
41	0.0	41	17.536	41	27.962	41	38.387	41	48.814	41	59.241	41	69.668	41	80.095	41	90.522	41	100.949	41	111.376	41	121.803	41	
42	0.0	42	17.754	42	28.180	42	38.604	42	49.031	42	59.458	42	69.885	42	80.312	42	90.739	42	101.166	42	111.593	42	122.020	42	
43	0.0	43	17.971	43	28.397	43	38.821	43	49.248	43	59.675	43	70.102	43	80.529	43	90.956	43	101.383	43	111.811	43	122.238	43	
44	0.0	44	18.188	44	28.614	44	39.038	44	49.465	44	59.893	44	70.320	44	80.747	44	91.174	44	101.601	44	112.028	44	122.455	44	
45	0.0	45	18.405	45	28.831	45	39.256	45	49.683	45	60.110	45	70.537	45	80.964	45	91.391	45	101.818	45	112.245	45	122.672	45	
46	0.0	46	18.622	46	29.048	46	39.473	46	49.900	46	60.327	46	70.754	46	81.181	46	91.608	46	102.035	46	112.462	46	122.889	46	
47	0.0	47	18.840	47	29.265	47	39.690	47	50.117	47	60.544	47	70.971	47	81.398	47	91.825	47	102.252	47	112.679	47	123.106	47	

CAPACITIES GIVEN IN U. S. GALLONS

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Date of Issue - February 14, 1968



E. W. SAYBOLT & CO., INC.

BY *William L. Schroeder*
 DEPUTY INSPECTOR OF PETROLEUM

NO. 3

GAUGE HEIGHT 15'-9 3/8"

INDEX TABLE

12 FT		13 FT		14 FT		15 FT		16 FT		17 FT		18 FT		19 FT		20 FT		21 FT		22 FT		23 FT		24 FT		25 FT		26 FT		27 FT		28 FT		29 FT		30 FT																																																																																																																																																																																																																																																																																																																																																																																																																																																										
0	123	124	0	133	751	0	144	178	0	155	212	0	166	266	0	177	322	0	188	383	0	199	439	0	210	490	0	221	546	0	232	607	0	243	673	0	254	744	0	265	819	0	276	899	0	287	984	0	298	1074	0	309	1169	0	320	1269	0	331	1374	0	342	1484	0	353	1599	0	364	1719	0	375	1844	0	386	1974	0	397	2109	0	408	2249	0	419	2394	0	430	2544	0	441	2699	0	452	2859	0	463	3024	0	474	3194	0	485	3369	0	496	3549	0	507	3734	0	518	3924	0	529	4119	0	540	4319	0	551	4524	0	562	4734	0	573	4949	0	584	5169	0	595	5394	0	606	5624	0	617	5859	0	628	6099	0	639	6344	0	650	6594	0	661	6849	0	672	7109	0	683	7374	0	694	7644	0	705	7919	0	716	8199	0	727	8484	0	738	8774	0	749	9069	0	760	9369	0	771	9674	0	782	9984	0	793	10299	0	804	10619	0	815	10944	0	826	11274	0	837	11609	0	848	11949	0	859	12294	0	870	12644	0	881	12999	0	892	13359	0	903	13719	0	914	14084	0	925	14454	0	936	14829	0	947	15209	0	958	15594	0	969	15984	0	980	16379	0	991	16779	0	1002	17184	0	1013	17594	0	1024	18009	0	1035	18429	0	1046	18854	0	1057	19284	0	1068	19719	0	1079	20159	0	1090	20604	0	1101	21059	0	1112	21519	0	1123	21984	0	1134	22459	0	1145	22939	0	1156	23424	0	1167	23914	0	1178	24409	0	1189	24909	0	1200	25414	0	1211	25924	0	1222	26439	0	1233	26959	0	1244	27484	0	1255	28014	0	1266	28549	0	1277	29089	0	1288	29634	0	1299	30184	0	1310	30739	0	1321	31299	0	1332	31864	0	1343	32434	0	1354	33009	0	1365	33589	0	1376	34174	0	1387	34764	0	1398	35359	0	1409	35959	0	1420	36564	0	1431	37174	0	1442	37789	0	1453	38409	0	1464	39034	0	1475	39664	0	1486	40299	0	1497	40939	0	1508	41584	0	1519	42234	0	1530	42889	0	1541	43549	0	1552	44214	0	1563	44884	0	1574	45559	0	1585	46239	0	1596	46924	0	1607	47614	0	1618	48309	0	1629	49009	0	1640	49714	0	1651	50424	0	1662	51139	0	1673	51854	0	1684	52574	0	1695	53299	0	1706	54029	0	1717	54764	0	1728	55504	0	1739	56249	0	1750	56989	0	1761	57734	0	1772	58484	0	1783	59239	0	1794	59999	0	1805	60764	0	1816	61534	0	1827	62309	0	1838	63089	0	1849	63874	0	1860	64664	0	1871

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