



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

Certification Date: 24 Apr 2026
Expiration Date: 24 Apr 2027

Temporary 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.
This Temporary Certificate of Inspection is issued under the provision of Title 46 United States Code, Section 399, in lieu of the regular certificate of inspection, and shall be in force only until the receipt on board said vessel of the original certificate of inspection, this certificate in no case to be valid after one year from the date of inspection.

Vessel Name	Official Number	IMO Number	Call Sign	Service
CCL 423-T	1364187			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
GALVESTON, TX	24Apr2026	24Nov2025	R-1619	R-1619	891	R-297.6
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---

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

This vessel has been granted a freshwater service examination interval in accordance with 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 saltwater intervals per 46 CFR 31.10-21(a) (1) and the cognizant OCMI must be 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 HOUSTON, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Sector Houston-Galveston 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: Kelley M. Brown, DR, USCG, By Direction Officer in Charge, Marine Inspection Sector Houston-Galveston Inspection Zone
Date	Zone	A/P/R	Signature	



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Vessel Name: CCL 423-T

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	30Apr2036		
Internal Structure	30Apr2031		

--- 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
31264	Barrels	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 P/S	806	13.6
2 P/S	806	13.6
3 P/S	852	13.6

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3696	9ft 6in	13.6	R, LBS
III	4695	11ft 6in	13.6	R, LBS

Conditions Of Carriage

Only those hazardous cargoes named in the vessel's Cargo Authority Attachment, Serial No. C1-2601066 dated April 21, 2026, may be carried and then only in the tanks indicated, subject to the loading restrictions listed on the vessel's current stability letter.

When the vessel is carrying cargoes containing greater than 0.5% benzene, the person in charge is responsible for ensuring the provisions of 46 US Code of Federal Regulations Part 197, Subpart C are applied.

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 the figures, tables, and appendices of 46 CFR 150 in conjunction with the compatibility group numbers from the "Compat Group No" column listed in the vessel's CAA.

The maximum design density of cargo which may be filled to the tank top is 8.74 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

Per 46 CFR 151.10-15(c)(2) the max tank weights reflect uniform (within 5%) loading at the deepest draft allowed. When carrying Subchapter O cargoes at shallower drafts, the barge(s) should always be loaded uniformly.

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. C1-2502269 dated July 3, 2025, and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

--- Inspection Status ---



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Temporary Certificate of Inspection

Vessel Name: CCL 423-T

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 P/S	-	-	30Apr2036	-	-	-
2 P/S	-	-	30Apr2036	-	-	-
3 P/S	-	-	30Apr2026	-	-	-

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1 P/S	-	-	-	-
2 P/S	-	-	-	-
3 P/S	-	-	-	-

---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 #: C1-2601066
Dated: 21-Apr-26

Certificate of Inspection

Cargo Authority Attachment

Official #: 1364187

Shipyard: Southwest

Hull #: 9883

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Typ	Cargo Seg Tank	Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements		Elec Haz	Temp Cont
Tnk Grp	Tanks in Group	Density	Press.	Temp.			Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction		
A	1, 2, 3 P/S	14.07	Atmos.	Amb.	II	1ii 2ii	Integral Gravity	PV	Closed	II	G-1	NR	NA	Portable	50-60, 50-70(a), 50-70(b), 50-73, (h), (j), 56-1(a), (b), (c), (d), (e), (f), (g).	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	CAS Number	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'l's of		Insp. Period

Authorized Subchapter O Cargoes

Bis(2-ethylhexyl) terephthalate	N/A	PEC	34	D/O	E	II	A	No	N/A	No		G
Olefins (C13+, all isomers)	85535-87-1	OFZ	30	D/O	E	III	A	Yes	1			G
Acetonitrile	75-05-8	ATN	37	O	C	III	A	Yes	3	No		G
Acrylonitrile	N/A	ACN	15 ²	O	C	II	A	Yes	4	50-70(a), 55-1(e)		G
Adiponitrile	111-69-3	ADN	37	O	E	II	A	Yes	1	No		G
Alkyl (C7-C9) nitrates	20633-12-9*	AKN	34 ²	O	NA	III	A	Yes	1	50-81, 50-86		G
Aminoethyl ethanolamine	111-41-1	AEE	8	O	E	III	A	Yes	1	55-1(b)		G
Ammonium bisulfite solution (70% or less)	10192-30-0	ABX	43 ²	O	NA	III	A	No	N/A	50-73, 56-1(a), (b), (c)		G
Ammonium hydroxide (28% or less NH3)	1336-21-6	AMH	6	O	NA	III	A	No	N/A	56-1(a), (b), (c), (f), (g)		G
Anthracene oil (Coal tar fraction)	65996-91-0	AHO	33	O	NA	II	A	No	N/A	No		G
Benzene	71-43-2	BNZ	32	O	C	III	A	Yes	1	50-60		G
Benzene, C10-16 alkyl derivatives	N/A	BEND	32	O	D	III	A	No	N/A			G
Benzene and mixtures having 10% Benzene or more	N/A	BHB	32 ²	O	C	III	A	Yes	1	50-60		G
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	N/A	BHA	32 ²	O	C	III	A	Yes	1	50-60, 56-1(b), (d), (f), (g)		G
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	N/A	BTX	32	O	B/C	III	A	Yes	1	50-60		G
Butyl acrylate (all isomers)	141-32-2	BAR	14	O	D	III	A	Yes	2	50-70(a), 50-81(a), (b)		G
Butyl methacrylate	97-88-1	BMH	14	O	D	III	A	Yes	2	50-70(a), 50-81(a), (b)		G
Butyraldehyde (all isomers)	123-72-8	BAE	19	O	C	III	A	Yes	1	55-1(h)		G
Camphor oil (light)	8008-51-3	CPO	18	O	D	II	A	No	N/A	No		G
Carbon tetrachloride	56-23-5	CBT	36	O	NA	III	A	Yes	3	No		G
Caustic potash solution	1310-58-3	CPS	5 ²	O	NA	III	A	No	N/A	50-73, 55-1(j)		G
Caustic soda solution	1310-73-2	CSS	5 ²	O	NA	III	A	No	N/A	50-73, 55-1(j)		G

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Department of Homeland Security
United States Coast Guard

Serial #: C1-2601066

Dated: 21-Apr-26

Certificate of Inspection

Cargo Authority Attachment

Shipyard: Southwest

Hull #: 9883

Official #: 1364187

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Cargo Identification							Conditions of Carriage				
Name	CAS Number	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'l's of Construction	Insp. Period
Chemical Oil (refined, containing phenolics)	N/A	COD	21	O	E	II	A	No	N/A	.50-73	G
Chlorobenzene	108-90-7	CRB	36	O	D	III	A	Yes	1	No	G
Chloroform	67-66-3	CRF	36	O	NA	III	A	Yes	3	No	G
Coal tar naphtha solvent	8030-30-6	NCT	33	O	D	III	A	Yes	1	.50-73	G
Creosote	N/A	CCW	21 ²	O	E	III	A	Yes	1	No	G
Cresols (all isomers)	1319-77-3	CRS	21	O	E	III	A	Yes	1	No	G
Cresylate spent caustic	N/A	CSC	5	O	NA	III	A	No	N/A	.50-73, .55-1(b)	G
Cresylic acid tar	N/A	CRX	21	O	E	III	A	Yes	1	.55-1(f)	G
Crotonaldehyde	123-73-9	CTA	19 ²	O	C	II	A	Yes	4	.55-1(h)	G
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	N/A	CHG	19 ²	O	C	III	A	Yes	1	No	G
Cyclohexanone	108-94-1	CCH	18	O	D	III	A	Yes	1	.56-1(a), (b)	G
Cyclohexanone, Cyclohexanol mixture	N/A	CYX	18 ²	O	E	III	A	Yes	1	.56-1 (b)	G
Cyclohexylamine	N/A	CHA	7	O	D	III	A	Yes	1	.56-1(a), (b), (c), (g)	G
Cyclopentadiene, Styrene, Benzene mixture	N/A	CSB	30	O	D	III	A	Yes	1	.50-60, .56-1(b)	G
iso-Decyl acrylate	N/A	IAI	14	O	E	III	A	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)	G
Dichlorobenzene (all isomers)	25321-22-6	DBX	36	O	E	III	A	Yes	3	.56-1(a), (b)	G
1,1-Dichloroethane	75-34-3	DCH	36	O	C	III	A	Yes	1	No	G
2,2'-Dichloroethyl ether	N/A	DEE	41	O	D	II	A	Yes	1	.55-1(f)	G
Dichloromethane	75-09-2	DCM	36	O	NA	III	A	Yes	5	No	G
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	5742-19-8	DDE	43	O	E	III	A	No	N/A	.56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	2008-39-1	DAD	0 ^{1,2}	O	A	III	A	No	N/A	.56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	34075-45-1	DTI	43 ²	O	E	III	A	No	N/A	.56-1(a), (b), (c), (g)	G
1,1-Dichloropropane	78-99-9	DPB	36	O	C	III	A	Yes	3	No	G
1,2-Dichloropropane	78-87-5	DPP	36	O	C	III	A	Yes	3	No	G
1,3-Dichloropropane	142-28-9	DPC	36	O	C	III	A	Yes	3	No	G
1,3-Dichloropropene	N/A	DPU	15	O	D	II	A	Yes	4	No	G
Dichloropropene, Dichloropropane mixtures	8003-19-8	DMX	15	O	C	II	A	Yes	1	No	G
Diethanolamine	111-42-2	DEA	8	O	E	III	A	Yes	1	.55-1(c)	G
Diethylamine	109-89-7	DEN	7	O	C	III	A	Yes	3	.55-1(c)	G
Diethylenetriamine	111-40-0	DET	7 ²	O	E	III	A	Yes	1	.55-1(c)	G

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Certificate of Inspection

Cargo Authority Attachment

Shipyard: Southwest

Hull #: 9883

Official #: 1364187

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Cargo Identification							Conditions of Carriage				
Name	CAS Number	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
Diisobutylamine	110-96-3	DBU	7	O	D	III	A	Yes	3	.55-1(c)	G
Diisopropanolamine	110-97-4	DIP	8	O	E	III	A	Yes	1	.55-1(c)	G
Diisopropylamine	108-18-9	DIA	7	O	C	II	A	Yes	3	.55-1(c)	G
N,N-Dimethylacetamide	127-19-5	DAC	10	O	E	III	A	Yes	3	.56-1(b)	G
Dimethylethanolamine	108-01-0	DMB	8	O	D	III	A	Yes	1	.56-1(b), (c)	G
Dimethylformamide	68-12-2	DMF	10	O	D	III	A	Yes	1	.55-1(e)	G
Di-n-propylamine	142-84-7	DNA	7	O	C	II	A	Yes	3	.55-1(c)	G
1-Dodecene	N/A	DDC	30	O	E	II	A	No	N/A	No	G
Dodecyldimethylamine, Tetradecyldimethylamine mixture	112-18-5*	DOT	7	O	E	III	A	No	N/A	.56-1(b)	G
Dodecyl diphenyl ether disulfonate solution	N/A	DOS	43	O	#	II	A	No	N/A	No	G
EE Glycol Ether Mixture	N/A	EEG	40	O	D	III	A	No	N/A	No	G
Ethanolamine	141-43-5	MEA	8	O	E	III	A	Yes	1	.55-1(c)	G
Ethyl acrylate	140-88-5	EAC	14	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)	G
Ethylamine solutions (72% or less)	75-04-7	EAN	7	O	A	II	A	Yes	6	.55-1(b)	G
N-Ethylbutylamine	13360-63-9	EBA	7	O	D	III	A	Yes	3	.55-1(b)	G
N-Ethylcyclohexylamine	5459-93-8	ECC	7	O	D	III	A	Yes	1	.55-1(b)	G
Ethylene cyanohydrin	109-78-4	ETC	20	O	E	III	A	Yes	1	No	G
Ethylenediamine	107-15-3	EDA	7 ²	O	D	III	A	Yes	1	.55-1(c)	G
Ethylene dichloride	107-06-2	EDC	36 ²	O	C	III	A	Yes	1	No	G
Ethylene glycol hexyl ether	112-25-4	EGH	40	O	E	III	A	No	N/A	No	G
Ethylene glycol monoalkyl ethers	N/A	EGC	40	O	D/E	III	A	Yes	1	No	G
Ethylene glycol propyl ether	2807-30-9	EGP	40	O	E	III	A	Yes	1	No	G
2-Ethylhexyl acrylate	103-11-7	EAI	14	O	E	III	A	Yes	2	.50-70(a), .50-81(a), (b)	G
Ethyl methacrylate	97-63-2	ETM	14	O	D/E	III	A	Yes	2	.50-70(a)	G
2-Ethyl-3-propylacrolein	645-62-5	EPA	19 ²	O	E	III	A	Yes	1	No	G
Formaldehyde solution (37% to 50%)	50-00-0	FMS	19 ²	O	D/E	III	A	Yes	1	.55-1(h)	G
Furfural	98-01-1	FFA	19	O	D	III	A	Yes	1	.55-1(h)	G
Glutaraldehyde solutions (50% or less)	111-30-8	GTA	19	O	NA	III	A	No	N/A	No	G
Hexamethylenediamine solution	124-09-4	HMC	7	O	E	III	A	Yes	1	.55-1(c)	G
Hexamethyleneimine	111-49-9	HMI	7	O	C	II	A	Yes	1	.56-1(b), (c)	G
Hydrocarbon 5-9	N/A	HFN	31	O	C	III	A	Yes	1	.50-70(a), .50-81(a), (b)	G
Isoprene	78-79-5	IPR	30	O	A	III	A	Yes	7	.50-70(a), .50-81(a), (b)	G

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Isoprene, Pentadiene mixture	N/A	IPN	30	O	B	III	A	No	N/A	.50-70(a), .55-1(c)	G
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	68131-33-9	KPL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)	G
Mesityl oxide	141-79-7	MSO	18 ²	O	D	III	A	Yes	1	No	G
Methyl acrylate	96-33-3	MAM	14	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)	G
Methylcyclopentadiene dimer	26472-00-4	MCK	30	O	C	III	A	Yes	1	No	G
Methyl diethanolamine	105-59-9	MDE	8	O	E	III	A	Yes	1	.56-1(b), (c)	G
2-Methyl-5-ethyl pyridine	104-90-5	MEP	9	O	E	III	A	Yes	1	.55-1(e)	G
Methyl methacrylate	80-62-6	MMM	14	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)	G
2-Methylpyridine	109-06-8	MPR	9	O	D	III	A	Yes	3	.55-1(c)	G
alpha-Methylstyrene	98-83-9	MSR	30	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)	G
Morpholine	110-91-8	MPL	7 ²	O	D	III	A	Yes	1	.55-1(c)	G
Nitroethane	79-24-3	NTE	42	O	D	II	A	No	N/A	.50-81, .56-1(b)	G
1- or 2-Nitropropane	108-03-2	NPM	42	O	D	III	A	Yes	1	.50-81	G
Corn oil	8001-30-7	OCO	34	O	E	II	A	No	N/A	.50-73	G
1,3-Pentadiene	1574-41-0	PDE	30	O	A	III	A	Yes	7	.50-70(a), .50-81	G
Perchloroethylene	127-18-4	PER	36	O	NA	III	A	No	N/A	No	G
Polyethylene polyamines	109-89-7	PEB	7 ²	O	E	III	A	Yes	1	.55-1(e)	G
Potassium chloride solution (brine)	N/A	PCSB	0	O	NA	III	A	No	N/A		G
iso-Propanolamine	78-96-6	MPA	8	O	E	III	A	Yes	1	.55-1(c)	G
Propanolamine (iso-, n-)	N/A	PAX	8	O	E	III	A	Yes	1	.56-1(b), (c)	G
Isopropylamine	75-31-0	IPP	7	O	A	II	A	Yes	5	.55-1(c)	G
Pyridine	110-86-1	PRD	9	O	C	III	A	Yes	1	.55-1(e)	G
Solution containing ammonium thiosulfate (≤60%), ammonium sulfate (≤6%) and ammonium sulfite (≤5%)		ATAS	0	O	NA	III	A	No	N/A		G
Sodium aluminate solution (45% or less)	11138-49-1	SAU	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)	G
Sodium chlorate solution (50% or less)	7775-09	SDD	0 1,2	O	NA	III	A	No	N/A	.50-73	G
Sodium hypochlorite solution (20% or less)	7681-52-9	SHQ	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b)	G
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	N/A	SSH	0 1,2	O	NA	III	A	Yes	1	.50-73, .55-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	N/A	SSI	0 1,2	O	NA	III	A	No	N/A	.50-73, .55-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	N/A	SSJ	0 1,2	O	NA	II	A	No	N/A	.50-73, .55-1(b)	G

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Spent Caustic Soda Solution (containing up to 0.1% Benzene)	N/A	SCSS	5	O	NA	III	A	No	N/A	.50-60, .50-73, .55-1(g)		G
Styrene (crude)	N/A	STX	30	O	D	III	A	Yes	2	No		G
Styrene monomer	100-42-5	STY	30	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)		G
Tetrachloroethane	79-34-5	TEC	36	O	NA	III	A	No	N/A	No		G
Tetraethylene pentamine	112-57-2	TTP	7	O	E	III	A	Yes	1	.55-1(c)		G
Tetrahydrofuran	109-99-9	THF	41	O	C	III	A	Yes	1	.50-70(b)		G
1,2,4-Trichlorobenzene	120-82-1	TCB	36	O	E	III	A	Yes	1	No		G
1,1,2-Trichloroethane	79-00-5	TCM	36	O	NA	III	A	Yes	1	.50-73, .56-1(a)		G
Trichloroethylene	79-01-6	TCL	36 ²	O	NA	III	A	Yes	1	No		G
1,2,3-Trichloropropane	96-18-4	TCN	36	O	E	II	A	Yes	3	.50-73, .56-1(a)		G
Triethanolamine	102-71-6	TEA	8 ²	O	E	III	A	Yes	1	.55-1(b)		G
Triethylamine	121-44-8	TEN	7	O	C	II	A	Yes	3	.55-1(e)		G
Triethylenetetramine	112-24-3	TET	7 ²	O	E	III	A	Yes	1	.55-1(b)		G
Triphenylborane (10% or less), caustic soda solution	960-71-4	TPB	5	O	NA	III	A	No	N/A	.56-1(a), (b), (c)		G
Trisodium phosphate solution	10101-89-0	TSP	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c)		G
Urea, Ammonium nitrate solution (containing more than 2% NH ₃)	N/A	UAS	6	O	NA	III	A	No	N/A	.56-1(b)		G
Vanillin black liquor (free alkali content, 3% or more)	68514-06-7	VBL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)		G
Vinyl acetate	108-05-4	VAM	13	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)		G
Vinyl neodecanoate	51000-52-3	VND	13	O	E	III	A	No	N/A	.50-70(a), .50-81(a), (b)		G
Vinyltoluene	25013-15-4	VNT	13	O	D	III	A	Yes	2	.50-70(a), .50-81, .56-1(a), (b), (c), (		G

Subchapter D Cargoes Authorized for Vapor Control

Acetone	67-64-1	ACT	18 ²	D	C		A	Yes	1
Acetophenone	98-86-2	ACP	18	D	E		A	Yes	1
Alcohol (C12-C16) poly(20+) ethoxylates	68551-12-2*	APW	20	D	E		A	Yes	1
Alcohol (C6-C17) (secondary) poly(3-6) ethoxylates	84133-50-6*	AEA	20	D	E		A	Yes	1
Alcohol (C6-C17) (secondary) poly(7-12) ethoxylates	84133-50-6*	AEB	20	D	E		A	Yes	1
Alcohols (C13+)	112-70-9*	ALY	20	D	E		A	Yes	1
Amyl acetate (all isomers)	628-63-7	AEC	34	D	D		A	Yes	1
Amyl alcohol (iso-, n-, sec-, primary)	N/A	AAI	20	D	D		A	Yes	1
Benzyl acetate	140-11-4	BZE	34	D	E		A	Yes	1

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								App'd (Y or N)	VCS Category		
Benzyl alcohol	100-51-6	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)	N/A	BFY	20	D	E		A	Yes	1		
Butyl acetate (all isomers)	123-86-4	BAX	34	D	D		A	Yes	1		
Isobutyl alcohol	78-83-1	IAL	20 ²	D	D		A	Yes	1		
Butyl alcohol (n-)	N/A	BAN	20 ²	D	D		A	Yes	1		
Butyl alcohol (sec-)	N/A	BAS	20 ²	D	C		A	Yes	1		
tert-Butyl Alcohol	N/A	BAT	20 ²	D	C		A	Yes	1		
Butyl benzyl phthalate	85-68-7	BPH	34	D	E		A	Yes	1		
Butyl toluene	1595-05-7	BUE	32	D	D		A	Yes	1		
Caprolactam solutions	105-60-2	CLS	22	D	E		A	Yes	1		
Cycloheptane	291-64-5	CYE	31	D	C		A	Yes	1		
Cyclohexane	110-82-7	CHX	31	D	C		A	Yes	1		
Cyclohexanol	108-93-0	CHN	20	D	E		A	Yes	1		
Cyclohexyl acetate	622-45-7	CYC	34	D	D		A	Yes	1		
1,3-Cyclopentadiene dimer (molten)	7313-32-8	CPD	30	D	D/E		A	Yes	2		
Cyclopentane	287-92-3	CYP	31	D	B		A	Yes	1		
p-Cymene	99-87-6	CMP	32	D	D		A	Yes	1		
iso-Decaldehyde	N/A	IDA	19	D	E		A	Yes	1		
n-Decaldehyde	N/A	DAL	19	D	E		A	Yes	1		
Decanoic acid	334-48-5	DCO	4	D	#		A	Yes	1		
Decene	872-05-9	DCE	30	D	D		A	Yes	1		
Decyl alcohol (all isomers)	85566-12-7	DAX	20 ²	D	E		A	Yes	1		
n-Decylbenzene, see Alkyl(C9+)benzenes	104-72-3	DBZ	32	D	E		A	Yes	1		
Diacetone alcohol	123-42-2	DAA	20 ²	D	D		A	Yes	1		
Dibutyl phthalate	84-74-2	DPA	34	D	E		A	Yes	1		
Diethylbenzene	25340-17-4	DEB	32	D	D		A	Yes	1		
Diethylene glycol	111-46-6	DEG	40 ²	D	E		A	Yes	1		
Diisobutylene	25167-70-8	DBL	30	D	C		A	Yes	1		
Diisobutyl ketone	108-83-8	DIK	18	D	D		A	Yes	1		
Diisopropylbenzene (all isomers)	25321-09-9	DIX	32	D	E		A	Yes	1		
Dimethyl phthalate	131-11-3	DTL	34	D	E		A	Yes	1		
Diocetyl phthalate	117-84-0	DOP	34	D	E		A	Yes	1		

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								App'd (Y or N)	VCS Category		
Dipentene	138-86-3	DPN	30	D	D		A	Yes	1		
Diphenyl	92-52-4	DIL	32	D	D/E		A	Yes	1		
Diphenyl, Diphenyl ether mixtures	8004-13-5	DDO	33	D	E		A	Yes	1		
Diphenyl ether	101-84-8	DPE	41	D	{E}		A	Yes	1		
Dipropylene glycol	25265-71-8	DPG	40	D	E		A	Yes	1		
Distillates: Flashed feed stocks	8002-05-9	DFF	33	D	E		A	Yes	1		
Distillates: Straight run	68814-87-9	DSR	33	D	E		A	Yes	1		
Dodecene (all isomers)	25378-22-7	DOZ	30	D	D		A	Yes	1		
Dodecylbenzene	123-01-3	DDB	32	D	E		A	Yes	1		
2-Ethoxyethyl acetate	111-15-9	EEA	34	D	D		A	Yes	1		
Ethoxy triglycol (crude)	112-50-5	ETG	40	D	E		A	Yes	1		
Ethyl acetate	141-78-6	ETA	34	D	C		A	Yes	1		
Ethyl acetoacetate	141-97-9	EAA	34	D	E		A	Yes	1		
Ethyl alcohol	64-17-5	EAL	20 ²	D	C		A	Yes	1		
Ethylbenzene	100-41-4	ETB	32	D	C		A	Yes	1		
Ethyl butanol	97-95-0	EBT	20	D	D		A	Yes	1		
Ethyl tert-butyl ether	637-92-3	EBE	41	D	C		A	Yes	1		
Ethyl butyrate	105-54-4	EBR	34	D	D		A	Yes	1		
Ethyl cyclohexane	1678-91-7	ECY	31	D	D		A	Yes	1		
Ethylene glycol	107-21-1	EGL	20 ²	D	E		A	Yes	1		
Ethylene glycol butyl ether acetate	112-07-2	EMA	34	D	E		A	Yes	1		
Ethylene glycol diacetate	111-55-7	EGY	34	D	E		A	Yes	1		
Ethylene glycol phenyl ether	122-99-6	EPE	40	D	E		A	Yes	1		
Ethyl-3-ethoxypropionate	763-69-9	EEP	34	D	D		A	Yes	1		
2-Ethylhexanol	104-76-7	EHX	20	D	E		A	Yes	1		
Ethyl propionate	105-37-3	EPR	34	D	C		A	Yes	1		
Ethyl toluene	25550-14-5	ETE	32	D	D		A	Yes	1		
Formamide	75-12-7	FAM	10	D	E		A	Yes	1		
Furfuryl alcohol	98-00-0	FAL	20 ²	D	E		A	Yes	1		
Gasoline blending stocks: Alkylates	64741-64-6	GAK	33	D	C		A	Yes	1		
Gasoline blending stocks: Reformates	8006-61-9	GRF	33	D	C		A	Yes	1		
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	86290-81-5	GAT	33	D	A/C		A	Yes	1		



Department of Homeland Security
United States Coast Guard

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								App'd (Y or N)	VCS Category		
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	N/A	GAV	33	D	C		A	Yes	1		
Gasolines: Casinghead (natural)	68425-31-0	GCS	33	D	A/C		A	Yes	1		
Gasolines: Polymer	8006-61-9	GPL	33	D	C		A	Yes	1		
Gasolines: Straight run	68606-11-1	GSR	33	D	A/C		A	Yes	1		
Glycerine	56-81-5	GCR	20 ²	D	E		A	Yes	1		
Heptane (all isomers)	142-82-5	HMX	31	D	C		A	Yes	1		
n-Heptanoic acid	111-14-8	HEN	4	D	E		A	Yes	1		
Heptanol (all isomers)	111-70-6	HTX	20	D	D/E		A	Yes	1		
Heptene (all isomers)	592-76-7	HPX	30	D	C		A	Yes	2		
Heptyl acetate	112-06-1	HPE	34	D	E		A	Yes	1		
Hexane (all isomers)	110-54-3	HXS	31 ²	D	B/C		A	Yes	1		
Hexanoic acid	142-62-1	HXO	4	D	E		A	Yes	1		
Hexanol	N/A	HXN	20	D	D		A	Yes	1		
Hexene (all isomers)	592-41-6	HEX	30	D	C		A	Yes	2		
Hexylene glycol	107-41-5	HXG	20	D	E		A	Yes	1		
Isophorone	78-59-1	IPH	18 ²	D	E		A	Yes	1		
Jet fuel: JP-4	50815-00-4	JPF	33	D	E		A	Yes	1		
Jet fuel: JP-5 (kerosene, heavy)	8008-20-6	JPV	33	D	D		A	Yes	1		
Kerosene	8008-20-6	KRS	33	D	D		A	Yes	1		
Lauric acid	143-07-7	LRA	34	D	#		A	Yes	1		
Methyl acetate	79-20-9	MTT	34	D	D		A	Yes	1		
Methyl alcohol	67-56-1	MAL	20 ²	D	C		A	Yes	1		
Methylamyl acetate	7789-99-3	MAC	34	D	D		A	Yes	1		
Methylamyl alcohol	108-11-2	MAA	20	D	D		A	Yes	1		
Methyl amyl ketone	110-43-0	MAK	18	D	D		A	Yes	1		
Methyl tert-butyl ether	1634-04-4	MBE	41 ²	D	C		A	Yes	1		
Methyl butyl ketone	N/A	MBK	18	D	C		A	Yes	1		
Methyl butyrate	623-42-7	MBU	34	D	C		A	Yes	1		
Methylcyclohexane	591-47-9	MCY	31	D	C		A	Yes	1		
Methyl ethyl ketone	78-93-3	MEK	18 ²	D	C		A	Yes	1		
Methyl formate	107-31-3	MFM	34	D	A		A	Yes	6		
Methyl heptyl ketone	821-55-6	MHK	18	D	D		A	Yes	1		
2-Methyl-2-hydroxy-3-butyne	115-19-5	MHB	20	D	C		A	Yes	1		

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Name	CAS Number	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
Methyl isobutyl ketone	108-10-1	MIK	18 ²	D	C		A	Yes	1		
Mineral spirits	64475-85-0	MNS	33	D	D		A	Yes	1		
Myrcene	123-35-3	MRE	30	D	D		A	Yes	1		
Naphtha: Heavy	64742-94-5	NAG	33	D	#		A	Yes	1		
Naphtha: Petroleum	64742-94-5	PTN	33	D	#		A	Yes	1		
Naphtha: Solvent	64742-94-5	NSV	33	D	D		A	Yes	1		
Naphtha: Stoddard solvent	8052-41-3	NSS	33	D	D		A	Yes	1		
Naphtha: Varnish makers and painters (75%)	8032-32-4	NVM	33	D	C		A	Yes	1		
Neodecanoic acid	26896-20-8	NEA	4	D	E		A	Yes	1		
Nonane (all isomers)	111-84-2	NAX	31	D	D		A	Yes	1		
Nonene (all isomers)	N/A	NON	30	D	D		A	Yes	2		
Nonyl alcohol (all isomers)	143-08-8	NNS	20 ²	D	E		A	Yes	1		
Nonyl phenol	25154-52-3	NNP	21	D	E		A	Yes	1		
Nonyl phenol poly(4+)ethoxylates	9016-45-9	NPE	40	D	E		A	Yes	1		
Octane (all isomers)	111-65-9	OAX	31	D	C		A	Yes	1		
Octanoic acid (all isomers)	124-07-2	OAY	4	D	E		A	Yes	1		
Octanol (all isomers)	111-87-5	OCX	20 ²	D	E		A	Yes	1		
Octene (all isomers)	111-66-0	OTX	30	D	C		A	Yes	2		
Oil, fuel: No. 2	68476-30-2	OTW	33	D	D/E		A	Yes	1		
Oil, fuel: No. 2-D	N/A	OTD	33	D	D		A	Yes	1		
Oil, fuel: No. 4	68553-00-4	OFR	33	D	D/E		A	Yes	1		
Oil, fuel: No. 5	70892-11-4	OFV	33	D	D/E		A	Yes	1		
Oil, fuel: No. 6	68553-00-4	OSX	33	D	E		A	Yes	1		
Oil, misc: Crude	N/A	OIL	33	D	A/D		A	Yes	1		
Oil, misc: Diesel	68334-30-5	ODS	33	D	D/E		A	Yes	1		
Oil, misc: Gas, high pour	8006-61-9	OGP	33	D	E		A	Yes	1		
Oil, misc: Lubricating	93572-43-1	OLB	33	D	E		A	Yes	1		
Oil, misc: Residual	68476-33-5	ORL	33	D	E		A	Yes	1		
Oil, misc: Turbine	N/A	OTB	33	D	E		A	Yes	1		
alpha-Olefins (C6-C18) mixtures	592-41-6	OAM	30	D	E		A	Yes	1		
Pentene (all isomers)	109-67-1	PTX	30	D	A		A	Yes	5		
n-Pentyl propionate	624-54-4	PPE	34	D	D		A	Yes	1		
alpha-Pinene	7785-26-4	PIO	30	D	D		A	Yes	1		

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								App'd (Y or N)	VCS Category		
beta-Pinene	127-91	PIP	30	D	D		A	Yes	1		
Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether	N/A	PAG	40	D	E		A	Yes	1		
Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether acetate	N/A	PAF	34	D	E		A	Yes	1		
Polybutene	9003-29-6	PLB	30	D	E		A	Yes	1		
Polypropylene glycol	25322-69-4	PGC	40	D	E		A	Yes	1		
Propionaldehyde	123-38-6	PAD	19	D	C		A	Yes	2		
Isopropyl acetate	108-21-4	IAC	34	D	C		A	Yes	1		
n-Propyl acetate	109-60-4	PAT	34	D	C		A	Yes	1		
Isopropyl alcohol	67-63-0	IPA	20 ^{2,3}	D	C		A	Yes	1		
n-Propyl alcohol	71-23-8	PAL	20 ²	D	C		A	Yes	1		
Propylbenzene (all isomers)	103-65-1	PBY	32	D	D		A	Yes	1		
Isopropylcyclohexane	696-29-7	IPX	31	D	D		A	Yes	1		
Propylene glycol	57-55-6	PPG	20 ²	D	E		A	Yes	1		
Propylene glycol methyl ether acetate	108-65-6	PGN	34	D	D		A	Yes	1		
Propylene tetramer	6842-15-5	PTT	30	D	D		A	Yes	1		
Sulfolane	126-33-0	SFL	39	D	E		A	Yes	1		
Tetraethylene glycol	112-60-7	TTG	40	D	E		A	Yes	1		
Tetrahydronaphthalene	119-64-2	THN	32	D	E		A	Yes	1		
Tetramethylbenzene (all isomers)	527-53-7	TTC	32	D	#		A	Yes	1		
Toluene	108-88-3	TOL	32	D	C		A	Yes	1		
Tricresyl phosphate (containing less than 1% ortho isomer)	1330-78-5	TCP	34	D	E		A	Yes	1		
Triethylbenzene	102-25-0 (1,3,5)	TEB	32	D	E		A	Yes	1		
Triethylene glycol	112-27-6	TEG	40	D	E		A	Yes	1		
Triethyl phosphate	78-40-0	TPS	34	D	E		A	Yes	1		
Trimethylbenzene (all isomers)	95-63-6 (1,2,4)	TRE	32	D	{D}		A	Yes	1		
2,2,4-Trimethyl-1,3-pentanediol-1-isobutyrate	18491-15-1	TMP	34	D	E		A	Yes	1		
Trixylyl phosphate	N/A	TRP	34	D	E		A	Yes	1		
1-Undecene	821-95-4	UDC	30	D	D/E		A	Yes	1		
Undecyl alcohol	112-42-5	UND	20	D	E		A	Yes	1		
Xylenes	106-42-3	XLX	32	D	D		A	Yes	1		



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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 additional compatibility information, contact Commandant (CG-ENG-5), 2703 Martin Luther King Jr. Ave SE Stop 7509, Washington DC 20593-7509. Email: hazmatstandards@uscg.mil.
Note 2	See Appendix I to 46 CFR Part 150 - exceptions to the compatibility chart.
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D	Those flammable and combustible liquids listed in 46 CFR Table 30.25-1.
Subchapter O	Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.
Note 3	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	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo.
Approved (Y or N)	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	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo.
Approved (Y or N)	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 39.2011) and the pressure drop calculations (46 CFR 39.3001) 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 39.2009. 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.



SOUTHWEST SHIPYARD, L.P.

F-7.5.1(R).19-E

18310 Market Street, Channelview, Texas 77530 Phone: 281-860-3200 Fax: 281-860-3215
8502 Cypress Street, Houston, Texas 77012 Phone: 713-967-6300 Fax: 713-967-6301
1002 Texas Clipper Rd., Galveston, Texas 77554 Phone: 409-740-3755 Fax: 409-740-3451

BARGE VAPOR - TIGHTNESS DOCUMENT

THE FOLLOWING BARGE WAS TESTED IN ACCORDANCE WITH THE NATIONAL EMISSION STANDARD FOR BENZENE EMISSIONS FROM BENZENE TRANSFER OPERATIONS, 40 CFR – Sub-Chapter C, PART 61, SECTION 304(f), MARINE VESSEL VAPOR TIGHTNESS REQUIREMENTS.

BARGE NAME/NUMBER: CCL 423-T

BARGE OWNER: Chen Corries

OWNER ADDRESS: 1237 Highway 75 Sunshine LA 70780

TESTING
LOCATION:

SOUTHWEST SHIPYARD, L.P.
18310 MARKET STREET
CHANNELVIEW, TX 77530

SOUTHWEST SHIPYARD, L.P.
8502 CYPRESS
HOUSTON, TX 77012

SOUTHWEST SHIPYARD, L.P.
1002 TEXAS CLIPPER RD.
GALVESTON, TX 77554

Identify Location by Checking Box

☐☐☒

DATE OF TEST: 4-15-26

SWSLP TESTER/POSITION: VICTOR ARMENTA

SWSLP TESTER SIGNATURE: Victor Armenta

WITNESSING SWSLP INSPECTOR/POSITION: Scott Siler Project Manager

SWSLP INSPECTOR SIGNATURE: Scott Siler

TEST RESULTS

THIS BARGE HAS BEEN TESTED IN ACCORDANCE WITH 40 CFR, PART 61, SECTION 304(F) AND IS CONSIDERED VAPOR TIGHT.

TIME START: 10:00 AM

STARTING PRESSURE: 4.8 PSI

TIME STOP: 10:25 AM

ENDING PRESSURE: 5.1 PSI



SOUTHWEST SHIPYARD, L.P.

F-7.5.1(R).6.2-E

18310 Market Street, Channelview, Texas 77530 Phone: 281-860-3200 Fax: 281-860-3215
8502 Cypress Street, Houston, Texas 77012 Phone: 713-967-6300 Fax: 713-967-6301
1002 Texas Clipper Rd., Galveston, Texas 77554 Phone: 409-740-3755 Fax: 409-740-3451

BARGE PIPELINE HYDROSTATIC TEST

THE FOLLOWING BARGE WAS TESTED IN ACCORDANCE WITH 33 CFR – PART 156.170, SECTION (c)(4) & (e), EQUIPMENT TESTS AND INSPECTIONS REQUIREMENTS.

BARGE NAME/NUMBER: CCL 423-T

BARGE OWNER: Chem Carriers

OWNER ADDRESS: 1237 Highway 75 Sunshine LA 70780

TESTING
LOCATION:

SOUTHWEST SHIPYARD, L.P.
18310 MARKET STREET
CHANNELVIEW, TX 77530

SOUTHWEST SHIPYARD, L.P.
8502 CYPRESS
HOUSTON, TX 77012

SOUTHWEST SHIPYARD, L.P.
1002 TEXAS CLIPPER RD.
GALVESTON, TX 77554

Identify Location by Checking Box

☐☐☒

DATE OF TEST: 4-15-26

SWSLP TESTER/POSITION: VICTOR ARMENTA

SWSLP TESTER SIGNATURE: Victor Armenta

WITNESSING SWSLP INSPECTOR/POSITION: Scott Solter P.M.

SWSLP INSPECTOR SIGNATURE: Scott Solter

TEST RESULTS

THIS BARGE HAS BEEN TESTED IN ACCORDANCE WITH 33 CFR, PART 156.170, SECTION (C)(4) AND (E) WITH HYDROSTATIC TESTING.

TIME START: 8:00 TIME STOP: 8:17

TEST PRESSURE: 225 PSI WITH MINIMUM HOLD TIME OF 10 MINUTES

ENDING PRESSURE: 225 PSI

NO LEAKS DETECTED AT JOINTS, CONNECTIONS AND HIGH STRESS REGIONS AROUND OPENINGS AND THICKNESS TRANSITIONS.

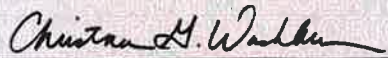
Certificate of Financial Responsibility (COFR)

<https://www.uscg.mil/Mariners/National-Pollution-Funds-Center/COFRs/ECOFR-Active-Vessel-Status/>

Updated: 05/12/2026 0950

Vessel Name	Vin	Vsl Vessel Type Desc	Vessel Type Code	Gross Tonnage	Case Control ID	Examiner ID	Operator Name	Effective Date	Expiration Date
CCL 1	D518612	TANKBARGE	50	812	841310	22	CHEM CARRIERS, L.L.C	9/2/2025	9/2/2028
CCL 2	D510107	TANKBARGE	50	855	841310	22	CHEM CARRIERS, L.L.C	6/23/2023	6/23/2026
CCL 3	D296363	TANKBARGE	50	822	841310	22	CHEM CARRIERS, L.L.C	10/3/2023	10/3/2026
CCL 4	D512519	TANKBARGE	50	860	841310	22	CHEM CARRIERS, L.L.C	4/7/2025	4/7/2028
CCL 6	D530996	TANKBARGE	50	798	841310	22	CHEM CARRIERS, L.L.C	1/26/2025	1/26/2028
CCL 7	D551980	TANKBARGE	50	773	841310	22	CHEM CARRIERS, L.L.C	11/27/2023	11/27/2026
CCL 8	D551982	TANKBARGE	50	773	841310	22	CHEM CARRIERS, L.L.C	9/27/2025	9/27/2028
CCL 9	D551983	TANKBARGE	50	773	841310	22	CHEM CARRIERS, L.L.C	2/19/2026	2/19/2029
CCL 10	D551979	TANKBARGE	50	773	841310	22	CHEM CARRIERS, L.L.C	12/12/2023	12/12/2026
CCL 11	D551976	TANKBARGE	50	773	841310	22	CHEM CARRIERS, L.L.C	9/29/2025	9/29/2028
CCL 14	D4497784	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	9/22/2025	9/22/2028
CCL 15	D1164452	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	3/1/2024	3/1/2027
CCL 16	D1164666	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	9/14/2024	9/14/2027
CCL 17	D1166179	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	12/19/2025	12/19/2028
CCL 18	D1168981	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	7/1/2023	7/1/2026
CCL 19	D1168980	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	8/24/2023	8/24/2026
CCL 20	D1191598	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	2/27/2025	2/27/2028
CCL 21	D1191599	TANKBARGE	50	793	841310	22	CHEM CARRIERS, L.L.C	2/26/2025	2/26/2028
CCL 22	D1191600	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	1/13/2025	1/13/2028
CCL 23	D1191601	TANKBARGE	50	793	841310	22	CHEM CARRIERS, L.L.C	4/20/2025	4/20/2028
CCL 24	D1196547	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	8/11/2023	8/11/2026
CCL 25	D1196548	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	8/11/2023	8/11/2026
CCL 26	D1203816	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	2/11/2025	2/11/2028
CCL 27	D1203817	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	5/3/2024	5/3/2027
CCL 28	D1212828	TANKBARGE	50	793	841310	22	CHEM CARRIERS, L.L.C	9/9/2023	9/9/2026
CCL 29	D1212829	TANKBARGE	50	793	841310	22	CHEM CARRIERS, L.L.C	9/22/2023	9/22/2026
CCL 30	D1305871	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	10/1/2023	10/1/2026
CCL 31	D1305870	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	10/1/2023	10/1/2026
CCL 32	D1305869	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	11/13/2023	11/13/2026
CCL 33	D1305868	TANKBARGE	50	735	841310	22	CHEM CARRIERS, L.L.C	11/13/2023	11/13/2026
CCL 401	D1216671	TANKBARGE	50	2001	841310	22	CHEM CARRIERS, L.L.C	4/13/2024	4/13/2027
CCL 402	D1219910	TANKBARGE	50	1754	841310	22	CHEM CARRIERS, L.L.C	4/29/2024	4/29/2027
CCL 403	D1231311	TANKBARGE	50	1691	841310	22	CHEM CARRIERS, L.L.C	2/8/2026	2/8/2029
CCL 404	D1231312	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	2/23/2026	2/23/2029
CCL 405	D1236867	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	1/1/2024	1/1/2027
CCL 406	D1236866	TANKBARGE	50	1691	841310	22	CHEM CARRIERS, L.L.C	1/27/2024	1/27/2027
CCL 407	D1246320	TANKBARGE	50	1754	841310	22	CHEM CARRIERS, L.L.C	8/22/2025	8/22/2028
CCL 408	D1246097	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	8/7/2025	8/7/2028
CCL 409	D1246098	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	10/2/2025	10/2/2028
CCL 410	D1255906	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	9/3/2023	9/3/2026
CCL 411	D1255907	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	9/25/2023	9/25/2026
CCL 414-L	D1262941	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	9/23/2024	9/23/2027
CCL 415-T	D1262942	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	9/28/2024	9/28/2027
CCL 416-T	D1264691	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	1/20/2025	1/20/2028
CCL 417-T	D1298307	TANKBARGE	50	1769	841310	22	CHEM CARRIERS, L.L.C	12/19/2025	12/19/2028
CCL 418-L	D1306896	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	11/13/2023	11/13/2026
CCL 419-L	D1306897	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	1/5/2024	1/5/2027
CCL 420-T	D1348560	TANKBARGE	50	1619	841310	22	CHEM CARRIERS, L.L.C	2/12/2025	2/12/2028
CCL 421-T	D1352615	TANKBARGE	50	1616	841310	22	CHEM CARRIERS, L.L.C	8/28/2025	8/28/2028
CCL 422-T	D1364186	TANK BARGE	50	1616	841310	22	CHEM CARRIERS, L.L.C	5/5/2026	5/5/2029
CCL 423-T	D1364187	TANK BARGE	50	1616	841310	22	CHEM CARRIERS, L.L.C	4/14/2026	4/14/2029
CCL 424-T	D1359105	TANKBARGE	50	1616	841310	22	CHEM CARRIERS, L.L.C	3/12/2026	3/12/2029
AX 3202	D1089031	TANKBARGE	50	1754	841310	22	CHEM CARRIERS, L.L.C	6/11/2024	6/11/2027
MERLIN BANTA	D249614	TUG AND TOWBOAT	51	384	841310	22	CHEM CARRIERS, L.L.C	11/24/2024	11/24/2027

**UNITED STATES OF AMERICA****DEPARTMENT OF HOMELAND SECURITY
UNITED STATES COAST GUARD****NATIONAL VESSEL DOCUMENTATION CENTER*****CERTIFICATE OF DOCUMENTATION***

VESSEL NAME CCL 423-T		OFFICIAL NUMBER 1364187	IMO OR OTHER NUMBER 9883	YEAR COMPLETED 2026	
HAILING PORT NEW ORLEANS LA		HULL MATERIAL STEEL		MECHANICAL PROPULSION NO	
GROSS TONNAGE 1619 GRT	NET TONNAGE 1619 NRT	LENGTH 297.6	BREADTH 54.0	DEPTH 12.0	
PLACE BUILT GALVESTON TX					
OWNERS STEPHEN LAPLACE TRUSTEE OF THE FRANK BANTA JR 2012 GRANTOR TRUST		OPERATIONAL ENDORSEMENTS COASTWISE			
MANAGING OWNER STEPHEN LAPLACE 1237 HIGHWAY 75 SUNSHINE LA 70780					
RESTRICTIONS NO RECREATION - BARGE, 79 FEET OR MORE IN LENGTH, MEASURED UNDER SIMPLIFIED SYSTEM					
ENTITLEMENTS NONE					
REMARKS None					
ISSUE DATE APRIL 30, 2026		 DIRECTOR, NATIONAL VESSEL DOCUMENTATION CENTER			
THIS CERTIFICATE EXPIRES APRIL 30, 2027					



CCL 423-T

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
11. Vapor Control Procedures

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. It has also been certified to carry vapor products. Reference Certificate of Inspection.

PARTS 2. DESCRIPTION OF CARGO TRANSFER SYSTEM

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

The 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)

- 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.~~
- 2). CCL 423-T is equipped with a separate containment area for

the cargo trunk top and the aft deck area. Each containment area is equipped with drains and scupper plugs. Plugs should be installed prior to cargo transfer and removed after the cargo transfer is complete. PIC should notify Chem Carriers when containment areas need cleaning or if scupper plugs need replacing. **Never Drain Product captured in containment area overboard.**

PARTS 3. PERSONS ON DUTY DURING TRANSFER

33 CFR 155.750 (a) (3)

Number of persons required on duty during transfer operations:

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

PARTS 4. PERSONS IN CHARGE

The tanker man (person in charge) is responsible for transferring cargo and carrying out related operations on board in an efficient, safe, and pollution free manner. The tanker man whether employed by the towboat, owner, operator, a shore tanker man service, or Chem Carriers L.L.C., shall comply with all Coast Guard, State and local regulations. Tanker man'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 tanker man, 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 etc.
- E. Proper hose sizes, lengths, support, and connections.
- F. The condition of fire extinguishers and required number.
- G. 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.
- I. The PIC (PERSON IN CHARGE) will be responsible for the DOI (declaration of inspection) and DOS (declaration of security).
- J. Always maintain communications with dock or shore personnel with an agreed upon approved system.

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. A set of dipstick overfill devices have been installed on the **CCL 423-T** . Dipsticks can be made operational by releasing the covers or caps. Dipsticks should be used as a visual aid for overfill protection.

PARTS 7: COMPLETION OF TRANSFER

33 CFR 155.750 (a) (8)

Upon the completion of the transfer all pipelines should be 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 1-800-424-8802.
- E. Notify Chem Carriers L.L.C. at (225) 642-0060
- F. If loading, transfer the cargo from the leaking tank to an adjacent tank or back to the dock if safe to do so.
- G. 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.

PART 11

VAPOR CONTROL PROCEDURES

This is a guide only and is not intended to replace experience, sound judgment, and a proper assessment of the task at hand.

The tanker man on duty is the acting Designated Person In Charge (PIC) and is responsible for cargo transfer operations and carrying out related operations on barges.

1. Vapor Recovery Transfer Maximum Rate is **5000** BBLS/HR for

subchapter "D" Cargoes and 5000 BBLS/Hr for subchapter "O" Cargoes.

- 1.1 Transfer rates, which exceed these maximums, must be approved by Chem Carriers.
- 1.2 Transfer rates for each cargo tank should not exceed the maximum transfer rate.

2. Pre-transfer Inspection For Vapor Recovery Operations

2.1 Follow the procedures outlined below in addition to the procedures utilized during normal transfers:

2.1.1 Wear personal protective equipment (PPE) as needed for the cargo in the barge when testing P/V and, hooking up hoses, or draining low points.

2.1.2 Ensure that a Certificate of Vapor Tightness is onboard and valid.

2.1.3 Close the low point drain on the port/starboard vapor header, if applicable.

2.1.4 Close the low point drain near the vent stack, if applicable.

2.1.5 Close valve to the vent riser if applicable.

2.1.7 Blinds used for the vapor control manifold should have a hole to accommodate the 1/2" stud located in the vapor header.

2.1.8 Each cargo tank is fitted with a liquid level gauge stick. Remove the cap, raise the stick, this stick can be monitored visually to avoid overfilling.

2.1.9 Ensure that the last one meter (3.3 feet) of vapor piping before the vapor connection is painted red/yellow/red.

2.1.10 The cross-header should be stenciled with the word "VAPOR" in black letters at least 2" high.

2.1.11 The vapor connection flange should be fixed with a 1" long by 1/2" diameter stud projecting outward from the face of the flange, midway between bolt holes.

2.1.12 The high level alarms/shutdowns are installed near the center of each cargo tank. Dock alarm/shutdown should be connected prior to loading, and plugs located near the forward end of the barge Port and Starboard should be labeled "ALARM/SHUTDOWN SENSOR." High level alarms are set to alarm at 90% of the cargo tanks capacity and Shut downs are set to shut transfer down at 95% of each tanks capacity.

2.1.13 Ensure that the P/V relief valve flame screen, if required, is in place and in good condition prior to testing.

2.1.14 Ensure that the facility has a Letter of Adequacy endorsed as meeting the requirements of 33 CFR Subpart E.

3. Vapor Piping

3.1 The PIC checks the vapor piping diagram.

3.2 Characteristics of a vapor header:

3.2.1 The vapor collection piping system on tank barges is permanently installed and located as close as practical to the loading manifold. The piping system is electrically bonded to the hull and electrically continuous.

3.2.2 The last one meter (3.3 feet) of vapor piping prior to the valve before the vapor connection is painted red/yellow/red. The red bands are 4" wide and the yellow band is 32" wide.

3.2.3 The vapor header is stenciled with the word "VAPOR" in black letters at least 2" high.

3.2.4 The vapor connection flange is to be fixed with a 1" by 1/2" diameter stud projecting outward from the face of the flange. This stud is located at the top of the flange, midway between bolt holes.

3.2.5 When not in use, blank off the vapor headers using a blind flange with a bolt in every hole. Each blind flange used on the vapor piping has a hole drilled to accommodate the pin.

4. Inspection And Verification Of Vent Lines

4.1 The Person in Charge performs the following steps:

4.1.1 Checks the Certificate of Inspection on board the barge;

4.1.2 Locates polymerizing or inhibited cargoes in the section of the COI marked *Specific Hazardous Cargo Authority*;

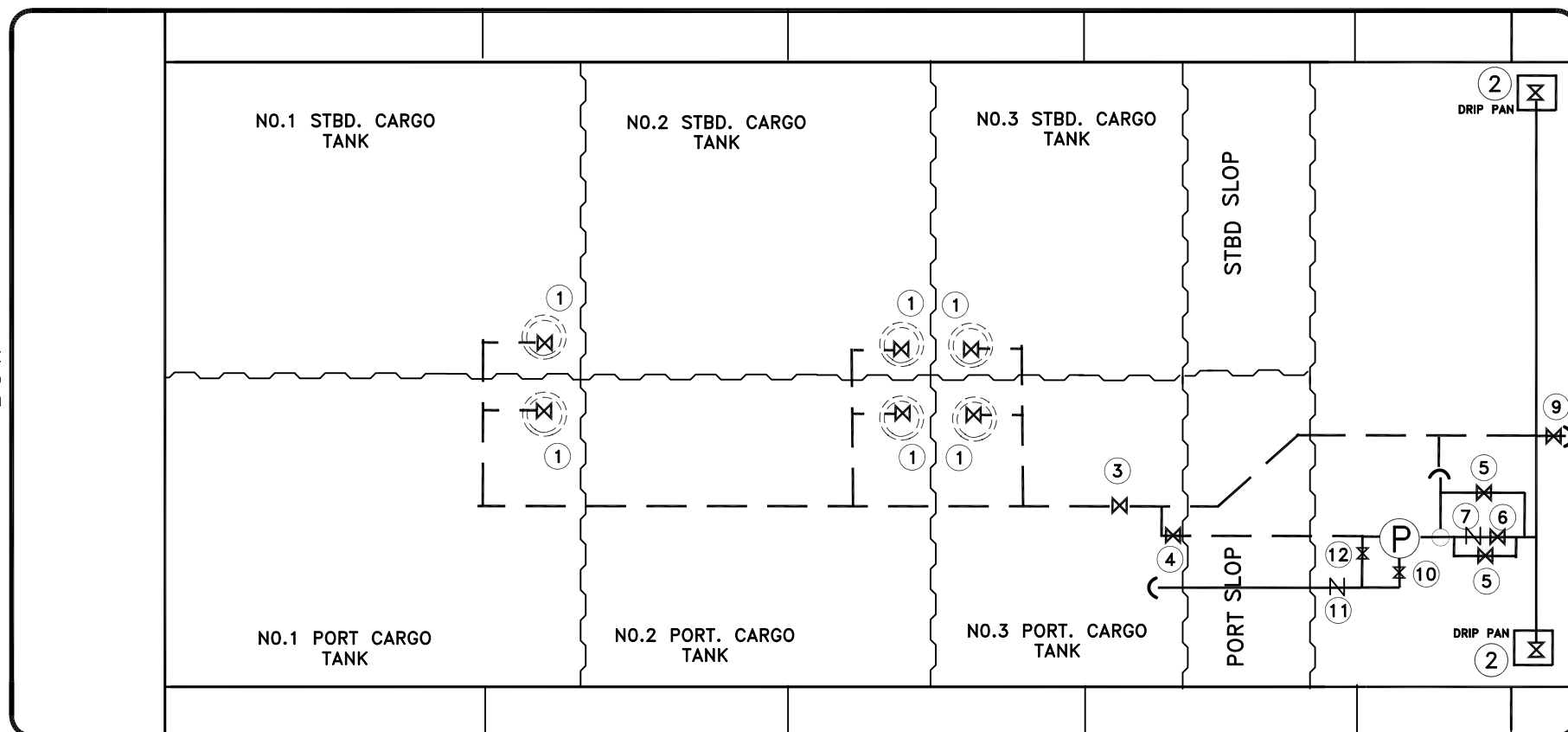
4.1.3 Refers to the MSDS or Chemical Data Guide on board the vessel to determine what cargoes are subject to polymerization, or what cargoes are inhibited;

4.1.4 Locates the MSDS for the cargo and determines its toxicity and whether or not it is a polymerizing or inhibited cargo; and,

4.1.5 Notifies the Dispatcher and Field Supervisor when polymerization is suspected.

5. Any problems with the Vapor Control system must be reported immediately to the person in charge and Chem Carriers.

BOW



STERN

LEGEND

NO.	DESCRIPTION	NO.	DESCRIPTION
1	CARGO TANK VALVE'S	10	DEEP WELL BURP VALVE
2	CARGO HEADER VALVE'S	11	BURP LINE CHECK VALVE
3	BLOCK VALVE	12	PUMP BURP VALVE
4	MASTER SUCTION VALVE		
5	2" BY-PASS		
6	DISCHARGE VALVE		
7	DISCHARGE CHECK VALVE		
8	RESERVED		
9	LOAD VALVE		

Effective Date:	Revision No.	Page
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CARGO PIPING
DIAGRAM

CCL 423-T

BOW

STERN

NO.1 STBD CARGO
TANKNO.2 STBD. CARGO
TANKNO.3 STBD. CARGO
TANK

STRIPPING LINE

STRIPPING LINE

STBD SLOP

PORT SLOP

DRIP PAN

4

3

8

10

9

4

3

DRIP PAN

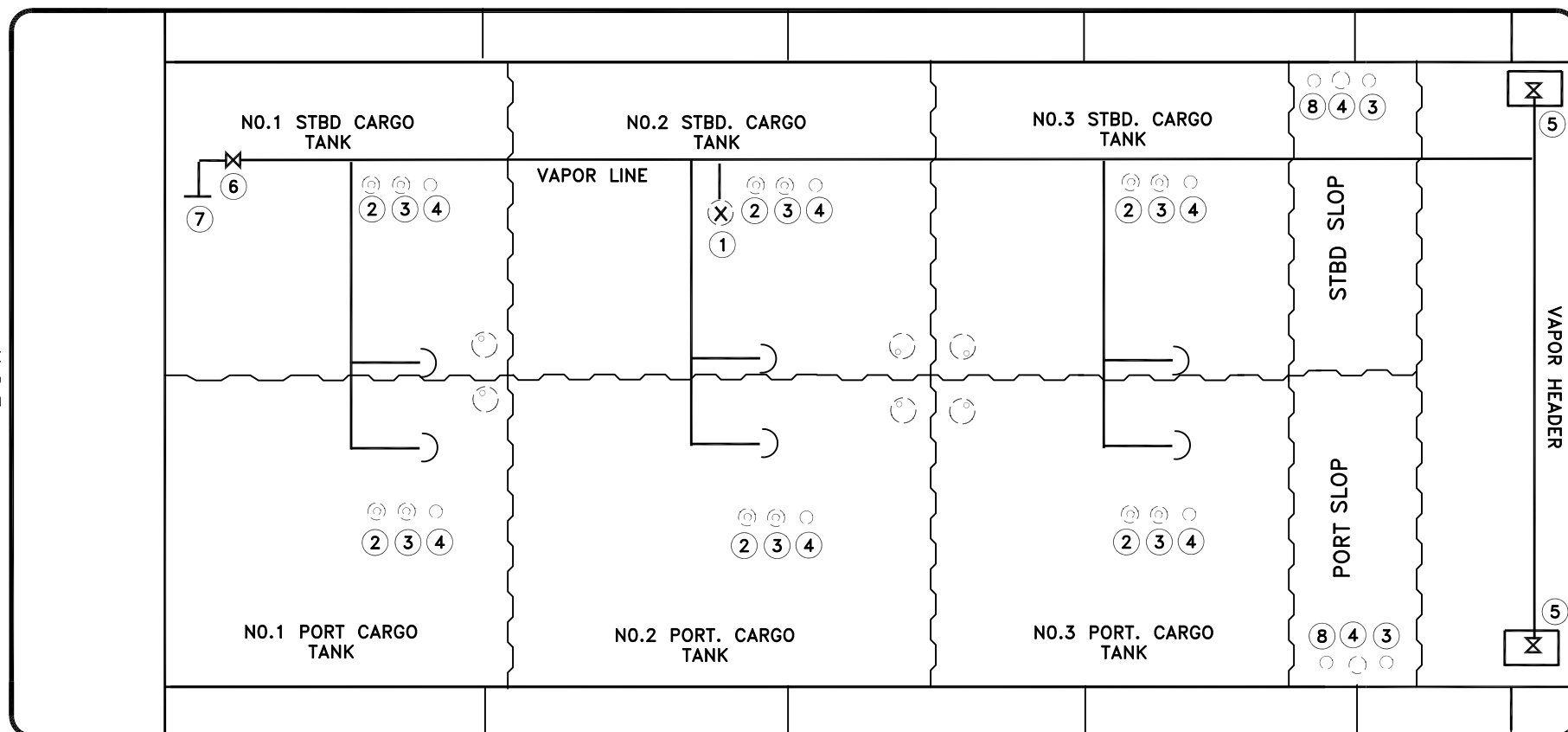
NO.1 PORT CARGO
TANKNO.2 PORT. CARGO
TANKNO.3 PORT. CARGO
TANKLEGEND

NO	DESCRIPTION
1	CARGO TANK STRIPPING
2	PUMP
3	STRIPPING HEADER VALVE
4	DRIP PAN DRAIN VALVE
5	SLOP TANK STRIPPING SUCTION
6	SLOP TANK STRIPPING DROP
7	RESERVED
8	DEEP WELL STRIPPING VALVE
9	STRIPPING DISCHARGE BLOCK VALVE
10	STRIPPING SUCTION BLOCK VALVE

STRIPPING PIPING
DIAGRAMCCL 423-T

Effective Date:	Revision No.	Page
04/29/26	0	2 of 3

BOW



STERN

LEGEND

NO	DESCRIPTION
1	P/V VALVE
2	HIGH LEVEL ALARM
3	HERMETIC VALVE
4	METER STICK
5	HEADER VALVE
6	VENT STACK VALVE
7	VENT STACK
8	SLOP TANK P/V VALVE

Effective Date:	Revision No.	Page
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VAPOR PIPING
DIAGRAM

CCL 423-T



Marine Safety Center Vapor Control System (VCS) Plan Review Information Sheet (PRIS)



Vessel Name	CCL 422T and CCL 423T
Official Number	CG1854196 and CG1854198

Shipyard	Southwest Shipyard
Hull Number	9882 and 9883

1. This sheet consolidates critical VCS parameters for MSC Staff Engineers and CG Field Inspectors dealing with Vapor Control Systems. CG Inspectors should verify the vessel's VCS design is consistent with the information listed in boxes 2, 6, 7 & 8 prior to updating the vapor control endorsement on the vessel's Certificate of Inspection. For cases where the information in the VCS PRIS does not reflect the vessel's design the CG Inspector should contact the MSC's Cargo Authority branch.

2. Tank Maximum Design Working Pressure	6.50 psig	Raised Trunk ☒	Flush Deck ☐
3. Authorized Maximum Cargo Transfer Rate(s)	4,500 bbl/hr loading 4,500 bbl/hr discharging		
4. Authorized Maximum Vapor-Air Mixture Density	0.442 lbm/ft ³		
5. Authorized VCS Categories	1 Through 7		
6. Cargoes with the highest vapor density and/or pressure drop:			
a. Cargo Name	Pentane (all isomers) [PTY]		
b. Cargo Name	Pentane (all isomers) [PTY]		

7. Pressure Vacuum Valve:		8. VCS Pipe Sizes:	
Manufacturer ERL	Settings in psig:	Approx. Inside Diameter	
Size ERL SUPERAC Model II	Pressure-side 6	Longitudinal Header (inches)	8
CG Approval 162.017/167/4	Vacuum-side 2	Transverse Header (Inches)	8
Required Venting Capacity of Pressure-Side of P/V valve	14790	bbl/hr (air)	
Required Venting Capacity of Vacuum-Side of P/V valve	4500	bbl/hr (air)	

9. Tank Overfill Protection System (check appropriate box or boxes)			
a. High Level/Tank Overfill Alarm ☒	Type ERL		
b. Overfill Control Shutdown ☒	Type ERL		
c. Spill Valve ☐	Type N/A	Meets ASTM F1271	Setting in psig N/A
d. Rupture Disk ☐	Type N/A		

10. Closed Gauging Verify the vessel has closed gauging that satisfies 46 CFR 39.2003 and 151.15-10(c).

11. Instructions/Guidelines for the OCMI:

11a. The MSC approval letters must be available at the OCMI's request.

11b. Verify isolation valve at the vapor connection flange is manually operable and designed in a way it is "clearly" open or closed.

11c. Verify the set-point of the overfill shutdown system. It shall be no higher than 3 inches (0.25 feet) below the deck at alarm location of cargo tanks #1-2 P/S and 3.5 inches (0.29 feet) below the deck at alarm location of cargo tanks #3 P/S.

11d. The tanks share a common vent header, which would allow mixing of various vapors and liquid cargoes. Note this configuration restricts the types of cargoes that can be carried simultaneously.

11e. The vapor collection piping must be electrically continuous and bonded to the hull as required by 46 CFR 39.2001(c).

Current VCS Approval Letter	C1-2502269 dated July 3, 2025	MSC Plan Reviewer	LT N. A. Remke
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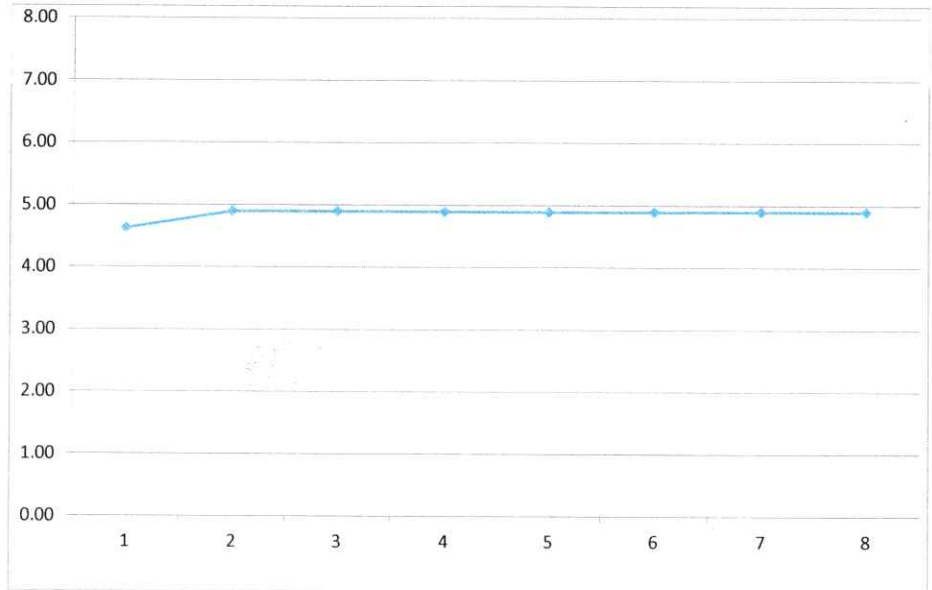
TEST RESULTS FOR ERL 6" PV VALVE

Customer	Commercial Marine
Barge Number	CCL 423
Work Order	HOU-2253-WO
Test date:	4/6/2026
Serial Number	4726K-2026

VALVE SETTINGS	PRESSURE	VACUUM
	5.00	2.0

Opening Pressure Test	
Test Number	Valve Opening Pressure (PSI)
1	4.7
2	4.5
3	4.7
4	4.6
5	4.6
Average	4.6
Delta	0.2

Pressure Curve



Airflow PRESSURE Test

AIRFLOW (CFM)	0	40	60	80	100	120	140	160	180	200
Pressure	4.63	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8
Differential from Opening Point		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2



Tested By

Joe Ramirez

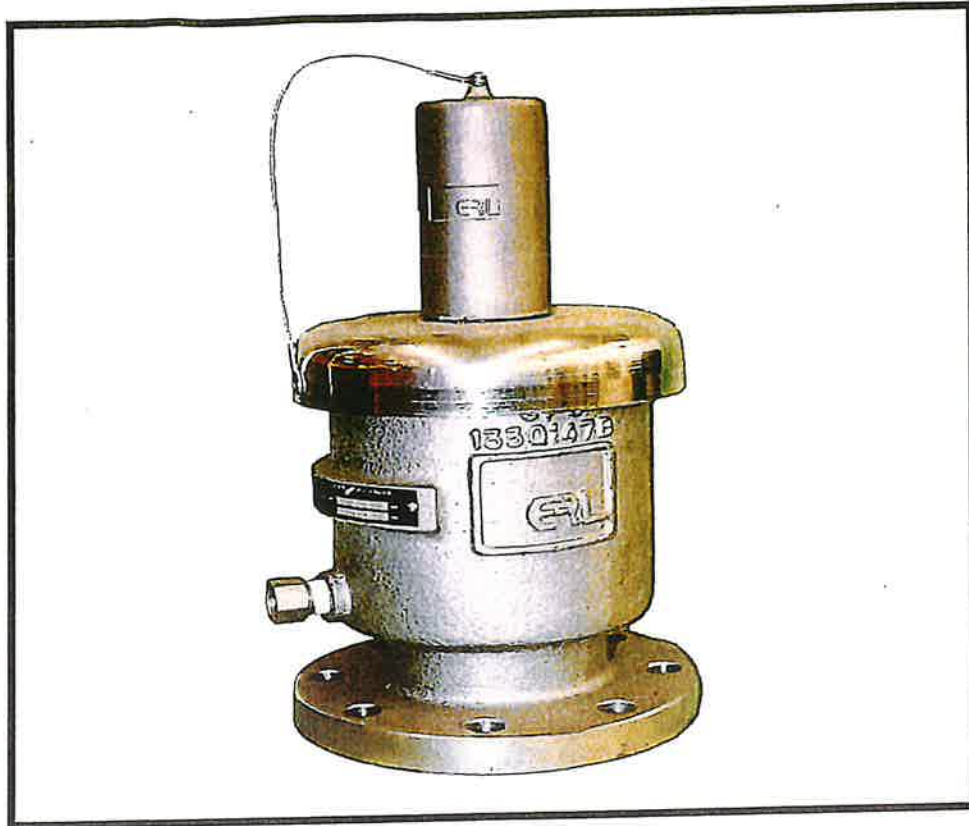
Witnessed By

Christopher Salazar

Joe Ramirez

Christopher Salazar

EQUATE SERIES PRESSURE VACUUM RELIEF VALVE
EQUATE PV-4
USCG APPROVAL NUMBER: 162.017/168/2



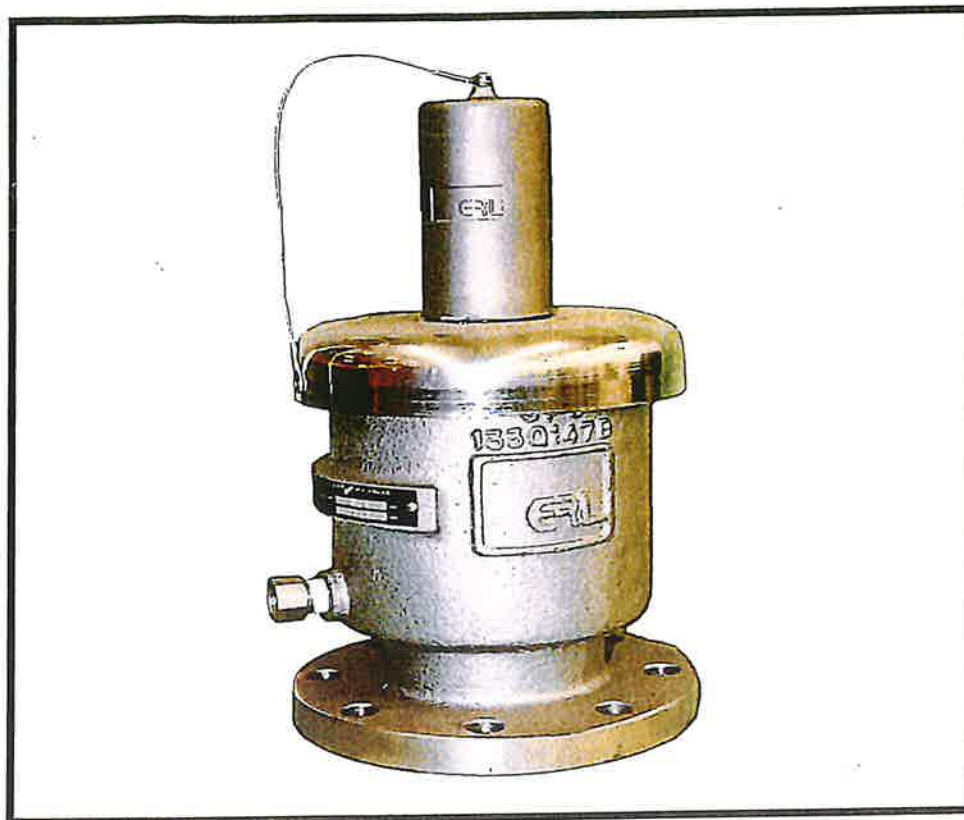
VALVE TESTING RESULTS

Serial #	Required Setting – P	Required Setting - V
<u>42776</u>	<u>1.0</u> PSI	<u>0.5</u> PSI
Pressure open at <u>1.0</u> PSI	Pressure Spring <u>EQ10-C</u>	
Vacuum open at <u>0.55</u> PSI	Vacuum Spring <u>EQ11-D</u>	
CUSTOMER <u>SOUTHWEST</u>	PO # <u>NA-14831-S0</u>	
INSPECTOR <u>J JONES</u>	DATE <u>04.07.26</u>	

ERL

ERL COMMERCIAL MARINE INC.
P.O. BOX 1026 NEW ALBANY, IN. 47151
PH. 812-948-8484 FAX 812-944-8808
E-MAIL ERLSALES@ERLINC.NET

EQUATE SERIES PRESSURE VACUUM RELIEF VALVE
EQUATE PV-4
USCG APPROVAL NUMBER: 162.017/168/2



VALVE TESTING RESULTS

Serial #	Required Setting - P	Required Setting - V
<u>42778</u>	<u>1.0</u> PSI	<u>0.5</u> PSI
Pressure open at <u>1.08</u> PSI	Pressure Spring <u>EQ10-C</u>	
Vacuum open at <u>0.55</u> PSI	Vacuum Spring <u>EQ11-D</u>	
CUSTOMER <u>SOUTHWEST</u>	PO # <u>NA-14831-S/D</u>	
INSPECTOR <u>J JONES</u>	DATE <u>04-07-26</u>	



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BARGE "CCL 423 T"

INNAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4
3 PORT	- 00-1/4	00-1/4	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-3/4	01-3/4
3 STBD	- 00-1/4	00-1/4	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-1/2	01-1/2	- 01-3/4	01-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 262'-06"

February 6, 2026

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CCL 423 T"

1 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0	12.45	0	346.46	0	700.61	0	1,054.08	0	1,406.49	0	1,760.06	0	2,114.23	0	2,468.40	0	2,822.58	0	3,176.75
1/4	16.60	1/4	353.83	1/4	707.99	1/4	1,061.43	1/4	1,413.82	1/4	1,767.44	1/4	2,121.61	1/4	2,475.78	1/4	2,829.95	1/4	3,184.13
1/2	20.75	1/2	361.21	1/2	715.37	1/2	1,068.78	1/2	1,421.16	1/2	1,774.81	1/2	2,128.99	1/2	2,483.16	1/2	2,837.33	1/2	3,191.51
3/4	24.90	3/4	368.59	3/4	722.75	3/4	1,076.13	3/4	1,428.49	3/4	1,782.19	3/4	2,136.37	3/4	2,490.54	3/4	2,844.71	3/4	3,198.88
1	29.05	1	375.97	1	730.13	1	1,083.48	1	1,435.83	1	1,789.57	1	2,143.74	1	2,497.92	1	2,852.09	1	3,206.26
1/4	35.04	1/4	383.35	1/4	737.51	1/4	1,090.84	1/4	1,443.16	1/4	1,796.95	1/4	2,151.12	1/4	2,505.30	1/4	2,859.47	1/4	3,213.64
1/2	41.03	1/2	390.73	1/2	744.88	1/2	1,098.19	1/2	1,450.50	1/2	1,804.33	1/2	2,158.50	1/2	2,512.67	1/2	2,866.85	1/2	3,221.02
3/4	47.02	3/4	398.10	3/4	752.26	3/4	1,105.54	3/4	1,457.83	3/4	1,811.71	3/4	2,165.88	3/4	2,520.05	3/4	2,874.23	3/4	3,228.40
2	53.01	2	405.48	2	759.64	2	1,112.89	2	1,465.17	2	1,819.09	2	2,173.26	2	2,527.43	2	2,881.60	2	3,235.78
1/4	60.09	1/4	412.86	1/4	767.02	1/4	1,120.25	1/4	1,472.51	1/4	1,826.46	1/4	2,180.64	1/4	2,534.81	1/4	2,888.98	1/4	3,243.16
1/2	67.17	1/2	420.24	1/2	774.40	1/2	1,127.60	1/2	1,479.86	1/2	1,833.84	1/2	2,188.02	1/2	2,542.19	1/2	2,896.36	1/2	3,250.53
3/4	74.25	3/4	427.62	3/4	781.78	3/4	1,134.95	3/4	1,487.21	3/4	1,841.22	3/4	2,195.39	3/4	2,549.57	3/4	2,903.74	3/4	3,257.91
3	81.32	3	435.00	3	789.15	3	1,142.30	3	1,494.56	3	1,848.60	3	2,202.77	3	2,556.95	3	2,911.12	3	3,265.29
1/4	88.64	1/4	442.37	1/4	796.53	1/4	1,149.65	1/4	1,501.91	1/4	1,855.98	1/4	2,210.15	1/4	2,564.32	1/4	2,918.50	1/4	3,272.67
1/2	95.96	1/2	449.75	1/2	803.91	1/2	1,157.01	1/2	1,509.26	1/2	1,863.36	1/2	2,217.53	1/2	2,571.70	1/2	2,925.88	1/2	3,280.05
3/4	103.27	3/4	457.13	3/4	811.29	3/4	1,164.36	3/4	1,516.61	3/4	1,870.74	3/4	2,224.91	3/4	2,579.08	3/4	2,933.25	3/4	3,287.43
4	110.59	4	464.51	4	818.67	4	1,171.71	4	1,523.97	4	1,878.11	4	2,232.29	4	2,586.46	4	2,940.63	4	3,294.81
1/4	117.93	1/4	471.89	1/4	826.05	1/4	1,179.04	1/4	1,531.34	1/4	1,885.49	1/4	2,239.67	1/4	2,593.84	1/4	2,948.01	1/4	3,302.18
1/2	125.28	1/2	479.27	1/2	833.42	1/2	1,186.38	1/2	1,538.71	1/2	1,892.87	1/2	2,247.04	1/2	2,601.22	1/2	2,955.39	1/2	3,309.56
3/4	132.62	3/4	486.64	3/4	840.80	3/4	1,193.71	3/4	1,546.08	3/4	1,900.25	3/4	2,254.42	3/4	2,608.60	3/4	2,962.77	3/4	3,316.94
5	139.97	5	494.02	5	848.18	5	1,201.04	5	1,553.46	5	1,907.63	5	2,261.80	5	2,615.97	5	2,970.15	5	3,324.32
1/4	147.33	1/4	501.40	1/4	855.54	1/4	1,208.39	1/4	1,560.83	1/4	1,915.01	1/4	2,269.18	1/4	2,623.35	1/4	2,977.53	1/4	3,331.70
1/2	154.69	1/2	508.78	1/2	862.90	1/2	1,215.73	1/2	1,568.21	1/2	1,922.39	1/2	2,276.56	1/2	2,630.73	1/2	2,984.90	1/2	3,339.08
3/4	162.05	3/4	516.16	3/4	870.26	3/4	1,223.08	3/4	1,575.59	3/4	1,929.76	3/4	2,283.94	3/4	2,638.11	3/4	2,992.28	3/4	3,346.46
6	169.41	6	523.54	6	877.62	6	1,230.43	6	1,582.97	6	1,937.14	6	2,291.32	6	2,645.49	6	2,999.66	6	3,353.83
1/4	176.78	1/4	530.91	1/4	884.97	1/4	1,237.77	1/4	1,590.35	1/4	1,944.52	1/4	2,298.69	1/4	2,652.87	1/4	3,007.04	1/4	3,361.21
1/2	184.15	1/2	538.29	1/2	892.32	1/2	1,245.10	1/2	1,597.73	1/2	1,951.90	1/2	2,306.07	1/2	2,660.25	1/2	3,014.42	1/2	3,368.59
3/4	191.53	3/4	545.67	3/4	899.68	3/4	1,252.44	3/4	1,605.11	3/4	1,959.28	3/4	2,313.45	3/4	2,667.62	3/4	3,021.80	3/4	3,375.97
7	198.90	7	553.05	7	907.03	7	1,259.78	7	1,612.48	7	1,966.66	7	2,320.83	7	2,675.00	7	3,029.18	7	3,383.35
1/4	206.27	1/4	560.43	1/4	914.38	1/4	1,267.12	1/4	1,619.86	1/4	1,974.04	1/4	2,328.21	1/4	2,682.38	1/4	3,036.55	1/4	3,390.73
1/2	213.65	1/2	567.81	1/2	921.73	1/2	1,274.45	1/2	1,627.24	1/2	1,981.41	1/2	2,335.59	1/2	2,689.76	1/2	3,043.93	1/2	3,398.11
3/4	221.03	3/4	575.18	3/4	929.09	3/4	1,281.79	3/4	1,634.62	3/4	1,988.79	3/4	2,342.97	3/4	2,697.14	3/4	3,051.31	3/4	3,405.48
8	228.40	8	582.56	8	936.44	8	1,289.12	8	1,642.00	8	1,996.17	8	2,350.34	8	2,704.52	8	3,058.69	8	3,412.86
1/4	235.78	1/4	589.94	1/4	943.79	1/4	1,296.46	1/4	1,649.38	1/4	2,003.55	1/4	2,357.72	1/4	2,711.90	1/4	3,066.07	1/4	3,420.24
1/2	243.16	1/2	597.32	1/2	951.14	1/2	1,303.79	1/2	1,656.76	1/2	2,010.93	1/2	2,365.10	1/2	2,719.27	1/2	3,073.45	1/2	3,427.62
3/4	250.54	3/4	604.70	3/4	958.50	3/4	1,311.13	3/4	1,664.13	3/4	2,018.31	3/4	2,372.48	3/4	2,726.65	3/4	3,080.83	3/4	3,435.00
9	257.92	9	612.08	9	965.85	9	1,318.46	9	1,671.51	9	2,025.69	9	2,379.86	9	2,734.03	9	3,088.20	9	3,442.38
1/4	265.29	1/4	619.45	1/4	973.20	1/4	1,325.80	1/4	1,678.89	1/4	2,033.06	1/4	2,387.24	1/4	2,741.41	1/4	3,095.58	1/4	3,449.76
1/2	272.67	1/2	626.83	1/2	980.55	1/2	1,333.13	1/2	1,686.27	1/2	2,040.44	1/2	2,394.62	1/2	2,748.79	1/2	3,102.96	1/2	3,457.13
3/4	280.05	3/4	634.21	3/4	987.90	3/4	1,340.47	3/4	1,693.65	3/4	2,047.82	3/4	2,401.99	3/4	2,756.17	3/4	3,110.34	3/4	3,464.51
10	287.43	10	641.59	10	995.26	10	1,347.80	10	1,701.03	10	2,055.20	10	2,409.37	10	2,763.55	10	3,117.72	10	3,471.89
1/4	294.81	1/4	648.97	1/4	1,002.61	1/4	1,355.14	1/4	1,708.41	1/4	2,062.58	1/4	2,416.75	1/4	2,770.92	1/4	3,125.10	1/4	3,479.27
1/2	302.19	1/2	656.34	1/2	1,009.96	1/2	1,362.47	1/2	1,715.79	1/2	2,069.96	1/2	2,424.13	1/2	2,778.30	1/2	3,132.48	1/2	3,486.65
3/4	309.56	3/4	663.72	3/4	1,017.31	3/4	1,369.81	3/4	1,723.16	3/4	2,077.34	3/4	2,431.51	3/4	2,785.68	3/4	3,139.85	3/4	3,494.03
11	316.94	11	671.10	11	1,024.67	11	1,377.15	11	1,730.54	11	2,084.72	11	2,438.89	11	2,793.06	11	3,147.23	11	3,501.41
1/4	324.32	1/4	678.48	1/4	1,032.02	1/4	1,384.48	1/4	1,737.92	1/4	2,092.09	1/4	2,446.27	1/4	2,800.44	1/4	3,154.61	1/4	3,508.78
1/2	331.70	1/2	685.86	1/2	1,039.37	1/2	1,391.82	1/2	1,745.30	1/2	2,099.47	1/2	2,453.65	1/2	2,807.82	1/2	3,161.99	1/2	3,516.16
3/4	339.08	3/4	693.24	3/4	1,046.72	3/4	1,399.15	3/4	1,752.68	3/4	2,106.85	3/4	2,461.02	3/4	2,815.20	3/4	3,169.37	3/4	3,523.54

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CCL 423 T"

1 PORT

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,530.92	0	3,885.09	0	4,238.61	0	4,591.90	0	4,943.38	0		0		0		0		0	
1/4	3,538.30	1/4	3,892.47	1/4	4,245.97	1/4	4,599.26	1/4	4,950.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,545.68	1/2	3,899.85	1/2	4,253.33	1/2	4,606.62	1/2	4,957.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,553.06	3/4	3,907.23	3/4	4,260.69	3/4	4,613.98	3/4	4,965.22	3/4		3/4		3/4		3/4		3/4	
1	3,560.44	1	3,914.61	1	4,268.05	1	4,621.34	1	4,972.51	1		1		1		1		1	
1/4	3,567.81	1/4	3,921.99	1/4	4,275.41	1/4	4,628.70	1/4	4,979.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.19	1/2	3,929.37	1/2	4,282.77	1/2	4,636.06	1/2	4,987.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,582.57	3/4	3,936.74	3/4	4,290.13	3/4	4,643.42	3/4	4,994.35	3/4		3/4		3/4		3/4		3/4	
2	3,589.95	2	3,944.12	2	4,297.49	2	4,650.78	2	5,001.63	2		2		2		2		2	
1/4	3,597.33	1/4	3,951.50	1/4	4,304.85	1/4	4,658.14	1/4	5,008.80	1/4		1/4		1/4		1/4		1/4	
1/2	3,604.71	1/2	3,958.88	1/2	4,312.21	1/2	4,665.50	1/2	5,015.97	1/2		1/2		1/2		1/2		1/2	
3/4	3,612.09	3/4	3,966.26	3/4	4,319.57	3/4	4,672.86	3/4	5,023.13	3/4		3/4		3/4		3/4		3/4	
3	3,619.46	3	3,973.64	3	4,326.93	3	4,680.22	3	5,030.30	3		3		3		3		3	
1/4	3,626.84	1/4	3,981.00	1/4	4,334.29	1/4	4,687.58	1/4	5,036.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.22	1/2	3,988.36	1/2	4,341.65	1/2	4,694.94	1/2	5,042.94	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.60	3/4	3,995.72	3/4	4,349.01	3/4	4,702.30	3/4	5,049.26	3/4		3/4		3/4		3/4		3/4	
4	3,648.98	4	4,003.09	4	4,356.37	4	4,709.66	4	5,055.58	4		4		4		4		4	
1/4	3,656.36	1/4	4,010.45	1/4	4,363.73	1/4	4,717.02	1/4	5,060.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.74	1/2	4,017.81	1/2	4,371.09	1/2	4,724.38	1/2	5,065.84	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.11	3/4	4,025.17	3/4	4,378.45	3/4	4,731.74	3/4	5,070.97	3/4		3/4		3/4		3/4		3/4	
5	3,678.49	5	4,032.53	5	4,385.81	5	4,739.10	5	5,076.10	5		5		5		5		5	
1/4	3,685.87	1/4	4,039.89	1/4	4,393.17	1/4	4,746.46	1/4	5,080.00	1/4		1/4		1/4		1/4		1/4	
1/2	3,693.25	1/2	4,047.25	1/2	4,400.53	1/2	4,753.82	1/2	5,083.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,700.63	3/4	4,054.61	3/4	4,407.89	3/4	4,761.18	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,708.01	6	4,061.97	6	4,415.25	6	4,768.54	6		6		6		6		6		6	
1/4	3,715.39	1/4	4,069.33	1/4	4,422.61	1/4	4,775.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.76	1/2	4,076.69	1/2	4,429.97	1/2	4,783.14	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.14	3/4	4,084.05	3/4	4,437.33	3/4	4,790.44	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,737.52	7	4,091.41	7	4,444.69	7	4,797.74	7		7		7		7		7		7	
1/4	3,744.90	1/4	4,098.77	1/4	4,452.05	1/4	4,805.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.28	1/2	4,106.13	1/2	4,459.41	1/2	4,812.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.66	3/4	4,113.49	3/4	4,466.77	3/4	4,819.59	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,767.04	8	4,120.85	8	4,474.13	8	4,826.87	8		8		8		8		8		8	
1/4	3,774.41	1/4	4,128.21	1/4	4,481.49	1/4	4,834.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.79	1/2	4,135.57	1/2	4,488.85	1/2	4,841.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,789.17	3/4	4,142.93	3/4	4,496.21	3/4	4,848.72	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,796.55	9	4,150.29	9	4,503.57	9	4,856.00	9		9		9		9		9		9	
1/4	3,803.93	1/4	4,157.65	1/4	4,510.93	1/4	4,863.28	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,811.31	1/2	4,165.01	1/2	4,518.29	1/2	4,870.56	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,818.69	3/4	4,172.37	3/4	4,525.65	3/4	4,877.84	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,826.06	10	4,179.73	10	4,533.01	10	4,885.12	10		10		10		10		10		10	
1/4	3,833.44	1/4	4,187.09	1/4	4,540.37	1/4	4,892.41	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,840.82	1/2	4,194.45	1/2	4,547.73	1/2	4,899.69	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,848.20	3/4	4,201.81	3/4	4,555.09	3/4	4,906.97	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,855.58	11	4,209.17	11	4,562.45	11	4,914.25	11		11		11		11		11		11	
1/4	3,862.96	1/4	4,216.53	1/4	4,569.82	1/4	4,921.53	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,870.34	1/2	4,223.89	1/2	4,577.18	1/2	4,928.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,877.71	3/4	4,231.25	3/4	4,584.54	3/4	4,936.10	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
<http://www.omacorp.net>



BARGE "CCL 423 T"

1 STBD INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0	12.48	0	347.38	0	702.49	0	1,057.59	0	1,411.49	0	1,766.01	0	2,121.13	0	2,476.25	0	2,831.36	0	3,186.48
1/4	16.64	1/4	354.78	1/4	709.88	1/4	1,064.99	1/4	1,418.85	1/4	1,773.41	1/4	2,128.53	1/4	2,483.64	1/4	2,838.76	1/4	3,193.88
1/2	20.80	1/2	362.18	1/2	717.28	1/2	1,072.39	1/2	1,426.20	1/2	1,780.81	1/2	2,135.92	1/2	2,491.04	1/2	2,846.16	1/2	3,201.28
3/4	24.96	3/4	369.58	3/4	724.68	3/4	1,079.78	3/4	1,433.56	3/4	1,788.20	3/4	2,143.32	3/4	2,498.44	3/4	2,853.56	3/4	3,208.68
1	29.13	1	376.97	1	732.08	1	1,087.18	1	1,440.91	1	1,795.60	1	2,150.72	1	2,505.84	1	2,860.96	1	3,216.08
1/4	35.13	1/4	384.37	1/4	739.48	1/4	1,094.58	1/4	1,448.27	1/4	1,803.00	1/4	2,158.12	1/4	2,513.24	1/4	2,868.36	1/4	3,223.47
1/2	41.14	1/2	391.77	1/2	746.87	1/2	1,101.98	1/2	1,455.62	1/2	1,810.40	1/2	2,165.52	1/2	2,520.64	1/2	2,875.75	1/2	3,230.87
3/4	47.15	3/4	399.17	3/4	754.27	3/4	1,109.38	3/4	1,462.98	3/4	1,817.80	3/4	2,172.92	3/4	2,528.03	3/4	2,883.15	3/4	3,238.27
2	53.15	2	406.57	2	761.67	2	1,116.77	2	1,470.33	2	1,825.20	2	2,180.31	2	2,535.43	2	2,890.55	2	3,245.67
1/4	60.25	1/4	413.96	1/4	769.07	1/4	1,124.17	1/4	1,477.70	1/4	1,832.59	1/4	2,187.71	1/4	2,542.83	1/4	2,897.95	1/4	3,253.07
1/2	67.35	1/2	421.36	1/2	776.47	1/2	1,131.57	1/2	1,485.07	1/2	1,839.99	1/2	2,195.11	1/2	2,550.23	1/2	2,905.35	1/2	3,260.47
3/4	74.44	3/4	428.76	3/4	783.86	3/4	1,138.97	3/4	1,492.43	3/4	1,847.39	3/4	2,202.51	3/4	2,557.63	3/4	2,912.75	3/4	3,267.86
3	81.54	3	436.16	3	791.26	3	1,146.37	3	1,499.80	3	1,854.79	3	2,209.91	3	2,565.03	3	2,920.14	3	3,275.26
1/4	88.88	1/4	443.56	1/4	798.66	1/4	1,153.76	1/4	1,507.17	1/4	1,862.19	1/4	2,217.31	1/4	2,572.42	1/4	2,927.54	1/4	3,282.66
1/2	96.21	1/2	450.95	1/2	806.06	1/2	1,161.16	1/2	1,514.55	1/2	1,869.59	1/2	2,224.70	1/2	2,579.82	1/2	2,934.94	1/2	3,290.06
3/4	103.55	3/4	458.35	3/4	813.46	3/4	1,168.56	3/4	1,521.92	3/4	1,876.98	3/4	2,232.10	3/4	2,587.22	3/4	2,942.34	3/4	3,297.46
4	110.88	4	465.75	4	820.85	4	1,175.96	4	1,529.29	4	1,884.38	4	2,239.50	4	2,594.62	4	2,949.74	4	3,304.86
1/4	118.25	1/4	473.15	1/4	828.25	1/4	1,183.34	1/4	1,536.68	1/4	1,891.78	1/4	2,246.90	1/4	2,602.02	1/4	2,957.14	1/4	3,312.25
1/2	125.61	1/2	480.55	1/2	835.65	1/2	1,190.72	1/2	1,544.07	1/2	1,899.18	1/2	2,254.30	1/2	2,609.42	1/2	2,964.53	1/2	3,319.65
3/4	132.98	3/4	487.94	3/4	843.05	3/4	1,198.09	3/4	1,551.47	3/4	1,906.58	3/4	2,261.70	3/4	2,616.81	3/4	2,971.93	3/4	3,327.05
5	140.34	5	495.34	5	850.45	5	1,205.47	5	1,558.86	5	1,913.98	5	2,269.09	5	2,624.21	5	2,979.33	5	3,334.45
1/4	147.72	1/4	502.74	1/4	857.84	1/4	1,212.85	1/4	1,566.26	1/4	1,921.37	1/4	2,276.49	1/4	2,631.61	1/4	2,986.73	1/4	3,341.85
1/2	155.10	1/2	510.14	1/2	865.24	1/2	1,220.22	1/2	1,573.65	1/2	1,928.77	1/2	2,283.89	1/2	2,639.01	1/2	2,994.13	1/2	3,349.25
3/4	162.48	3/4	517.54	3/4	872.64	3/4	1,227.59	3/4	1,581.05	3/4	1,936.17	3/4	2,291.29	3/4	2,646.41	3/4	3,001.53	3/4	3,356.64
6	169.86	6	524.93	6	880.04	6	1,234.96	6	1,588.45	6	1,943.57	6	2,298.69	6	2,653.81	6	3,008.92	6	3,364.04
1/4	177.25	1/4	532.33	1/4	887.44	1/4	1,242.32	1/4	1,595.85	1/4	1,950.97	1/4	2,306.09	1/4	2,661.20	1/4	3,016.32	1/4	3,371.44
1/2	184.65	1/2	539.73	1/2	894.83	1/2	1,249.68	1/2	1,603.25	1/2	1,958.37	1/2	2,313.48	1/2	2,668.60	1/2	3,023.72	1/2	3,378.84
3/4	192.04	3/4	547.13	3/4	902.23	3/4	1,257.04	3/4	1,610.65	3/4	1,965.76	3/4	2,320.88	3/4	2,676.00	3/4	3,031.12	3/4	3,386.24
7	199.43	7	554.53	7	909.63	7	1,264.40	7	1,618.04	7	1,973.16	7	2,328.28	7	2,683.40	7	3,038.52	7	3,393.64
1/4	206.82	1/4	561.92	1/4	917.03	1/4	1,271.75	1/4	1,625.44	1/4	1,980.56	1/4	2,335.68	1/4	2,690.80	1/4	3,045.92	1/4	3,401.03
1/2	214.22	1/2	569.32	1/2	924.43	1/2	1,279.11	1/2	1,632.84	1/2	1,987.96	1/2	2,343.08	1/2	2,698.20	1/2	3,053.31	1/2	3,408.43
3/4	221.62	3/4	576.72	3/4	931.82	3/4	1,286.46	3/4	1,640.24	3/4	1,995.36	3/4	2,350.48	3/4	2,705.59	3/4	3,060.71	3/4	3,415.83
8	229.01	8	584.12	8	939.22	8	1,293.82	8	1,647.64	8	2,002.76	8	2,357.87	8	2,712.99	8	3,068.11	8	3,423.23
1/4	236.41	1/4	591.52	1/4	946.62	1/4	1,301.17	1/4	1,655.04	1/4	2,010.15	1/4	2,365.27	1/4	2,720.39	1/4	3,075.51	1/4	3,430.63
1/2	243.81	1/2	598.91	1/2	954.02	1/2	1,308.53	1/2	1,662.43	1/2	2,017.55	1/2	2,372.67	1/2	2,727.79	1/2	3,082.91	1/2	3,438.03
3/4	251.21	3/4	606.31	3/4	961.42	3/4	1,315.88	3/4	1,669.83	3/4	2,024.95	3/4	2,380.07	3/4	2,735.19	3/4	3,090.31	3/4	3,445.42
9	258.61	9	613.71	9	968.81	9	1,323.24	9	1,677.23	9	2,032.35	9	2,387.47	9	2,742.59	9	3,097.70	9	3,452.82
1/4	266.00	1/4	621.11	1/4	976.21	1/4	1,330.59	1/4	1,684.63	1/4	2,039.75	1/4	2,394.87	1/4	2,749.98	1/4	3,105.10	1/4	3,460.22
1/2	273.40	1/2	628.51	1/2	983.61	1/2	1,337.95	1/2	1,692.03	1/2	2,047.15	1/2	2,402.26	1/2	2,757.38	1/2	3,112.50	1/2	3,467.62
3/4	280.80	3/4	635.90	3/4	991.01	3/4	1,345.30	3/4	1,699.43	3/4	2,054.54	3/4	2,409.66	3/4	2,764.78	3/4	3,119.90	3/4	3,475.02
10	288.20	10	643.30	10	998.41	10	1,352.65	10	1,706.82	10	2,061.94	10	2,417.06	10	2,772.18	10	3,127.30	10	3,482.42
1/4	295.60	1/4	650.70	1/4	1,005.80	1/4	1,360.01	1/4	1,714.22	1/4	2,069.34	1/4	2,424.46	1/4	2,779.58	1/4	3,134.70	1/4	3,489.81
1/2	302.99	1/2	658.10	1/2	1,013.20	1/2	1,367.36	1/2	1,721.62	1/2	2,076.74	1/2	2,431.86	1/2	2,786.98	1/2	3,142.09	1/2	3,497.21
3/4	310.39	3/4	665.50	3/4	1,020.60	3/4	1,374.72	3/4	1,729.02	3/4	2,084.14	3/4	2,439.26	3/4	2,794.37	3/4	3,149.49	3/4	3,504.61
11	317.79	11	672.89	11	1,028.00	11	1,382.07	11	1,736.42	11	2,091.54	11	2,446.65	11	2,801.77	11	3,156.89	11	3,512.01
1/4	325.19	1/4	680.29	1/4	1,035.40	1/4	1,389.43	1/4	1,743.81	1/4	2,098.93	1/4	2,454.05	1/4	2,809.17	1/4	3,164.29	1/4	3,519.41
1/2	332.59	1/2	687.69	1/2	1,042.79	1/2	1,396.78	1/2	1,751.21	1/2	2,106.33	1/2	2,461.45	1/2	2,816.57	1/2	3,171.69	1/2	3,526.81
3/4	339.98	3/4	695.09	3/4	1,050.19	3/4	1,404.14	3/4	1,758.61	3/4	2,113.73	3/4	2,468.85	3/4	2,823.97	3/4	3,179.09	3/4	3,534.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "CCL 423 T"

1 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,541.60	0	3,896.72	0	4,251.17	0	4,605.40	0	4,957.83	0		0		0		0		0	
1/4	3,549.00	1/4	3,904.12	1/4	4,258.55	1/4	4,612.78	1/4	4,965.13	1/4		1/4		1/4		1/4		1/4	
1/2	3,556.40	1/2	3,911.52	1/2	4,265.93	1/2	4,620.16	1/2	4,972.43	1/2		1/2		1/2		1/2		1/2	
3/4	3,563.80	3/4	3,918.92	3/4	4,273.31	3/4	4,627.54	3/4	4,979.74	3/4		3/4		3/4		3/4		3/4	
1	3,571.19	1	3,926.31	1	4,280.69	1	4,634.92	1	4,987.04	1		1		1		1		1	
1/4	3,578.59	1/4	3,933.71	1/4	4,288.07	1/4	4,642.30	1/4	4,994.34	1/4		1/4		1/4		1/4		1/4	
1/2	3,585.99	1/2	3,941.11	1/2	4,295.45	1/2	4,649.68	1/2	5,001.64	1/2		1/2		1/2		1/2		1/2	
3/4	3,593.39	3/4	3,948.51	3/4	4,302.83	3/4	4,657.06	3/4	5,008.94	3/4		3/4		3/4		3/4		3/4	
2	3,600.79	2	3,955.91	2	4,310.21	2	4,664.44	2	5,016.24	2		2		2		2		2	
1/4	3,608.19	1/4	3,963.30	1/4	4,317.59	1/4	4,671.82	1/4	5,023.43	1/4		1/4		1/4		1/4		1/4	
1/2	3,615.58	1/2	3,970.70	1/2	4,324.97	1/2	4,679.20	1/2	5,030.61	1/2		1/2		1/2		1/2		1/2	
3/4	3,622.98	3/4	3,978.10	3/4	4,332.35	3/4	4,686.58	3/4	5,037.80	3/4		3/4		3/4		3/4		3/4	
3	3,630.38	3	3,985.50	3	4,339.73	3	4,693.96	3	5,044.99	3		3		3		3		3	
1/4	3,637.78	1/4	3,992.88	1/4	4,347.11	1/4	4,701.34	1/4	5,051.32	1/4		1/4		1/4		1/4		1/4	
1/2	3,645.18	1/2	4,000.26	1/2	4,354.49	1/2	4,708.72	1/2	5,057.66	1/2		1/2		1/2		1/2		1/2	
3/4	3,652.58	3/4	4,007.64	3/4	4,361.87	3/4	4,716.10	3/4	5,064.00	3/4		3/4		3/4		3/4		3/4	
4	3,659.97	4	4,015.02	4	4,369.25	4	4,723.48	4	5,070.34	4		4		4		4		4	
1/4	3,667.37	1/4	4,022.40	1/4	4,376.63	1/4	4,730.86	1/4	5,075.48	1/4		1/4		1/4		1/4		1/4	
1/2	3,674.77	1/2	4,029.78	1/2	4,384.01	1/2	4,738.24	1/2	5,080.63	1/2		1/2		1/2		1/2		1/2	
3/4	3,682.17	3/4	4,037.16	3/4	4,391.39	3/4	4,745.62	3/4	5,085.77	3/4		3/4		3/4		3/4		3/4	
5	3,689.57	5	4,044.54	5	4,398.77	5	4,753.00	5	5,090.91	5		5		5		5		5	
1/4	3,696.97	1/4	4,051.92	1/4	4,406.15	1/4	4,760.38	1/4	5,094.82	1/4		1/4		1/4		1/4		1/4	
1/2	3,704.36	1/2	4,059.30	1/2	4,413.53	1/2	4,767.76	1/2	5,098.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,711.76	3/4	4,066.68	3/4	4,420.91	3/4	4,775.14	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,719.16	6	4,074.06	6	4,428.29	6	4,782.52	6		6		6		6		6		6	
1/4	3,726.56	1/4	4,081.44	1/4	4,435.67	1/4	4,789.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,733.96	1/2	4,088.82	1/2	4,443.05	1/2	4,797.16	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,741.36	3/4	4,096.20	3/4	4,450.43	3/4	4,804.48	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,748.75	7	4,103.58	7	4,457.81	7	4,811.80	7		7		7		7		7		7	
1/4	3,756.15	1/4	4,110.96	1/4	4,465.19	1/4	4,819.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,763.55	1/2	4,118.34	1/2	4,472.57	1/2	4,826.40	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,770.95	3/4	4,125.72	3/4	4,479.95	3/4	4,833.71	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,778.35	8	4,133.10	8	4,487.33	8	4,841.01	8		8		8		8		8		8	
1/4	3,785.75	1/4	4,140.48	1/4	4,494.71	1/4	4,848.31	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,793.14	1/2	4,147.86	1/2	4,502.09	1/2	4,855.61	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,800.54	3/4	4,155.24	3/4	4,509.47	3/4	4,862.91	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,807.94	9	4,162.62	9	4,516.85	9	4,870.21	9		9		9		9		9		9	
1/4	3,815.34	1/4	4,170.00	1/4	4,524.23	1/4	4,877.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,822.74	1/2	4,177.38	1/2	4,531.61	1/2	4,884.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,830.14	3/4	4,184.76	3/4	4,538.99	3/4	4,892.12	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,837.53	10	4,192.14	10	4,546.37	10	4,899.42	10		10		10		10		10		10	
1/4	3,844.93	1/4	4,199.52	1/4	4,553.75	1/4	4,906.72	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,852.33	1/2	4,206.90	1/2	4,561.13	1/2	4,914.02	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,859.73	3/4	4,214.28	3/4	4,568.51	3/4	4,921.32	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,867.13	11	4,221.66	11	4,575.89	11	4,928.63	11		11		11		11		11		11	
1/4	3,874.53	1/4	4,229.04	1/4	4,583.27	1/4	4,935.93	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,881.92	1/2	4,236.41	1/2	4,590.65	1/2	4,943.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,889.32	3/4	4,243.79	3/4	4,598.03	3/4	4,950.53	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CCL 423 T"

2 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0	12.40	0	344.96	0	697.59	0	1,041.99	0	1,387.01	0	1,739.05	0	2,091.70	0	2,444.34	0	2,796.98	0	3,149.62
1/4	16.53	1/4	352.31	1/4	704.94	1/4	1,049.03	1/4	1,394.32	1/4	1,746.40	1/4	2,099.04	1/4	2,451.68	1/4	2,804.33	1/4	3,156.97
1/2	20.66	1/2	359.65	1/2	712.28	1/2	1,056.07	1/2	1,401.62	1/2	1,753.75	1/2	2,106.39	1/2	2,459.03	1/2	2,811.67	1/2	3,164.31
3/4	24.79	3/4	367.00	3/4	719.63	3/4	1,063.12	3/4	1,408.92	3/4	1,761.09	3/4	2,113.74	3/4	2,466.38	3/4	2,819.02	3/4	3,171.66
1	28.93	1	374.35	1	726.97	1	1,070.16	1	1,416.23	1	1,768.44	1	2,121.08	1	2,473.72	1	2,826.37	1	3,179.01
1/4	34.89	1/4	381.69	1/4	734.32	1/4	1,077.20	1/4	1,423.53	1/4	1,775.79	1/4	2,128.43	1/4	2,481.07	1/4	2,833.71	1/4	3,186.35
1/2	40.86	1/2	389.04	1/2	741.67	1/2	1,084.24	1/2	1,430.83	1/2	1,783.13	1/2	2,135.78	1/2	2,488.42	1/2	2,841.06	1/2	3,193.70
3/4	46.82	3/4	396.39	3/4	749.01	3/4	1,091.28	3/4	1,438.14	3/4	1,790.48	3/4	2,143.12	3/4	2,495.76	3/4	2,848.41	3/4	3,201.05
2	52.79	2	403.73	2	756.36	2	1,098.32	2	1,445.44	2	1,797.83	2	2,150.47	2	2,503.11	2	2,855.75	2	3,208.39
1/4	59.83	1/4	411.08	1/4	763.71	1/4	1,105.36	1/4	1,452.76	1/4	1,805.17	1/4	2,157.82	1/4	2,510.46	1/4	2,863.10	1/4	3,215.74
1/2	66.88	1/2	418.43	1/2	771.05	1/2	1,112.41	1/2	1,460.07	1/2	1,812.52	1/2	2,165.16	1/2	2,517.80	1/2	2,870.45	1/2	3,223.09
3/4	73.93	3/4	425.77	3/4	778.40	3/4	1,119.45	3/4	1,467.39	3/4	1,819.87	3/4	2,172.51	3/4	2,525.15	3/4	2,877.79	3/4	3,230.43
3	80.97	3	433.12	3	785.75	3	1,126.49	3	1,474.70	3	1,827.21	3	2,179.86	3	2,532.50	3	2,885.14	3	3,237.78
1/4	88.26	1/4	440.46	1/4	793.09	1/4	1,133.53	1/4	1,482.02	1/4	1,834.56	1/4	2,187.20	1/4	2,539.84	1/4	2,892.49	1/4	3,245.13
1/2	95.54	1/2	447.81	1/2	800.44	1/2	1,140.57	1/2	1,489.34	1/2	1,841.91	1/2	2,194.55	1/2	2,547.19	1/2	2,899.83	1/2	3,252.47
3/4	102.83	3/4	455.16	3/4	807.78	3/4	1,147.61	3/4	1,496.66	3/4	1,849.25	3/4	2,201.90	3/4	2,554.54	3/4	2,907.18	3/4	3,259.82
4	110.11	4	462.50	4	815.13	4	1,154.66	4	1,503.99	4	1,856.60	4	2,209.24	4	2,561.88	4	2,914.53	4	3,267.17
1/4	117.43	1/4	469.85	1/4	822.48	1/4	1,161.68	1/4	1,511.33	1/4	1,863.95	1/4	2,216.59	1/4	2,569.23	1/4	2,921.87	1/4	3,274.51
1/2	124.74	1/2	477.20	1/2	829.82	1/2	1,168.70	1/2	1,518.67	1/2	1,871.29	1/2	2,223.94	1/2	2,576.58	1/2	2,929.22	1/2	3,281.86
3/4	132.05	3/4	484.54	3/4	837.17	3/4	1,175.72	3/4	1,526.01	3/4	1,878.64	3/4	2,231.28	3/4	2,583.92	3/4	2,936.57	3/4	3,289.21
5	139.36	5	491.89	5	844.52	5	1,182.74	5	1,533.35	5	1,885.99	5	2,238.63	5	2,591.27	5	2,943.91	5	3,296.55
1/4	146.69	1/4	499.24	1/4	851.64	1/4	1,189.99	1/4	1,540.69	1/4	1,893.33	1/4	2,245.98	1/4	2,598.62	1/4	2,951.26	1/4	3,303.90
1/2	154.02	1/2	506.58	1/2	858.75	1/2	1,197.23	1/2	1,548.04	1/2	1,900.68	1/2	2,253.32	1/2	2,605.96	1/2	2,958.61	1/2	3,311.25
3/4	161.35	3/4	513.93	3/4	865.87	3/4	1,204.48	3/4	1,555.39	3/4	1,908.03	3/4	2,260.67	3/4	2,613.31	3/4	2,965.95	3/4	3,318.59
6	168.68	6	521.28	6	872.99	6	1,211.72	6	1,562.73	6	1,915.37	6	2,268.02	6	2,620.66	6	2,973.30	6	3,325.94
1/4	176.02	1/4	528.62	1/4	880.03	1/4	1,219.03	1/4	1,570.08	1/4	1,922.72	1/4	2,275.36	1/4	2,628.00	1/4	2,980.65	1/4	3,333.29
1/2	183.36	1/2	535.97	1/2	887.08	1/2	1,226.33	1/2	1,577.43	1/2	1,930.07	1/2	2,282.71	1/2	2,635.35	1/2	2,987.99	1/2	3,340.63
3/4	190.70	3/4	543.31	3/4	894.12	3/4	1,233.64	3/4	1,584.77	3/4	1,937.41	3/4	2,290.06	3/4	2,642.70	3/4	2,995.34	3/4	3,347.98
7	198.04	7	550.66	7	901.16	7	1,240.95	7	1,592.12	7	1,944.76	7	2,297.40	7	2,650.04	7	3,002.69	7	3,355.33
1/4	205.38	1/4	558.01	1/4	908.20	1/4	1,248.25	1/4	1,599.47	1/4	1,952.11	1/4	2,304.75	1/4	2,657.39	1/4	3,010.03	1/4	3,362.67
1/2	212.73	1/2	565.35	1/2	915.24	1/2	1,255.56	1/2	1,606.81	1/2	1,959.45	1/2	2,312.10	1/2	2,664.74	1/2	3,017.38	1/2	3,370.02
3/4	220.07	3/4	572.70	3/4	922.28	3/4	1,262.86	3/4	1,614.16	3/4	1,966.80	3/4	2,319.44	3/4	2,672.08	3/4	3,024.73	3/4	3,377.37
8	227.42	8	580.05	8	929.32	8	1,270.16	8	1,621.51	8	1,974.15	8	2,326.79	8	2,679.43	8	3,032.07	8	3,384.71
1/4	234.77	1/4	587.39	1/4	936.37	1/4	1,277.47	1/4	1,628.85	1/4	1,981.49	1/4	2,334.14	1/4	2,686.78	1/4	3,039.42	1/4	3,392.06
1/2	242.11	1/2	594.74	1/2	943.41	1/2	1,284.77	1/2	1,636.20	1/2	1,988.84	1/2	2,341.48	1/2	2,694.12	1/2	3,046.77	1/2	3,399.41
3/4	249.46	3/4	602.09	3/4	950.45	3/4	1,292.07	3/4	1,643.55	3/4	1,996.19	3/4	2,348.83	3/4	2,701.47	3/4	3,054.11	3/4	3,406.75
9	256.80	9	609.43	9	957.49	9	1,299.38	9	1,650.89	9	2,003.53	9	2,356.18	9	2,708.82	9	3,061.46	9	3,414.10
1/4	264.15	1/4	616.78	1/4	964.53	1/4	1,306.68	1/4	1,658.24	1/4	2,010.88	1/4	2,363.52	1/4	2,716.16	1/4	3,068.81	1/4	3,421.45
1/2	271.50	1/2	624.12	1/2	971.57	1/2	1,313.98	1/2	1,665.59	1/2	2,018.23	1/2	2,370.87	1/2	2,723.51	1/2	3,076.15	1/2	3,428.79
3/4	278.84	3/4	631.47	3/4	978.62	3/4	1,321.28	3/4	1,672.93	3/4	2,025.57	3/4	2,378.22	3/4	2,730.86	3/4	3,083.50	3/4	3,436.14
10	286.19	10	638.82	10	985.66	10	1,328.59	10	1,680.28	10	2,032.92	10	2,385.56	10	2,738.20	10	3,090.85	10	3,443.49
1/4	293.54	1/4	646.16	1/4	992.70	1/4	1,335.89	1/4	1,687.63	1/4	2,040.27	1/4	2,392.91	1/4	2,745.55	1/4	3,098.19	1/4	3,450.83
1/2	300.88	1/2	653.51	1/2	999.74	1/2	1,343.19	1/2	1,694.97	1/2	2,047.62	1/2	2,400.26	1/2	2,752.90	1/2	3,105.54	1/2	3,458.18
3/4	308.23	3/4	660.86	3/4	1,006.78	3/4	1,350.50	3/4	1,702.32	3/4	2,054.96	3/4	2,407.60	3/4	2,760.24	3/4	3,112.89	3/4	3,465.53
11	315.58	11	668.20	11	1,013.82	11	1,357.80	11	1,709.67	11	2,062.31	11	2,414.95	11	2,767.59	11	3,120.23	11	3,472.87
1/4	322.92	1/4	675.55	1/4	1,020.87	1/4	1,365.10	1/4	1,717.01	1/4	2,069.66	1/4	2,422.30	1/4	2,774.94	1/4	3,127.58	1/4	3,480.22
1/2	330.27	1/2	682.90	1/2	1,027.91	1/2	1,372.41	1/2	1,724.36	1/2	2,077.00	1/2	2,429.64	1/2	2,782.29	1/2	3,134.93	1/2	3,487.57
3/4	337.62	3/4	690.24	3/4	1,034.95	3/4	1,379.71	3/4	1,731.71	3/4	2,084.35	3/4	2,436.99	3/4	2,789.63	3/4	3,142.27	3/4	3,494.91

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CCL 423 T"

2 PORT

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,502.26	0	3,854.90	0	4,206.84	0	4,558.52	0	4,908.24	0		0		0		0		0	
1/4	3,509.61	1/4	3,862.25	1/4	4,214.16	1/4	4,565.84	1/4	4,915.49	1/4		1/4		1/4		1/4		1/4	
1/2	3,516.96	1/2	3,869.60	1/2	4,221.49	1/2	4,573.17	1/2	4,922.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,524.30	3/4	3,876.94	3/4	4,228.82	3/4	4,580.50	3/4	4,929.97	3/4		3/4		3/4		3/4		3/4	
1	3,531.65	1	3,884.29	1	4,236.14	1	4,587.82	1	4,937.21	1		1		1		1		1	
1/4	3,539.00	1/4	3,891.64	1/4	4,243.47	1/4	4,595.15	1/4	4,944.45	1/4		1/4		1/4		1/4		1/4	
1/2	3,546.34	1/2	3,898.98	1/2	4,250.80	1/2	4,602.48	1/2	4,951.70	1/2		1/2		1/2		1/2		1/2	
3/4	3,553.69	3/4	3,906.33	3/4	4,258.12	3/4	4,609.80	3/4	4,958.94	3/4		3/4		3/4		3/4		3/4	
2	3,561.04	2	3,913.68	2	4,265.45	2	4,617.13	2	4,966.18	2		2		2		2		2	
1/4	3,568.38	1/4	3,921.02	1/4	4,272.78	1/4	4,624.46	1/4	4,973.31	1/4		1/4		1/4		1/4		1/4	
1/2	3,575.73	1/2	3,928.37	1/2	4,280.10	1/2	4,631.78	1/2	4,980.44	1/2		1/2		1/2		1/2		1/2	
3/4	3,583.08	3/4	3,935.72	3/4	4,287.43	3/4	4,639.11	3/4	4,987.56	3/4		3/4		3/4		3/4		3/4	
3	3,590.42	3	3,943.06	3	4,294.76	3	4,646.44	3	4,994.69	3		3		3		3		3	
1/4	3,597.77	1/4	3,950.39	1/4	4,302.08	1/4	4,653.77	1/4	5,000.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,605.12	1/2	3,957.72	1/2	4,309.41	1/2	4,661.09	1/2	5,007.26	1/2		1/2		1/2		1/2		1/2	
3/4	3,612.46	3/4	3,965.05	3/4	4,316.74	3/4	4,668.42	3/4	5,013.55	3/4		3/4		3/4		3/4		3/4	
4	3,619.81	4	3,972.38	4	4,324.06	4	4,675.75	4	5,019.83	4		4		4		4		4	
1/4	3,627.16	1/4	3,979.71	1/4	4,331.39	1/4	4,683.07	1/4	5,024.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,634.50	1/2	3,987.04	1/2	4,338.72	1/2	4,690.40	1/2	5,030.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,641.85	3/4	3,994.36	3/4	4,346.04	3/4	4,697.73	3/4	5,035.13	3/4		3/4		3/4		3/4		3/4	
5	3,649.20	5	4,001.69	5	4,353.37	5	4,705.05	5	5,040.23	5		5		5		5		5	
1/4	3,656.54	1/4	4,009.02	1/4	4,360.70	1/4	4,712.38	1/4	5,044.11	1/4		1/4		1/4		1/4		1/4	
1/2	3,663.89	1/2	4,016.34	1/2	4,368.02	1/2	4,719.71	1/2	5,047.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,671.24	3/4	4,023.67	3/4	4,375.35	3/4	4,727.03	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,678.58	6	4,031.00	6	4,382.68	6	4,734.36	6		6		6		6		6		6	
1/4	3,685.93	1/4	4,038.32	1/4	4,390.00	1/4	4,741.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,693.28	1/2	4,045.65	1/2	4,397.33	1/2	4,748.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,700.62	3/4	4,052.98	3/4	4,404.66	3/4	4,756.15	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,707.97	7	4,060.30	7	4,411.98	7	4,763.41	7		7		7		7		7		7	
1/4	3,715.32	1/4	4,067.63	1/4	4,419.31	1/4	4,770.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,722.66	1/2	4,074.96	1/2	4,426.64	1/2	4,777.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,730.01	3/4	4,082.28	3/4	4,433.96	3/4	4,785.13	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,737.36	8	4,089.61	8	4,441.29	8	4,792.38	8		8		8		8		8		8	
1/4	3,744.70	1/4	4,096.94	1/4	4,448.62	1/4	4,799.62	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,752.05	1/2	4,104.26	1/2	4,455.94	1/2	4,806.86	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,759.40	3/4	4,111.59	3/4	4,463.27	3/4	4,814.10	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,766.74	9	4,118.92	9	4,470.60	9	4,821.34	9		9		9		9		9		9	
1/4	3,774.09	1/4	4,126.24	1/4	4,477.92	1/4	4,828.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,781.44	1/2	4,133.57	1/2	4,485.25	1/2	4,835.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,788.78	3/4	4,140.90	3/4	4,492.58	3/4	4,843.07	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,796.13	10	4,148.22	10	4,499.90	10	4,850.31	10		10		10		10		10		10	
1/4	3,803.48	1/4	4,155.55	1/4	4,507.23	1/4	4,857.55	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,810.82	1/2	4,162.88	1/2	4,514.56	1/2	4,864.79	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,818.17	3/4	4,170.20	3/4	4,521.88	3/4	4,872.04	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,825.52	11	4,177.53	11	4,529.21	11	4,879.28	11		11		11		11		11		11	
1/4	3,832.86	1/4	4,184.86	1/4	4,536.54	1/4	4,886.52	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,840.21	1/2	4,192.18	1/2	4,543.86	1/2	4,893.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,847.56	3/4	4,199.51	3/4	4,551.19	3/4	4,901.00	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.omacorp.net>



BARGE "CCL 423 T"

2 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0	12.37	0	344.31	0	696.27	0	1,048.23	0	1,398.98	0	1,750.35	0	2,102.32	0	2,454.29	0	2,806.26	0	3,158.23
1/4	16.50	1/4	351.64	1/4	703.60	1/4	1,055.56	1/4	1,406.27	1/4	1,757.69	1/4	2,109.65	1/4	2,461.62	1/4	2,813.59	1/4	3,165.56
1/2	20.62	1/2	358.97	1/2	710.93	1/2	1,062.89	1/2	1,413.56	1/2	1,765.02	1/2	2,116.99	1/2	2,468.96	1/2	2,820.93	1/2	3,172.90
3/4	24.75	3/4	366.30	3/4	718.26	3/4	1,070.22	3/4	1,420.85	3/4	1,772.35	3/4	2,124.32	3/4	2,476.29	3/4	2,828.26	3/4	3,180.23
1	28.87	1	373.64	1	725.60	1	1,077.56	1	1,428.14	1	1,779.68	1	2,131.65	1	2,483.62	1	2,835.59	1	3,187.56
1/4	34.83	1/4	380.97	1/4	732.93	1/4	1,084.89	1/4	1,435.43	1/4	1,787.02	1/4	2,138.99	1/4	2,490.96	1/4	2,842.92	1/4	3,194.89
1/2	40.78	1/2	388.30	1/2	740.26	1/2	1,092.22	1/2	1,442.72	1/2	1,794.35	1/2	2,146.32	1/2	2,498.29	1/2	2,850.26	1/2	3,202.23
3/4	46.73	3/4	395.63	3/4	747.59	3/4	1,099.55	3/4	1,450.01	3/4	1,801.68	3/4	2,153.65	3/4	2,505.62	3/4	2,857.59	3/4	3,209.56
2	52.69	2	402.97	2	754.93	2	1,106.89	2	1,457.30	2	1,809.01	2	2,160.98	2	2,512.95	2	2,864.92	2	3,216.89
1/4	59.72	1/4	410.30	1/4	762.26	1/4	1,114.22	1/4	1,464.60	1/4	1,816.35	1/4	2,168.32	1/4	2,520.29	1/4	2,872.26	1/4	3,224.23
1/2	66.75	1/2	417.63	1/2	769.59	1/2	1,121.55	1/2	1,471.90	1/2	1,823.68	1/2	2,175.65	1/2	2,527.62	1/2	2,879.59	1/2	3,231.56
3/4	73.79	3/4	424.96	3/4	776.92	3/4	1,128.88	3/4	1,479.20	3/4	1,831.01	3/4	2,182.98	3/4	2,534.95	3/4	2,886.92	3/4	3,238.89
3	80.82	3	432.30	3	784.26	3	1,136.22	3	1,486.51	3	1,838.34	3	2,190.31	3	2,542.28	3	2,894.25	3	3,246.22
1/4	88.09	1/4	439.63	1/4	791.59	1/4	1,143.55	1/4	1,493.81	1/4	1,845.68	1/4	2,197.65	1/4	2,549.62	1/4	2,901.59	1/4	3,253.56
1/2	95.36	1/2	446.96	1/2	798.92	1/2	1,150.88	1/2	1,501.12	1/2	1,853.01	1/2	2,204.98	1/2	2,556.95	1/2	2,908.92	1/2	3,260.89
3/4	102.63	3/4	454.29	3/4	806.25	3/4	1,158.21	3/4	1,508.43	3/4	1,860.34	3/4	2,212.31	3/4	2,564.28	3/4	2,916.25	3/4	3,268.22
4	109.90	4	461.63	4	813.59	4	1,165.55	4	1,515.73	4	1,867.68	4	2,219.65	4	2,571.61	4	2,923.58	4	3,275.55
1/4	117.20	1/4	468.96	1/4	820.92	1/4	1,172.86	1/4	1,523.06	1/4	1,875.01	1/4	2,226.98	1/4	2,578.95	1/4	2,930.92	1/4	3,282.89
1/2	124.50	1/2	476.29	1/2	828.25	1/2	1,180.17	1/2	1,530.38	1/2	1,882.34	1/2	2,234.31	1/2	2,586.28	1/2	2,938.25	1/2	3,290.22
3/4	131.80	3/4	483.62	3/4	835.58	3/4	1,187.49	3/4	1,537.71	3/4	1,889.67	3/4	2,241.64	3/4	2,593.61	3/4	2,945.58	3/4	3,297.55
5	139.10	5	490.96	5	842.92	5	1,194.80	5	1,545.04	5	1,897.01	5	2,248.98	5	2,600.95	5	2,952.92	5	3,304.88
1/4	146.41	1/4	498.29	1/4	850.25	1/4	1,202.11	1/4	1,552.37	1/4	1,904.34	1/4	2,256.31	1/4	2,608.28	1/4	2,960.25	1/4	3,312.22
1/2	153.73	1/2	505.62	1/2	857.58	1/2	1,209.41	1/2	1,559.70	1/2	1,911.67	1/2	2,263.64	1/2	2,615.61	1/2	2,967.58	1/2	3,319.55
3/4	161.05	3/4	512.95	3/4	864.91	3/4	1,216.72	3/4	1,567.04	3/4	1,919.00	3/4	2,270.97	3/4	2,622.94	3/4	2,974.91	3/4	3,326.88
6	168.36	6	520.29	6	872.25	6	1,224.02	6	1,574.37	6	1,926.34	6	2,278.31	6	2,630.28	6	2,982.25	6	3,334.22
1/4	175.69	1/4	527.62	1/4	879.58	1/4	1,231.32	1/4	1,581.70	1/4	1,933.67	1/4	2,285.64	1/4	2,637.61	1/4	2,989.58	1/4	3,341.55
1/2	183.01	1/2	534.95	1/2	886.91	1/2	1,238.61	1/2	1,589.03	1/2	1,941.00	1/2	2,292.97	1/2	2,644.94	1/2	2,996.91	1/2	3,348.88
3/4	190.34	3/4	542.28	3/4	894.24	3/4	1,245.91	3/4	1,596.37	3/4	1,948.34	3/4	2,300.30	3/4	2,652.27	3/4	3,004.24	3/4	3,356.21
7	197.66	7	549.62	7	901.58	7	1,253.20	7	1,603.70	7	1,955.67	7	2,307.64	7	2,659.61	7	3,011.58	7	3,363.55
1/4	204.99	1/4	556.95	1/4	908.91	1/4	1,260.49	1/4	1,611.03	1/4	1,963.00	1/4	2,314.97	1/4	2,666.94	1/4	3,018.91	1/4	3,370.88
1/2	212.33	1/2	564.28	1/2	916.24	1/2	1,267.78	1/2	1,618.36	1/2	1,970.33	1/2	2,322.30	1/2	2,674.27	1/2	3,026.24	1/2	3,378.21
3/4	219.66	3/4	571.61	3/4	923.57	3/4	1,275.07	3/4	1,625.70	3/4	1,977.67	3/4	2,329.64	3/4	2,681.61	3/4	3,033.57	3/4	3,385.54
8	226.99	8	578.95	8	930.91	8	1,282.36	8	1,633.03	8	1,985.00	8	2,336.97	8	2,688.94	8	3,040.91	8	3,392.88
1/4	234.32	1/4	586.28	1/4	938.24	1/4	1,289.64	1/4	1,640.36	1/4	1,992.33	1/4	2,344.30	1/4	2,696.27	1/4	3,048.24	1/4	3,400.21
1/2	241.65	1/2	593.61	1/2	945.57	1/2	1,296.93	1/2	1,647.69	1/2	1,999.66	1/2	2,351.63	1/2	2,703.60	1/2	3,055.57	1/2	3,407.54
3/4	248.98	3/4	600.94	3/4	952.90	3/4	1,304.22	3/4	1,655.03	3/4	2,007.00	3/4	2,358.97	3/4	2,710.94	3/4	3,062.91	3/4	3,414.88
9	256.32	9	608.28	9	960.24	9	1,311.51	9	1,662.36	9	2,014.33	9	2,366.30	9	2,718.27	9	3,070.24	9	3,422.21
1/4	263.65	1/4	615.61	1/4	967.57	1/4	1,318.80	1/4	1,669.69	1/4	2,021.66	1/4	2,373.63	1/4	2,725.60	1/4	3,077.57	1/4	3,429.54
1/2	270.98	1/2	622.94	1/2	974.90	1/2	1,326.09	1/2	1,677.03	1/2	2,029.00	1/2	2,380.96	1/2	2,732.93	1/2	3,084.90	1/2	3,436.87
3/4	278.31	3/4	630.27	3/4	982.23	3/4	1,333.38	3/4	1,684.36	3/4	2,036.33	3/4	2,388.30	3/4	2,740.27	3/4	3,092.24	3/4	3,444.21
10	285.65	10	637.61	10	989.57	10	1,340.67	10	1,691.69	10	2,043.66	10	2,395.63	10	2,747.60	10	3,099.57	10	3,451.54
1/4	292.98	1/4	644.94	1/4	996.90	1/4	1,347.96	1/4	1,699.02	1/4	2,050.99	1/4	2,402.96	1/4	2,754.93	1/4	3,106.90	1/4	3,458.87
1/2	300.31	1/2	652.27	1/2	1,004.23	1/2	1,355.25	1/2	1,706.36	1/2	2,058.33	1/2	2,410.30	1/2	2,762.27	1/2	3,114.23	1/2	3,466.20
3/4	307.64	3/4	659.60	3/4	1,011.56	3/4	1,362.54	3/4	1,713.69	3/4	2,065.66	3/4	2,417.63	3/4	2,769.60	3/4	3,121.57	3/4	3,473.54
11	314.98	11	666.94	11	1,018.90	11	1,369.83	11	1,721.02	11	2,072.99	11	2,424.96	11	2,776.93	11	3,128.90	11	3,480.87
1/4	322.31	1/4	674.27	1/4	1,026.23	1/4	1,377.11	1/4	1,728.35	1/4	2,080.32	1/4	2,432.29	1/4	2,784.26	1/4	3,136.23	1/4	3,488.20
1/2	329.64	1/2	681.60	1/2	1,033.56	1/2	1,384.40	1/2	1,735.69	1/2	2,087.66	1/2	2,439.63	1/2	2,791.60	1/2	3,143.57	1/2	3,495.54
3/4	336.97	3/4	688.93	3/4	1,040.89	3/4	1,391.69	3/4	1,743.02	3/4	2,094.99	3/4	2,446.96	3/4	2,798.93	3/4	3,150.90	3/4	3,502.87

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CCL 423 T"

2 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,510.20	0	3,862.17	0	4,213.45	0	4,564.46	0	4,913.52	0		0		0		0		0	
1/4	3,517.53	1/4	3,869.50	1/4	4,220.76	1/4	4,571.77	1/4	4,920.75	1/4		1/4		1/4		1/4		1/4	
1/2	3,524.87	1/2	3,876.84	1/2	4,228.07	1/2	4,579.08	1/2	4,927.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,532.20	3/4	3,884.17	3/4	4,235.39	3/4	4,586.40	3/4	4,935.20	3/4		3/4		3/4		3/4		3/4	
1	3,539.53	1	3,891.50	1	4,242.70	1	4,593.71	1	4,942.43	1		1		1		1		1	
1/4	3,546.86	1/4	3,898.83	1/4	4,250.01	1/4	4,601.02	1/4	4,949.66	1/4		1/4		1/4		1/4		1/4	
1/2	3,554.20	1/2	3,906.17	1/2	4,257.32	1/2	4,608.33	1/2	4,956.89	1/2		1/2		1/2		1/2		1/2	
3/4	3,561.53	3/4	3,913.50	3/4	4,264.64	3/4	4,615.65	3/4	4,964.11	3/4		3/4		3/4		3/4		3/4	
2	3,568.86	2	3,920.83	2	4,271.95	2	4,622.96	2	4,971.34	2		2		2		2		2	
1/4	3,576.19	1/4	3,928.16	1/4	4,279.26	1/4	4,630.27	1/4	4,978.46	1/4		1/4		1/4		1/4		1/4	
1/2	3,583.53	1/2	3,935.50	1/2	4,286.57	1/2	4,637.58	1/2	4,985.57	1/2		1/2		1/2		1/2		1/2	
3/4	3,590.86	3/4	3,942.83	3/4	4,293.89	3/4	4,644.90	3/4	4,992.69	3/4		3/4		3/4		3/4		3/4	
3	3,598.19	3	3,950.16	3	4,301.20	3	4,652.21	3	4,999.80	3		3		3		3		3	
1/4	3,605.53	1/4	3,957.48	1/4	4,308.51	1/4	4,659.52	1/4	5,006.07	1/4		1/4		1/4		1/4		1/4	
1/2	3,612.86	1/2	3,964.80	1/2	4,315.83	1/2	4,666.84	1/2	5,012.35	1/2		1/2		1/2		1/2		1/2	
3/4	3,620.19	3/4	3,972.12	3/4	4,323.14	3/4	4,674.15	3/4	5,018.62	3/4		3/4		3/4		3/4		3/4	
4	3,627.52	4	3,979.44	4	4,330.45	4	4,681.46	4	5,024.89	4		4		4		4		4	
1/4	3,634.86	1/4	3,986.75	1/4	4,337.76	1/4	4,688.77	1/4	5,029.98	1/4		1/4		1/4		1/4		1/4	
1/2	3,642.19	1/2	3,994.07	1/2	4,345.08	1/2	4,696.09	1/2	5,035.07	1/2		1/2		1/2		1/2		1/2	
3/4	3,649.52	3/4	4,001.38	3/4	4,352.39	3/4	4,703.40	3/4	5,040.16	3/4		3/4		3/4		3/4		3/4	
5	3,656.85	5	4,008.69	5	4,359.70	5	4,710.71	5	5,045.25	5		5		5		5		5	
1/4	3,664.19	1/4	4,016.00	1/4	4,367.01	1/4	4,718.02	1/4	5,049.12	1/4		1/4		1/4		1/4		1/4	
1/2	3,671.52	1/2	4,023.32	1/2	4,374.33	1/2	4,725.34	1/2	5,052.98	1/2		1/2		1/2		1/2		1/2	
3/4	3,678.85	3/4	4,030.63	3/4	4,381.64	3/4	4,732.65	3/4		3/4		3/4		3/4		3/4		3/4	
6	3,686.19	6	4,037.94	6	4,388.95	6	4,739.96	6		6		6		6		6		6	
1/4	3,693.52	1/4	4,045.26	1/4	4,396.27	1/4	4,747.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,700.85	1/2	4,052.57	1/2	4,403.58	1/2	4,754.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,708.18	3/4	4,059.88	3/4	4,410.89	3/4	4,761.71	3/4		3/4		3/4		3/4		3/4		3/4	
7	3,715.52	7	4,067.19	7	4,418.20	7	4,768.96	7		7		7		7		7		7	
1/4	3,722.85	1/4	4,074.51	1/4	4,425.52	1/4	4,776.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,730.18	1/2	4,081.82	1/2	4,432.83	1/2	4,783.42	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,737.51	3/4	4,089.13	3/4	4,440.14	3/4	4,790.65	3/4		3/4		3/4		3/4		3/4		3/4	
8	3,744.85	8	4,096.44	8	4,447.45	8	4,797.87	8		8		8		8		8		8	
1/4	3,752.18	1/4	4,103.76	1/4	4,454.77	1/4	4,805.10	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,759.51	1/2	4,111.07	1/2	4,462.08	1/2	4,812.33	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,766.84	3/4	4,118.38	3/4	4,469.39	3/4	4,819.56	3/4		3/4		3/4		3/4		3/4		3/4	
9	3,774.18	9	4,125.70	9	4,476.70	9	4,826.78	9		9		9		9		9		9	
1/4	3,781.51	1/4	4,133.01	1/4	4,484.02	1/4	4,834.01	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,788.84	1/2	4,140.32	1/2	4,491.33	1/2	4,841.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,796.18	3/4	4,147.63	3/4	4,498.64	3/4	4,848.47	3/4		3/4		3/4		3/4		3/4		3/4	
10	3,803.51	10	4,154.95	10	4,505.96	10	4,855.70	10		10		10		10		10		10	
1/4	3,810.84	1/4	4,162.26	1/4	4,513.27	1/4	4,862.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,818.17	1/2	4,169.57	1/2	4,520.58	1/2	4,870.15	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,825.51	3/4	4,176.88	3/4	4,527.89	3/4	4,877.38	3/4		3/4		3/4		3/4		3/4		3/4	
11	3,832.84	11	4,184.20	11	4,535.21	11	4,884.61	11		11		11		11		11		11	
1/4	3,840.17	1/4	4,191.51	1/4	4,542.52	1/4	4,891.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,847.50	1/2	4,198.82	1/2	4,549.83	1/2	4,899.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,854.84	3/4	4,206.13	3/4	4,557.14	3/4	4,906.29	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.omacorp.net>



BARGE "CCL 423 T"

3 PORT INNAGE TABLE

HERMETIC GAUGE HEIGHT 15'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0	14.20	0	396.74	0	801.88	0	1,200.24	0	1,599.38	0	2,003.83	0	2,406.75	0	2,811.17	0	3,216.07	0	3,620.71
1/4	18.96	1/4	405.18	1/4	810.31	1/4	1,208.42	1/4	1,607.78	1/4	2,012.27	1/4	2,415.13	1/4	2,819.60	1/4	3,224.51	1/4	3,629.12
1/2	23.71	1/2	413.63	1/2	818.74	1/2	1,216.60	1/2	1,616.17	1/2	2,020.71	1/2	2,423.51	1/2	2,828.04	1/2	3,232.94	1/2	3,637.53
3/4	28.47	3/4	422.07	3/4	827.18	3/4	1,224.79	3/4	1,624.57	3/4	2,029.14	3/4	2,431.88	3/4	2,836.47	3/4	3,241.38	3/4	3,645.94
1	33.23	1	430.52	1	835.61	1	1,232.97	1	1,632.96	1	2,037.58	1	2,440.26	1	2,844.91	1	3,249.81	1	3,654.35
1/4	40.09	1/4	438.96	1/4	844.05	1/4	1,241.15	1/4	1,641.36	1/4	2,046.02	1/4	2,448.65	1/4	2,853.34	1/4	3,258.25	1/4	3,662.76
1/2	46.96	1/2	447.40	1/2	852.48	1/2	1,249.34	1/2	1,649.75	1/2	2,054.46	1/2	2,457.03	1/2	2,861.78	1/2	3,266.68	1/2	3,671.18
3/4	53.82	3/4	455.85	3/4	860.91	3/4	1,257.52	3/4	1,658.15	3/4	2,062.90	3/4	2,465.41	3/4	2,870.22	3/4	3,275.12	3/4	3,679.59
2	60.69	2	464.29	2	869.35	2	1,265.70	2	1,666.54	2	2,071.34	2	2,473.80	2	2,878.65	2	3,283.56	2	3,688.00
1/4	68.80	1/4	472.74	1/4	877.78	1/4	1,273.93	1/4	1,674.95	1/4	2,079.74	1/4	2,482.22	1/4	2,887.09	1/4	3,291.99	1/4	3,696.41
1/2	76.91	1/2	481.18	1/2	886.22	1/2	1,282.15	1/2	1,683.36	1/2	2,088.14	1/2	2,490.64	1/2	2,895.52	1/2	3,300.43	1/2	3,704.82
3/4	85.02	3/4	489.63	3/4	894.65	3/4	1,290.37	3/4	1,691.76	3/4	2,096.54	3/4	2,499.07	3/4	2,903.96	3/4	3,308.86	3/4	3,713.23
3	93.14	3	498.07	3	903.08	3	1,298.59	3	1,700.17	3	2,104.94	3	2,507.49	3	2,912.39	3	3,317.30	3	3,721.64
1/4	101.52	1/4	506.52	1/4	911.53	1/4	1,306.83	1/4	1,708.59	1/4	2,113.33	1/4	2,515.92	1/4	2,920.83	1/4	3,325.73	1/4	3,730.05
1/2	109.91	1/2	514.96	1/2	919.97	1/2	1,315.07	1/2	1,717.00	1/2	2,121.72	1/2	2,524.36	1/2	2,929.26	1/2	3,334.17	1/2	3,738.46
3/4	118.29	3/4	523.41	3/4	928.41	3/4	1,323.30	3/4	1,725.41	3/4	2,130.10	3/4	2,532.80	3/4	2,937.70	3/4	3,342.60	3/4	3,746.88
4	126.68	4	531.85	4	936.85	4	1,331.54	4	1,733.82	4	2,138.49	4	2,541.23	4	2,946.14	4	3,351.04	4	3,755.29
1/4	135.10	1/4	540.30	1/4	945.30	1/4	1,339.76	1/4	1,742.25	1/4	2,146.88	1/4	2,549.67	1/4	2,954.57	1/4	3,359.47	1/4	3,763.70
1/2	143.51	1/2	548.74	1/2	953.74	1/2	1,347.97	1/2	1,750.69	1/2	2,155.27	1/2	2,558.10	1/2	2,963.01	1/2	3,367.91	1/2	3,772.11
3/4	151.93	3/4	557.18	3/4	962.19	3/4	1,356.19	3/4	1,759.12	3/4	2,163.66	3/4	2,566.54	3/4	2,971.44	3/4	3,376.35	3/4	3,780.52
5	160.35	5	565.63	5	970.63	5	1,364.41	5	1,767.55	5	2,172.05	5	2,574.97	5	2,979.88	5	3,384.78	5	3,788.93
1/4	168.78	1/4	574.07	1/4	978.92	1/4	1,372.77	1/4	1,775.99	1/4	2,180.43	1/4	2,583.41	1/4	2,988.31	1/4	3,393.22	1/4	3,797.34
1/2	177.22	1/2	582.52	1/2	987.21	1/2	1,381.13	1/2	1,784.43	1/2	2,188.81	1/2	2,591.84	1/2	2,996.75	1/2	3,401.65	1/2	3,805.75
3/4	185.66	3/4	590.96	3/4	995.50	3/4	1,389.50	3/4	1,792.87	3/4	2,197.19	3/4	2,600.28	3/4	3,005.18	3/4	3,410.09	3/4	3,814.17
6	194.09	6	599.41	6	1,003.79	6	1,397.86	6	1,801.30	6	2,205.58	6	2,608.72	6	3,013.62	6	3,418.52	6	3,822.58
1/4	202.53	1/4	607.85	1/4	1,011.98	1/4	1,406.26	1/4	1,809.74	1/4	2,213.96	1/4	2,617.15	1/4	3,022.05	1/4	3,426.96	1/4	3,831.00
1/2	210.97	1/2	616.30	1/2	1,020.18	1/2	1,414.66	1/2	1,818.18	1/2	2,222.34	1/2	2,625.59	1/2	3,030.49	1/2	3,435.39	1/2	3,839.42
3/4	219.41	3/4	624.74	3/4	1,028.38	3/4	1,423.06	3/4	1,826.62	3/4	2,230.72	3/4	2,634.02	3/4	3,038.93	3/4	3,443.83	3/4	3,847.84
7	227.85	7	633.19	7	1,036.58	7	1,431.46	7	1,835.06	7	2,239.10	7	2,642.46	7	3,047.36	7	3,452.27	7	3,856.26
1/4	236.30	1/4	641.62	1/4	1,044.76	1/4	1,439.86	1/4	1,843.50	1/4	2,247.48	1/4	2,650.89	1/4	3,055.80	1/4	3,460.70	1/4	3,864.69
1/2	244.74	1/2	650.06	1/2	1,052.94	1/2	1,448.25	1/2	1,851.94	1/2	2,255.86	1/2	2,659.33	1/2	3,064.23	1/2	3,469.14	1/2	3,873.11
3/4	253.18	3/4	658.49	3/4	1,061.12	3/4	1,456.65	3/4	1,860.37	3/4	2,264.24	3/4	2,667.76	3/4	3,072.67	3/4	3,477.57	3/4	3,881.54
8	261.62	8	666.93	8	1,069.31	8	1,465.05	8	1,868.81	8	2,272.62	8	2,676.20	8	3,081.10	8	3,486.01	8	3,889.96
1/4	270.07	1/4	675.37	1/4	1,077.49	1/4	1,473.44	1/4	1,877.25	1/4	2,281.00	1/4	2,684.63	1/4	3,089.54	1/4	3,494.44	1/4	3,896.69
1/2	278.51	1/2	683.80	1/2	1,085.67	1/2	1,481.84	1/2	1,885.69	1/2	2,289.38	1/2	2,693.07	1/2	3,097.97	1/2	3,502.88	1/2	3,903.42
3/4	286.96	3/4	692.23	3/4	1,093.86	3/4	1,490.24	3/4	1,894.13	3/4	2,297.76	3/4	2,701.51	3/4	3,106.41	3/4	3,511.31	3/4	3,910.15
9	295.40	9	700.67	9	1,102.04	9	1,498.63	9	1,902.57	9	2,306.14	9	2,709.94	9	3,114.85	9	3,519.75	9	3,916.88
1/4	303.85	1/4	709.10	1/4	1,110.22	1/4	1,507.03	1/4	1,911.00	1/4	2,314.53	1/4	2,718.38	1/4	3,123.28	1/4	3,528.17	1/4	3,923.04
1/2	312.29	1/2	717.54	1/2	1,118.41	1/2	1,515.43	1/2	1,919.44	1/2	2,322.91	1/2	2,726.81	1/2	3,131.72	1/2	3,536.58	1/2	3,929.21
3/4	320.74	3/4	725.97	3/4	1,126.59	3/4	1,523.82	3/4	1,927.88	3/4	2,331.29	3/4	2,735.25	3/4	3,140.15	3/4	3,545.00	3/4	3,935.38
10	329.18	10	734.40	10	1,134.77	10	1,532.22	10	1,936.32	10	2,339.68	10	2,743.68	10	3,148.59	10	3,553.42	10	3,941.54
1/4	337.62	1/4	742.84	1/4	1,142.96	1/4	1,540.61	1/4	1,944.76	1/4	2,348.06	1/4	2,752.12	1/4	3,157.02	1/4	3,561.83	1/4	3,947.73
1/2	346.07	1/2	751.27	1/2	1,151.14	1/2	1,549.01	1/2	1,953.20	1/2	2,356.44	1/2	2,760.55	1/2	3,165.46	1/2	3,570.24	1/2	3,953.92
3/4	354.51	3/4	759.71	3/4	1,159.32	3/4	1,557.41	3/4	1,961.64	3/4	2,364.83	3/4	2,768.99	3/4	3,173.89	3/4	3,578.65	3/4	3,960.11
11	362.96	11	768.14	11	1,167.50	11	1,565.80	11	1,970.07	11	2,373.21	11	2,777.43	11	3,182.33	11	3,587.06	11	3,966.30
1/4	371.40	1/4	776.57	1/4	1,175.69	1/4	1,574.20	1/4	1,978.51	1/4	2,381.60	1/4	2,785.86	1/4	3,190.76	1/4	3,595.47	1/4	3,972.50
1/2	379.85	1/2	785.01	1/2	1,183.87	1/2	1,582.59	1/2	1,986.95	1/2	2,389.98	1/2	2,794.30	1/2	3,199.20	1/2	3,603.89	1/2	3,978.69
3/4	388.29	3/4	793.44	3/4	1,192.05	3/4	1,590.99	3/4	1,995.39	3/4	2,398.36	3/4	2,802.73	3/4	3,207.64	3/4	3,612.30	3/4	3,984.89

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CCL 423 T"

**3 PORT
INNAGE TABLE
HERMETIC
GAUGE HEIGHT 15'-06 1/2"**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,991.09	0	4,288.56	0	4,585.60	0	4,882.48	0	5,178.10	0		0		0		0		0	
1/4	3,997.28	1/4	4,294.75	1/4	4,591.78	1/4	4,888.66	1/4	5,184.23	1/4		1/4		1/4		1/4		1/4	
1/2	4,003.48	1/2	4,300.95	1/2	4,597.97	1/2	4,894.85	1/2	5,190.36	1/2		1/2		1/2		1/2		1/2	
3/4	4,009.68	3/4	4,307.15	3/4	4,604.15	3/4	4,901.03	3/4	5,196.49	3/4		3/4		3/4		3/4		3/4	
1	4,015.88	1	4,313.35	1	4,610.34	1	4,907.22	1	5,202.62	1		1		1		1		1	
1/4	4,022.07	1/4	4,319.54	1/4	4,616.52	1/4	4,913.40	1/4	5,208.75	1/4		1/4		1/4		1/4		1/4	
1/2	4,028.27	1/2	4,325.74	1/2	4,622.71	1/2	4,919.59	1/2	5,214.88	1/2		1/2		1/2		1/2		1/2	
3/4	4,034.47	3/4	4,331.94	3/4	4,628.89	3/4	4,925.77	3/4	5,221.01	3/4		3/4		3/4		3/4		3/4	
2	4,040.67	2	4,338.14	2	4,635.08	2	4,931.96	2	5,227.14	2		2		2		2		2	
1/4	4,046.86	1/4	4,344.33	1/4	4,641.26	1/4	4,938.14	1/4	5,233.14	1/4		1/4		1/4		1/4		1/4	
1/2	4,053.06	1/2	4,350.53	1/2	4,647.45	1/2	4,944.33	1/2	5,239.13	1/2		1/2		1/2		1/2		1/2	
3/4	4,059.26	3/4	4,356.73	3/4	4,653.63	3/4	4,950.51	3/4	5,245.13	3/4		3/4		3/4		3/4		3/4	
3	4,065.45	3	4,362.92	3	4,659.82	3	4,956.70	3	5,251.13	3		3		3		3		3	
1/4	4,071.65	1/4	4,369.11	1/4	4,666.00	1/4	4,962.88	1/4	5,256.16	1/4		1/4		1/4		1/4		1/4	
1/2	4,077.85	1/2	4,375.30	1/2	4,672.19	1/2	4,969.07	1/2	5,261.19	1/2		1/2		1/2		1/2		1/2	
3/4	4,084.05	3/4	4,381.49	3/4	4,678.37	3/4	4,975.25	3/4	5,266.21	3/4		3/4		3/4		3/4		3/4	
4	4,090.24	4	4,387.68	4	4,684.56	4	4,981.44	4	5,271.24	4		4		4		4		4	
1/4	4,096.44	1/4	4,393.86	1/4	4,690.74	1/4	4,987.62	1/4	5,274.91	1/4		1/4		1/4		1/4		1/4	
1/2	4,102.64	1/2	4,400.05	1/2	4,696.93	1/2	4,993.81	1/2	5,278.57	1/2		1/2		1/2		1/2		1/2	
3/4	4,108.84	3/4	4,406.23	3/4	4,703.11	3/4	4,999.99	3/4	5,282.23	3/4		3/4		3/4		3/4		3/4	
5	4,115.03	5	4,412.42	5	4,709.30	5	5,006.18	5	5,285.90	5		5		5		5		5	
1/4	4,121.23	1/4	4,418.60	1/4	4,715.48	1/4	5,012.36	1/4	5,289.85	1/4		1/4		1/4		1/4		1/4	
1/2	4,127.43	1/2	4,424.79	1/2	4,721.67	1/2	5,018.55	1/2	5,293.79	1/2		1/2		1/2		1/2		1/2	
3/4	4,133.62	3/4	4,430.97	3/4	4,727.85	3/4	5,024.73	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,139.82	6	4,437.16	6	4,734.04	6	5,030.92	6		6		6		6		6		6	
1/4	4,146.02	1/4	4,443.34	1/4	4,740.22	1/4	5,037.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,152.22	1/2	4,449.53	1/2	4,746.41	1/2	5,043.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,158.41	3/4	4,455.71	3/4	4,752.59	3/4	5,049.35	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,164.61	7	4,461.90	7	4,758.78	7	5,055.50	7		7		7		7		7		7	
1/4	4,170.81	1/4	4,468.08	1/4	4,764.96	1/4	5,061.63	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,177.01	1/2	4,474.27	1/2	4,771.15	1/2	5,067.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,183.20	3/4	4,480.45	3/4	4,777.33	3/4	5,073.89	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,189.40	8	4,486.64	8	4,783.52	8	5,080.02	8		8		8		8		8		8	
1/4	4,195.60	1/4	4,492.82	1/4	4,789.70	1/4	5,086.15	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,201.80	1/2	4,499.01	1/2	4,795.89	1/2	5,092.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,207.99	3/4	4,505.19	3/4	4,802.07	3/4	5,098.41	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,214.19	9	4,511.38	9	4,808.26	9	5,104.54	9		9		9		9		9		9	
1/4	4,220.39	1/4	4,517.56	1/4	4,814.44	1/4	5,110.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,226.58	1/2	4,523.75	1/2	4,820.63	1/2	5,116.80	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,232.78	3/4	4,529.93	3/4	4,826.81	3/4	5,122.93	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,238.98	10	4,536.12	10	4,833.00	10	5,129.06	10		10		10		10		10		10	
1/4	4,245.18	1/4	4,542.30	1/4	4,839.18	1/4	5,135.19	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,251.37	1/2	4,548.49	1/2	4,845.37	1/2	5,141.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,257.57	3/4	4,554.67	3/4	4,851.55	3/4	5,147.45	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,263.77	11	4,560.86	11	4,857.74	11	5,153.58	11		11		11		11		11		11	
1/4	4,269.97	1/4	4,567.04	1/4	4,863.92	1/4	5,159.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,276.16	1/2	4,573.23	1/2	4,870.11	1/2	5,165.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,282.36	3/4	4,579.41	3/4	4,876.29	3/4	5,171.97	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CCL 423 T"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0	14.15	0	395.37	0	799.31	0	1,203.26	0	1,605.98	0	2,009.26	0	2,413.15	0	2,816.73	0	3,220.31	0	3,623.62
1/4	18.89	1/4	403.79	1/4	807.73	1/4	1,211.67	1/4	1,614.35	1/4	2,017.68	1/4	2,421.56	1/4	2,825.14	1/4	3,228.72	1/4	3,632.01
1/2	23.63	1/2	412.20	1/2	816.14	1/2	1,220.09	1/2	1,622.72	1/2	2,029.09	1/2	2,429.96	1/2	2,833.55	1/2	3,237.13	1/2	3,640.39
3/4	28.37	3/4	420.62	3/4	824.56	3/4	1,228.50	3/4	1,631.10	3/4	2,034.51	3/4	2,438.37	3/4	2,841.96	3/4	3,245.53	3/4	3,648.77
1	33.11	1	429.03	1	832.98	1	1,236.92	1	1,639.47	1	2,042.92	1	2,446.78	1	2,850.36	1	3,253.94	1	3,657.16
1/4	39.96	1/4	437.45	1/4	841.39	1/4	1,245.34	1/4	1,647.84	1/4	2,051.34	1/4	2,455.19	1/4	2,858.77	1/4	3,262.35	1/4	3,665.54
1/2	46.80	1/2	445.86	1/2	849.81	1/2	1,253.75	1/2	1,656.21	1/2	2,059.75	1/2	2,463.60	1/2	2,867.18	1/2	3,270.76	1/2	3,673.92
3/4	53.64	3/4	454.28	3/4	858.22	3/4	1,262.17	3/4	1,664.58	3/4	2,068.16	3/4	2,472.01	3/4	2,875.59	3/4	3,279.17	3/4	3,682.31
2	60.48	2	462.69	2	866.64	2	1,270.58	2	1,672.95	2	2,076.58	2	2,480.42	2	2,883.99	2	3,287.57	2	3,690.69
1/4	68.57	1/4	471.11	1/4	875.05	1/4	1,279.00	1/4	1,681.33	1/4	2,084.99	1/4	2,488.82	1/4	2,892.40	1/4	3,295.98	1/4	3,699.07
1/2	76.65	1/2	479.52	1/2	883.47	1/2	1,287.41	1/2	1,689.72	1/2	2,093.41	1/2	2,497.23	1/2	2,900.81	1/2	3,304.39	1/2	3,707.46
3/4	84.73	3/4	487.94	3/4	891.88	3/4	1,295.83	3/4	1,698.10	3/4	2,101.82	3/4	2,505.64	3/4	2,909.22	3/4	3,312.80	3/4	3,715.84
3	92.82	3	496.36	3	900.30	3	1,304.24	3	1,706.48	3	2,110.23	3	2,514.05	3	2,917.63	3	3,321.21	3	3,724.23
1/4	101.17	1/4	504.77	1/4	908.72	1/4	1,312.66	1/4	1,714.87	1/4	2,118.65	1/4	2,522.45	1/4	2,926.03	1/4	3,329.61	1/4	3,732.61
1/2	109.53	1/2	513.19	1/2	917.13	1/2	1,321.07	1/2	1,723.26	1/2	2,127.06	1/2	2,530.86	1/2	2,934.44	1/2	3,338.02	1/2	3,740.99
3/4	117.89	3/4	521.60	3/4	925.55	3/4	1,329.49	3/4	1,731.65	3/4	2,135.48	3/4	2,539.27	3/4	2,942.85	3/4	3,346.43	3/4	3,749.38
4	126.24	4	530.02	4	933.96	4	1,337.91	4	1,740.04	4	2,143.89	4	2,547.68	4	2,951.26	4	3,354.84	4	3,757.76
1/4	134.63	1/4	538.43	1/4	942.38	1/4	1,346.30	1/4	1,748.44	1/4	2,152.31	1/4	2,556.09	1/4	2,959.67	1/4	3,363.24	1/4	3,766.14
1/2	143.02	1/2	546.85	1/2	950.79	1/2	1,354.70	1/2	1,756.85	1/2	2,160.72	1/2	2,564.49	1/2	2,968.07	1/2	3,371.65	1/2	3,774.53
3/4	151.41	3/4	555.26	3/4	959.21	3/4	1,363.09	3/4	1,765.26	3/4	2,169.13	3/4	2,572.90	3/4	2,976.48	3/4	3,380.06	3/4	3,782.91
5	159.80	5	563.68	5	967.62	5	1,371.49	5	1,773.67	5	2,177.55	5	2,581.31	5	2,984.89	5	3,388.47	5	3,791.29
1/4	168.20	1/4	572.10	1/4	976.04	1/4	1,379.88	1/4	1,782.08	1/4	2,185.96	1/4	2,589.72	1/4	2,993.30	1/4	3,396.88	1/4	3,799.68
1/2	176.61	1/2	580.51	1/2	984.45	1/2	1,388.27	1/2	1,790.50	1/2	2,194.38	1/2	2,598.13	1/2	3,001.71	1/2	3,405.28	1/2	3,808.06
3/4	185.02	3/4	588.93	3/4	992.87	3/4	1,396.65	3/4	1,798.91	3/4	2,202.79	3/4	2,606.53	3/4	3,010.11	3/4	3,413.69	3/4	3,816.45
6	193.43	6	597.34	6	1,001.29	6	1,405.04	6	1,807.32	6	2,211.21	6	2,614.94	6	3,018.52	6	3,422.10	6	3,824.83
1/4	201.84	1/4	605.76	1/4	1,009.70	1/4	1,413.42	1/4	1,815.74	1/4	2,219.62	1/4	2,623.35	1/4	3,026.93	1/4	3,430.51	1/4	3,833.22
1/2	210.25	1/2	614.17	1/2	1,018.12	1/2	1,421.80	1/2	1,824.15	1/2	2,228.03	1/2	2,631.76	1/2	3,035.34	1/2	3,438.92	1/2	3,841.62
3/4	218.66	3/4	622.59	3/4	1,026.53	3/4	1,430.17	3/4	1,832.57	3/4	2,236.45	3/4	2,640.17	3/4	3,043.74	3/4	3,447.32	3/4	3,850.01
7	227.07	7	631.00	7	1,034.95	7	1,438.55	7	1,840.98	7	2,244.86	7	2,648.57	7	3,052.15	7	3,455.73	7	3,858.40
1/4	235.48	1/4	639.42	1/4	1,043.36	1/4	1,446.92	1/4	1,849.39	1/4	2,253.28	1/4	2,656.98	1/4	3,060.56	1/4	3,464.14	1/4	3,866.80
1/2	243.90	1/2	647.83	1/2	1,051.78	1/2	1,455.29	1/2	1,857.81	1/2	2,261.69	1/2	2,665.39	1/2	3,068.97	1/2	3,472.55	1/2	3,875.20
3/4	252.31	3/4	656.25	3/4	1,060.19	3/4	1,463.67	3/4	1,866.22	3/4	2,270.10	3/4	2,673.80	3/4	3,077.38	3/4	3,480.96	3/4	3,883.59
8	260.72	8	664.67	8	1,068.61	8	1,472.04	8	1,874.64	8	2,278.52	8	2,682.20	8	3,085.78	8	3,489.36	8	3,891.99
1/4	269.14	1/4	673.08	1/4	1,077.03	1/4	1,480.41	1/4	1,883.05	1/4	2,286.93	1/4	2,690.61	1/4	3,094.19	1/4	3,497.77	1/4	3,898.69
1/2	277.55	1/2	681.50	1/2	1,085.44	1/2	1,488.78	1/2	1,891.47	1/2	2,295.35	1/2	2,699.02	1/2	3,102.60	1/2	3,506.18	1/2	3,905.40
3/4	285.97	3/4	689.91	3/4	1,093.86	3/4	1,497.16	3/4	1,899.88	3/4	2,303.76	3/4	2,707.43	3/4	3,111.01	3/4	3,514.59	3/4	3,912.10
9	294.38	9	698.33	9	1,102.27	9	1,505.53	9	1,908.29	9	2,312.18	9	2,715.84	9	3,119.42	9	3,522.99	9	3,918.80
1/4	302.80	1/4	706.74	1/4	1,110.69	1/4	1,513.90	1/4	1,916.71	1/4	2,320.59	1/4	2,724.24	1/4	3,127.82	1/4	3,531.38	1/4	3,924.94
1/2	311.21	1/2	715.16	1/2	1,119.10	1/2	1,522.27	1/2	1,925.12	1/2	2,329.00	1/2	2,732.65	1/2	3,136.23	1/2	3,539.77	1/2	3,931.08
3/4	319.63	3/4	723.57	3/4	1,127.52	3/4	1,530.64	3/4	1,933.54	3/4	2,337.42	3/4	2,741.06	3/4	3,144.64	3/4	3,548.16	3/4	3,937.21
10	328.05	10	731.99	10	1,135.93	10	1,539.02	10	1,941.95	10	2,345.83	10	2,749.47	10	3,153.05	10	3,556.55	10	3,943.35
1/4	336.46	1/4	740.41	1/4	1,144.35	1/4	1,547.39	1/4	1,950.37	1/4	2,354.25	1/4	2,757.88	1/4	3,161.46	1/4	3,564.94	1/4	3,949.51
1/2	344.88	1/2	748.82	1/2	1,152.76	1/2	1,555.76	1/2	1,958.78	1/2	2,362.66	1/2	2,766.28	1/2	3,169.86	1/2	3,573.32	1/2	3,955.67
3/4	353.29	3/4	757.24	3/4	1,161.18	3/4	1,564.13	3/4	1,967.19	3/4	2,371.08	3/4	2,774.69	3/4	3,178.27	3/4	3,581.70	3/4	3,961.83
11	361.71	11	765.65	11	1,169.60	11	1,572.50	11	1,975.61	11	2,379.49	11	2,783.10	11	3,186.68	11	3,590.09	11	3,967.99
1/4	370.12	1/4	774.07	1/4	1,178.01	1/4	1,580.87	1/4	1,984.02	1/4	2,387.90	1/4	2,791.51	1/4	3,195.09	1/4	3,598.47	1/4	3,974.16
1/2	378.54	1/2	782.48	1/2	1,186.43	1/2	1,589.24	1/2	1,992.44	1/2	2,396.32	1/2	2,799.92	1/2	3,203.49	1/2	3,606.86	1/2	3,980.33
3/4	386.95	3/4	790.90	3/4	1,194.84	3/4	1,597.61	3/4	2,000.85	3/4	2,404.73	3/4	2,808.32	3/4	3,211.90	3/4	3,615.24	3/4	3,986.50

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CCL 423 T"

3 STBD

INNAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,992.67	0	4,288.74	0	4,584.38	0	4,879.87	0	5,174.09	0		0		0		0		0	
1/4	3,998.83	1/4	4,294.91	1/4	4,590.54	1/4	4,886.02	1/4	5,180.19	1/4		1/4		1/4		1/4		1/4	
1/2	4,005.00	1/2	4,301.08	1/2	4,596.70	1/2	4,892.18	1/2	5,186.29	1/2		1/2		1/2		1/2		1/2	
3/4	4,011.17	3/4	4,307.24	3/4	4,602.85	3/4	4,898.34	3/4	5,192.39	3/4		3/4		3/4		3/4		3/4	
1	4,017.34	1	4,313.41	1	4,609.01	1	4,904.49	1	5,198.50	1		1		1		1		1	
1/4	4,023.51	1/4	4,319.58	1/4	4,615.16	1/4	4,910.65	1/4	5,204.60	1/4		1/4		1/4		1/4		1/4	
1/2	4,029.68	1/2	4,325.75	1/2	4,621.32	1/2	4,916.80	1/2	5,210.70	1/2		1/2		1/2		1/2		1/2	
3/4	4,035.84	3/4	4,331.92	3/4	4,627.48	3/4	4,922.96	3/4	5,216.80	3/4		3/4		3/4		3/4		3/4	
2	4,042.01	2	4,338.09	2	4,633.63	2	4,929.12	2	5,222.90	2		2		2		2		2	
1/4	4,048.18	1/4	4,344.25	1/4	4,639.79	1/4	4,935.27	1/4	5,228.87	1/4		1/4		1/4		1/4		1/4	
1/2	4,054.35	1/2	4,350.42	1/2	4,645.94	1/2	4,941.43	1/2	5,234.84	1/2		1/2		1/2		1/2		1/2	
3/4	4,060.52	3/4	4,356.59	3/4	4,652.10	3/4	4,947.58	3/4	5,240.81	3/4		3/4		3/4		3/4		3/4	
3	4,066.68	3	4,362.76	3	4,658.26	3	4,953.74	3	5,246.78	3		3		3		3		3	
1/4	4,072.85	1/4	4,368.92	1/4	4,664.41	1/4	4,959.89	1/4	5,251.79	1/4		1/4		1/4		1/4		1/4	
1/2	4,079.02	1/2	4,375.08	1/2	4,670.57	1/2	4,966.05	1/2	5,256.79	1/2		1/2		1/2		1/2		1/2	
3/4	4,085.19	3/4	4,381.24	3/4	4,676.72	3/4	4,972.21	3/4	5,261.79	3/4		3/4		3/4		3/4		3/4	
4	4,091.36	4	4,387.40	4	4,682.88	4	4,978.36	4	5,266.80	4		4		4		4		4	
1/4	4,097.53	1/4	4,393.55	1/4	4,689.04	1/4	4,984.52	1/4	5,270.44	1/4		1/4		1/4		1/4		1/4	
1/2	4,103.69	1/2	4,399.71	1/2	4,695.19	1/2	4,990.67	1/2	5,274.08	1/2		1/2		1/2		1/2		1/2	
3/4	4,109.86	3/4	4,405.86	3/4	4,701.35	3/4	4,996.83	3/4	5,277.73	3/4		3/4		3/4		3/4		3/4	
5	4,116.03	5	4,412.02	5	4,707.50	5	5,002.99	5	5,281.37	5		5		5		5		5	
1/4	4,122.20	1/4	4,418.18	1/4	4,713.66	1/4	5,009.14	1/4	5,285.30	1/4		1/4		1/4		1/4		1/4	
1/2	4,128.37	1/2	4,424.33	1/2	4,719.81	1/2	5,015.30	1/2	5,289.24	1/2		1/2		1/2		1/2		1/2	
3/4	4,134.54	3/4	4,430.49	3/4	4,725.97	3/4	5,021.45	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,140.70	6	4,436.64	6	4,732.13	6	5,027.61	6		6		6		6		6		6	
1/4	4,146.87	1/4	4,442.80	1/4	4,738.28	1/4	5,033.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,153.04	1/2	4,448.96	1/2	4,744.44	1/2	5,039.84	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,159.21	3/4	4,455.11	3/4	4,750.59	3/4	5,045.96	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,165.38	7	4,461.27	7	4,756.75	7	5,052.07	7		7		7		7		7		7	
1/4	4,171.54	1/4	4,467.42	1/4	4,762.91	1/4	5,058.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,177.71	1/2	4,473.58	1/2	4,769.06	1/2	5,064.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,183.88	3/4	4,479.73	3/4	4,775.22	3/4	5,070.37	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,190.05	8	4,485.89	8	4,781.37	8	5,076.48	8		8		8		8		8		8	
1/4	4,196.22	1/4	4,492.05	1/4	4,787.53	1/4	5,082.58	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,202.39	1/2	4,498.20	1/2	4,793.69	1/2	5,088.68	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,208.55	3/4	4,504.36	3/4	4,799.84	3/4	5,094.78	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,214.72	9	4,510.51	9	4,806.00	9	5,100.88	9		9		9		9		9		9	
1/4	4,220.89	1/4	4,516.67	1/4	4,812.15	1/4	5,106.98	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,227.06	1/2	4,522.83	1/2	4,818.31	1/2	5,113.08	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,233.23	3/4	4,528.98	3/4	4,824.47	3/4	5,119.18	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,239.39	10	4,535.14	10	4,830.62	10	5,125.28	10		10		10		10		10		10	
1/4	4,245.56	1/4	4,541.29	1/4	4,836.78	1/4	5,131.38	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,251.73	1/2	4,547.45	1/2	4,842.93	1/2	5,137.49	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,257.90	3/4	4,553.61	3/4	4,849.09	3/4	5,143.59	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,264.07	11	4,559.76	11	4,855.24	11	5,149.69	11		11		11		11		11		11	
1/4	4,270.24	1/4	4,565.92	1/4	4,861.40	1/4	5,155.79	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,276.40	1/2	4,572.07	1/2	4,867.56	1/2	5,161.89	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,282.57	3/4	4,578.23	3/4	4,873.71	3/4	5,167.99	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.omacorp.net>



BARGE "CCL 423 T"

PORT SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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.
0	75	0	1,203	0	2,334	0	3,466	0	4,598	0		0		0		0		0	
1/4	97	1/4	1,226	1/4	2,358	1/4	3,490	1/4	4,622	1/4		1/4		1/4		1/4		1/4	
1/2	120	1/2	1,250	1/2	2,381	1/2	3,513	1/2	4,645	1/2		1/2		1/2		1/2		1/2	
3/4	142	3/4	1,273	3/4	2,405	3/4	3,537	3/4	4,669	3/4		3/4		3/4		3/4		3/4	
1	165	1	1,297	1	2,429	1	3,560	1	4,692	1		1		1		1		1	
1/4	189	1/4	1,320	1/4	2,452	1/4	3,584	1/4	4,716	1/4		1/4		1/4		1/4		1/4	
1/2	212	1/2	1,344	1/2	2,476	1/2	3,608	1/2	4,739	1/2		1/2		1/2		1/2		1/2	
3/4	236	3/4	1,368	3/4	2,499	3/4	3,631	3/4	4,763	3/4		3/4		3/4		3/4		3/4	
2	259	2	1,391	2	2,523	2	3,655	2	4,787	2		2		2		2		2	
1/4	283	1/4	1,415	1/4	2,547	1/4	3,678	1/4	4,810	1/4		1/4		1/4		1/4		1/4	
1/2	307	1/2	1,438	1/2	2,570	1/2	3,702	1/2	4,834	1/2		1/2		1/2		1/2		1/2	
3/4	330	3/4	1,462	3/4	2,594	3/4	3,726	3/4	4,857	3/4		3/4		3/4		3/4		3/4	
3	354	3	1,485	3	2,617	3	3,749	3	4,881	3		3		3		3		3	
1/4	377	1/4	1,509	1/4	2,641	1/4	3,773	1/4	4,904	1/4		1/4		1/4		1/4		1/4	
1/2	401	1/2	1,533	1/2	2,664	1/2	3,796	1/2	4,928	1/2		1/2		1/2		1/2		1/2	
3/4	424	3/4	1,556	3/4	2,688	3/4	3,820	3/4	4,952	3/4		3/4		3/4		3/4		3/4	
4	448	4	1,580	4	2,712	4	3,843	4	4,975	4		4		4		4		4	
1/4	472	1/4	1,603	1/4	2,735	1/4	3,867	1/4	4,999	1/4		1/4		1/4		1/4		1/4	
1/2	495	1/2	1,627	1/2	2,759	1/2	3,891	1/2	5,022	1/2		1/2		1/2		1/2		1/2	
3/4	519	3/4	1,651	3/4	2,782	3/4	3,914	3/4	5,046	3/4		3/4		3/4		3/4		3/4	
5	542	5	1,674	5	2,806	5	3,938	5	5,070	5		5		5		5		5	
1/4	566	1/4	1,698	1/4	2,830	1/4	3,961	1/4	5,093	1/4		1/4		1/4		1/4		1/4	
1/2	589	1/2	1,721	1/2	2,853	1/2	3,985	1/2	5,117	1/2		1/2		1/2		1/2		1/2	
3/4	613	3/4	1,745	3/4	2,877	3/4	4,008	3/4	5,140	3/4		3/4		3/4		3/4		3/4	
6	637	6	1,768	6	2,900	6	4,032	6	5,164	6		6		6		6		6	
1/4	660	1/4	1,792	1/4	2,924	1/4	4,056	1/4	5,187	1/4		1/4		1/4		1/4		1/4	
1/2	684	1/2	1,816	1/2	2,947	1/2	4,079	1/2	5,211	1/2		1/2		1/2		1/2		1/2	
3/4	707	3/4	1,839	3/4	2,971	3/4	4,103	3/4	5,235	3/4		3/4		3/4		3/4		3/4	
7	731	7	1,863	7	2,995	7	4,126	7	5,258	7		7		7		7		7	
1/4	755	1/4	1,886	1/4	3,018	1/4	4,150	1/4	5,294	1/4		1/4		1/4		1/4		1/4	
1/2	778	1/2	1,910	1/2	3,042	1/2	4,174	1/2	5,329	1/2		1/2		1/2		1/2		1/2	
3/4	802	3/4	1,933	3/4	3,065	3/4	4,197	3/4	5,364	3/4		3/4		3/4		3/4		3/4	
8	825	8	1,957	8	3,089	8	4,221	8	5,400	8		8		8		8		8	
1/4	849	1/4	1,981	1/4	3,112	1/4	4,244	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	872	1/2	2,004	1/2	3,136	1/2	4,268	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	896	3/4	2,028	3/4	3,160	3/4	4,291	3/4		3/4		3/4		3/4		3/4		3/4	
9	920	9	2,051	9	3,183	9	4,315	9		9		9		9		9		9	
1/4	943	1/4	2,075	1/4	3,207	1/4	4,339	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	967	1/2	2,099	1/2	3,230	1/2	4,362	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	990	3/4	2,122	3/4	3,254	3/4	4,386	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,014	10	2,146	10	3,278	10	4,409	10		10		10		10		10		10	
1/4	1,037	1/4	2,169	1/4	3,301	1/4	4,433	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,061	1/2	2,193	1/2	3,325	1/2	4,456	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,085	3/4	2,216	3/4	3,348	3/4	4,480	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,108	11	2,240	11	3,372	11	4,504	11		11		11		11		11		11	
1/4	1,132	1/4	2,264	1/4	3,395	1/4	4,527	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,155	1/2	2,287	1/2	3,419	1/2	4,551	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,179	3/4	2,311	3/4	3,443	3/4	4,574	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

STRAPPED: 02/06/2026 JS
CALCULATED: 02/08/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CCL 423 T"

STBD SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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.
0	75	0	1,204	0	2,336	0	3,469	0	4,602	0		0		0		0		0	
1/4	97	1/4	1,227	1/4	2,360	1/4	3,493	1/4	4,626	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120	1/2	1,251	1/2	2,384	1/2	3,516	1/2	4,649	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	143	3/4	1,274	3/4	2,407	3/4	3,540	3/4	4,673	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	165	1	1,298	1	2,431	1	3,564	1	4,696	1		1		1		1		1	
1/4	189	1/4	1,322	1/4	2,454	1/4	3,587	1/4	4,720	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	212	1/2	1,345	1/2	2,478	1/2	3,611	1/2	4,744	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	236	3/4	1,369	3/4	2,502	3/4	3,634	3/4	4,767	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	260	2	1,392	2	2,525	2	3,658	2	4,791	2		2		2		2		2	
1/4	283	1/4	1,416	1/4	2,549	1/4	3,682	1/4	4,814	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	307	1/2	1,440	1/2	2,572	1/2	3,705	1/2	4,838	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	330	3/4	1,463	3/4	2,596	3/4	3,729	3/4	4,862	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	354	3	1,487	3	2,620	3	3,752	3	4,885	3		3		3		3		3	
1/4	378	1/4	1,510	1/4	2,643	1/4	3,776	1/4	4,909	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	401	1/2	1,534	1/2	2,667	1/2	3,800	1/2	4,932	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	425	3/4	1,558	3/4	2,690	3/4	3,823	3/4	4,956	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	448	4	1,581	4	2,714	4	3,847	4	4,980	4		4		4		4		4	
1/4	472	1/4	1,605	1/4	2,738	1/4	3,870	1/4	5,003	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	496	1/2	1,628	1/2	2,761	1/2	3,894	1/2	5,027	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	519	3/4	1,652	3/4	2,785	3/4	3,918	3/4	5,050	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	543	5	1,676	5	2,808	5	3,941	5	5,074	5		5		5		5		5	
1/4	566	1/4	1,699	1/4	2,832	1/4	3,965	1/4	5,098	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	590	1/2	1,723	1/2	2,856	1/2	3,988	1/2	5,121	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	614	3/4	1,746	3/4	2,879	3/4	4,012	3/4	5,145	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	637	6	1,770	6	2,903	6	4,036	6	5,168	6		6		6		6		6	
1/4	661	1/4	1,794	1/4	2,926	1/4	4,059	1/4	5,192	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	684	1/2	1,817	1/2	2,950	1/2	4,083	1/2	5,216	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	708	3/4	1,841	3/4	2,974	3/4	4,106	3/4	5,239	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	732	7	1,864	7	2,997	7	4,130	7	5,263	7		7		7		7		7	
1/4	755	1/4	1,888	1/4	3,021	1/4	4,154	1/4	5,288	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	779	1/2	1,912	1/2	3,044	1/2	4,177	1/2	5,334	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	802	3/4	1,935	3/4	3,068	3/4	4,201	3/4	5,369	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	826	8	1,959	8	3,092	8	4,224	8	5,404	8		8		8		8		8	
1/4	850	1/4	1,982	1/4	3,115	1/4	4,248	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	873	1/2	2,006	1/2	3,139	1/2	4,272	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	897	3/4	2,030	3/4	3,162	3/4	4,295	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	920	9	2,053	9	3,186	9	4,319	9		9		9		9		9		9	
1/4	944	1/4	2,077	1/4	3,210	1/4	4,342	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	968	1/2	2,100	1/2	3,233	1/2	4,366	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	991	3/4	2,124	3/4	3,257	3/4	4,390	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,015	10	2,148	10	3,280	10	4,413	10		10		10		10		10		10	
1/4	1,038	1/4	2,171	1/4	3,304	1/4	4,437	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,062	1/2	2,195	1/2	3,328	1/2	4,460	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,086	3/4	2,218	3/4	3,351	3/4	4,484	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,109	11	2,242	11	3,375	11	4,508	11		11		11		11		11		11	
1/4	1,133	1/4	2,266	1/4	3,398	1/4	4,531	1/4		1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,156	1/2	2,289	1/2	3,422	1/2	4,555	1/2		1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,180	3/4	2,313	3/4	3,446	3/4	4,578	3/4		3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

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ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CCL 423 T"

FUEL TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

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.
0	0	0	111	0	284	0	457	0	568	0		0		0		0		0	
1/4	1	1/4	114	1/4	288	1/4	460	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	118	1/2	291	1/2	463	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	121	3/4	295	3/4	467	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	124	1	299	1	470	1		1		1		1		1		1	
1/4	4	1/4	128	1/4	303	1/4	473	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	131	1/2	307	1/2	476	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	7	3/4	134	3/4	310	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
2	8	2	138	2	314	2	482	2		2		2		2		2		2	
1/4	10	1/4	141	1/4	318	1/4	485	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	11	1/2	145	1/2	322	1/2	488	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	13	3/4	148	3/4	325	3/4	491	3/4		3/4		3/4		3/4		3/4		3/4	
3	15	3	152	3	329	3	494	3		3		3		3		3		3	
1/4	17	1/4	155	1/4	333	1/4	497	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	19	1/2	159	1/2	336	1/2	500	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	21	3/4	162	3/4	340	3/4	503	3/4		3/4		3/4		3/4		3/4		3/4	
4	23	4	166	4	344	4	506	4		4		4		4		4		4	
1/4	25	1/4	169	1/4	348	1/4	508	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	27	1/2	173	1/2	351	1/2	511	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	29	3/4	176	3/4	355	3/4	514	3/4		3/4		3/4		3/4		3/4		3/4	
5	31	5	180	5	359	5	517	5		5		5		5		5		5	
1/4	34	1/4	184	1/4	362	1/4	519	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	36	1/2	187	1/2	366	1/2	522	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	39	3/4	191	3/4	370	3/4	524	3/4		3/4		3/4		3/4		3/4		3/4	
6	41	6	195	6	373	6	527	6		6		6		6		6		6	
1/4	44	1/4	198	1/4	377	1/4	529	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	46	1/2	202	1/2	381	1/2	532	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	49	3/4	206	3/4	384	3/4	534	3/4		3/4		3/4		3/4		3/4		3/4	
7	51	7	209	7	388	7	537	7		7		7		7		7		7	
1/4	54	1/4	213	1/4	391	1/4	539	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	57	1/2	217	1/2	395	1/2	541	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	59	3/4	220	3/4	399	3/4	543	3/4		3/4		3/4		3/4		3/4		3/4	
8	62	8	224	8	402	8	545	8		8		8		8		8		8	
1/4	65	1/4	228	1/4	406	1/4	547	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	68	1/2	231	1/2	409	1/2	549	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	71	3/4	235	3/4	413	3/4	551	3/4		3/4		3/4		3/4		3/4		3/4	
9	74	9	239	9	416	9	553	9		9		9		9		9		9	
1/4	77	1/4	243	1/4	420	1/4	555	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	80	1/2	246	1/2	423	1/2	556	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	83	3/4	250	3/4	427	3/4	558	3/4		3/4		3/4		3/4		3/4		3/4	
10	86	10	254	10	430	10	560	10		10		10		10		10		10	
1/4	89	1/4	258	1/4	434	1/4	561	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	92	1/2	261	1/2	437	1/2	562	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	95	3/4	265	3/4	440	3/4	564	3/4		3/4		3/4		3/4		3/4		3/4	
11	98	11	269	11	444	11	565	11		11		11		11		11		11	
1/4	101	1/4	273	1/4	447	1/4	566	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	105	1/2	276	1/2	450	1/2	566	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	108	3/4	280	3/4	454	3/4	567	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE IS SCALED FROM THE BOTTOM OF TANK

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BARGE "CCL 423 T"

ULLAGE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
3 PORT	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
3 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 262'-06"

February 6, 2026

PRECISION MEASUREMENT
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BARGE "CCL 423 T"

1 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0		0		0	4,761.18	0	4,407.89	0	4,054.61	0	3,700.63	0	3,346.45	0	2,992.28	0	2,638.11	0	2,283.94
1/4		1/4	5,083.90	1/4	4,753.82	1/4	4,400.53	1/4	4,047.25	1/4	3,693.25	1/4	3,339.08	1/4	2,984.90	1/4	2,630.73	1/4	2,276.56
1/2		1/2	5,080.00	1/2	4,746.46	1/2	4,393.17	1/2	4,039.89	1/2	3,685.87	1/2	3,331.70	1/2	2,977.52	1/2	2,623.35	1/2	2,269.18
3/4		3/4	5,076.10	3/4	4,739.10	3/4	4,385.81	3/4	4,032.53	3/4	3,678.49	3/4	3,324.32	3/4	2,970.15	3/4	2,615.97	3/4	2,261.80
1		1	5,070.97	1	4,731.74	1	4,378.45	1	4,025.17	1	3,671.11	1	3,316.94	1	2,962.77	1	2,608.59	1	2,254.42
1/4		1/4	5,065.84	1/4	4,724.38	1/4	4,371.09	1/4	4,017.81	1/4	3,663.73	1/4	3,309.56	1/4	2,955.39	1/4	2,601.22	1/4	2,247.04
1/2		1/2	5,060.71	1/2	4,717.02	1/2	4,363.73	1/2	4,010.45	1/2	3,656.36	1/2	3,302.18	1/2	2,948.01	1/2	2,593.84	1/2	2,239.66
3/4		3/4	5,055.58	3/4	4,709.66	3/4	4,356.37	3/4	4,003.09	3/4	3,648.98	3/4	3,294.80	3/4	2,940.63	3/4	2,586.46	3/4	2,232.29
2		2	5,049.26	2	4,702.30	2	4,349.01	2	3,995.72	2	3,641.60	2	3,287.43	2	2,933.25	2	2,579.08	2	2,224.91
1/4		1/4	5,042.94	1/4	4,694.94	1/4	4,341.65	1/4	3,988.36	1/4	3,634.22	1/4	3,280.05	1/4	2,925.87	1/4	2,571.70	1/4	2,217.53
1/2		1/2	5,036.62	1/2	4,687.58	1/2	4,334.29	1/2	3,981.00	1/2	3,626.84	1/2	3,272.67	1/2	2,918.50	1/2	2,564.32	1/2	2,210.15
3/4		3/4	5,030.30	3/4	4,680.22	3/4	4,326.93	3/4	3,973.64	3/4	3,619.46	3/4	3,265.29	3/4	2,911.12	3/4	2,556.94	3/4	2,202.77
3		3	5,023.13	3	4,672.86	3	4,319.57	3	3,966.26	3	3,612.08	3	3,257.91	3	2,903.74	3	2,549.57	3	2,195.39
1/4		1/4	5,015.96	1/4	4,665.50	1/4	4,312.21	1/4	3,958.88	1/4	3,604.71	1/4	3,250.53	1/4	2,896.36	1/4	2,542.19	1/4	2,188.01
1/2		1/2	5,008.80	1/2	4,658.14	1/2	4,304.85	1/2	3,951.50	1/2	3,597.33	1/2	3,243.15	1/2	2,888.98	1/2	2,534.81	1/2	2,180.64
3/4		3/4	5,001.63	3/4	4,650.78	3/4	4,297.49	3/4	3,944.12	3/4	3,589.95	3/4	3,235.78	3/4	2,881.60	3/4	2,527.43	3/4	2,173.26
4		4	4,994.35	4	4,643.41	4	4,290.13	4	3,936.74	4	3,582.57	4	3,228.40	4	2,874.22	4	2,520.05	4	2,165.88
1/4		1/4	4,987.07	1/4	4,636.05	1/4	4,282.77	1/4	3,929.36	1/4	3,575.19	1/4	3,221.02	1/4	2,866.85	1/4	2,512.67	1/4	2,158.50
1/2		1/2	4,979.79	1/2	4,628.69	1/2	4,275.41	1/2	3,921.99	1/2	3,567.81	1/2	3,213.64	1/2	2,859.47	1/2	2,505.29	1/2	2,151.12
3/4		3/4	4,972.51	3/4	4,621.33	3/4	4,268.05	3/4	3,914.61	3/4	3,560.43	3/4	3,206.26	3/4	2,852.09	3/4	2,497.92	3/4	2,143.74
5		5	4,965.22	5	4,613.97	5	4,260.69	5	3,907.23	5	3,553.06	5	3,198.88	5	2,844.71	5	2,490.54	5	2,136.36
1/4		1/4	4,957.94	1/4	4,606.61	1/4	4,253.33	1/4	3,899.85	1/4	3,545.68	1/4	3,191.50	1/4	2,837.33	1/4	2,483.16	1/4	2,128.99
1/2		1/2	4,950.66	1/2	4,599.25	1/2	4,245.97	1/2	3,892.47	1/2	3,538.30	1/2	3,184.13	1/2	2,829.95	1/2	2,475.78	1/2	2,121.61
3/4		3/4	4,943.38	3/4	4,591.89	3/4	4,238.61	3/4	3,885.09	3/4	3,530.92	3/4	3,176.75	3/4	2,822.57	3/4	2,468.40	3/4	2,114.23
6		6	4,936.10	6	4,584.53	6	4,231.25	6	3,877.71	6	3,523.54	6	3,169.37	6	2,815.20	6	2,461.02	6	2,106.85
1/4		1/4	4,928.81	1/4	4,577.17	1/4	4,223.89	1/4	3,870.34	1/4	3,516.16	1/4	3,161.99	1/4	2,807.82	1/4	2,453.64	1/4	2,099.47
1/2		1/2	4,921.53	1/2	4,569.81	1/2	4,216.53	1/2	3,862.96	1/2	3,508.78	1/2	3,154.61	1/2	2,800.44	1/2	2,446.27	1/2	2,092.09
3/4		3/4	4,914.25	3/4	4,562.45	3/4	4,209.17	3/4	3,855.58	3/4	3,501.41	3/4	3,147.23	3/4	2,793.06	3/4	2,438.89	3/4	2,084.71
7		7	4,906.97	7	4,555.09	7	4,201.81	7	3,848.20	7	3,494.03	7	3,139.85	7	2,785.68	7	2,431.51	7	2,077.34
1/4		1/4	4,899.69	1/4	4,547.73	1/4	4,194.45	1/4	3,840.82	1/4	3,486.65	1/4	3,132.48	1/4	2,778.30	1/4	2,424.13	1/4	2,069.96
1/2		1/2	4,892.41	1/2	4,540.37	1/2	4,187.09	1/2	3,833.44	1/2	3,479.27	1/2	3,125.10	1/2	2,770.92	1/2	2,416.75	1/2	2,062.58
3/4		3/4	4,885.12	3/4	4,533.01	3/4	4,179.73	3/4	3,826.06	3/4	3,471.89	3/4	3,117.72	3/4	2,763.55	3/4	2,409.37	3/4	2,055.20
8		8	4,877.84	8	4,525.65	8	4,172.37	8	3,818.68	8	3,464.51	8	3,110.34	8	2,756.17	8	2,401.99	8	2,047.82
1/4		1/4	4,870.56	1/4	4,518.29	1/4	4,165.01	1/4	3,811.31	1/4	3,457.13	1/4	3,102.96	1/4	2,748.79	1/4	2,394.62	1/4	2,040.44
1/2		1/2	4,863.28	1/2	4,510.93	1/2	4,157.65	1/2	3,803.93	1/2	3,449.75	1/2	3,095.58	1/2	2,741.41	1/2	2,387.24	1/2	2,033.06
3/4		3/4	4,856.00	3/4	4,503.57	3/4	4,150.29	3/4	3,796.55	3/4	3,442.38	3/4	3,088.20	3/4	2,734.03	3/4	2,379.86	3/4	2,025.69
9		9	4,848.71	9	4,496.21	9	4,142.93	9	3,789.17	9	3,435.00	9	3,080.82	9	2,726.65	9	2,372.48	9	2,018.31
1/4		1/4	4,841.43	1/4	4,488.85	1/4	4,135.57	1/4	3,781.79	1/4	3,427.62	1/4	3,073.45	1/4	2,719.27	1/4	2,365.10	1/4	2,010.93
1/2		1/2	4,834.15	1/2	4,481.49	1/2	4,128.21	1/2	3,774.41	1/2	3,420.24	1/2	3,066.07	1/2	2,711.89	1/2	2,357.72	1/2	2,003.55
3/4		3/4	4,826.87	3/4	4,474.13	3/4	4,120.85	3/4	3,767.03	3/4	3,412.86	3/4	3,058.69	3/4	2,704.52	3/4	2,350.34	3/4	1,996.17
10		10	4,819.59	10	4,466.77	10	4,113.49	10	3,759.66	10	3,405.48	10	3,051.31	10	2,697.14	10	2,342.96	10	1,988.79
1/4		1/4	4,812.31	1/4	4,459.41	1/4	4,106.13	1/4	3,752.28	1/4	3,398.10	1/4	3,043.93	1/4	2,689.76	1/4	2,335.59	1/4	1,981.41
1/2		1/2	4,805.02	1/2	4,452.05	1/2	4,098.77	1/2	3,744.90	1/2	3,390.73	1/2	3,036.55	1/2	2,682.38	1/2	2,328.21	1/2	1,974.03
3/4		3/4	4,797.74	3/4	4,444.69	3/4	4,091.41	3/4	3,737.52	3/4	3,383.35	3/4	3,029.17	3/4	2,675.00	3/4	2,320.83	3/4	1,966.66
11		11	4,790.44	11	4,437.33	11	4,084.05	11	3,730.14	11	3,375.97	11	3,021.80	11	2,667.62	11	2,313.45	11	1,959.28
1/4		1/4	4,783.14	1/4	4,429.97	1/4	4,076.69	1/4	3,722.76	1/4	3,368.59	1/4	3,014.42	1/4	2,660.24	1/4	2,306.07	1/4	1,951.90
1/2		1/2	4,775.84	1/2	4,422.61	1/2	4,069.33	1/2	3,715.38	1/2	3,361.21	1/2	3,007.04	1/2	2,652.87	1/2	2,298.69	1/2	1,944.52
3/4		3/4	4,768.54	3/4	4,415.25	3/4	4,061.97	3/4	3,708.01	3/4	3,353.83	3/4	2,999.66	3/4	2,645.49	3/4	2,291.31	3/4	1,937.14

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CCL 423 T"

1 PORT ULLAGE TABLE HERMETIC

Gauge Height 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,929.76	0	1,575.59	0	1,223.08	0	870.26	0	516.16	0	162.05	0		0		0		0	
1/4	1,922.38	1/4	1,568.21	1/4	1,215.73	1/4	862.90	1/4	508.78	1/4	154.69	1/4		1/4		1/4		1/4	
1/2	1,915.01	1/2	1,560.83	1/2	1,208.39	1/2	855.54	1/2	501.40	1/2	147.33	1/2		1/2		1/2		1/2	
3/4	1,907.63	3/4	1,553.45	3/4	1,201.04	3/4	848.18	3/4	494.02	3/4	139.97	3/4		3/4		3/4		3/4	
1	1,900.25	1	1,546.08	1	1,193.71	1	840.80	1	486.64	1	132.62	1		1		1		1	
1/4	1,892.87	1/4	1,538.71	1/4	1,186.38	1/4	833.42	1/4	479.26	1/4	125.28	1/4		1/4		1/4		1/4	
1/2	1,885.49	1/2	1,531.34	1/2	1,179.04	1/2	826.04	1/2	471.89	1/2	117.93	1/2		1/2		1/2		1/2	
3/4	1,878.11	3/4	1,523.97	3/4	1,171.71	3/4	818.67	3/4	464.51	3/4	110.59	3/4		3/4		3/4		3/4	
2	1,870.73	2	1,516.61	2	1,164.36	2	811.29	2	457.13	2	103.27	2		2		2		2	
1/4	1,863.36	1/4	1,509.26	1/4	1,157.01	1/4	803.91	1/4	449.75	1/4	95.95	1/4		1/4		1/4		1/4	
1/2	1,855.98	1/2	1,501.91	1/2	1,149.65	1/2	796.53	1/2	442.37	1/2	88.64	1/2		1/2		1/2		1/2	
3/4	1,848.60	3/4	1,494.56	3/4	1,142.30	3/4	789.15	3/4	434.99	3/4	81.32	3/4		3/4		3/4		3/4	
3	1,841.22	3	1,487.21	3	1,134.95	3	781.77	3	427.62	3	74.24	3		3		3		3	
1/4	1,833.84	1/4	1,479.86	1/4	1,127.60	1/4	774.40	1/4	420.24	1/4	67.17	1/4		1/4		1/4		1/4	
1/2	1,826.46	1/2	1,472.51	1/2	1,120.24	1/2	767.02	1/2	412.86	1/2	60.09	1/2		1/2		1/2		1/2	
3/4	1,819.08	3/4	1,465.17	3/4	1,112.89	3/4	759.64	3/4	405.48	3/4	53.01	3/4		3/4		3/4		3/4	
4	1,811.71	4	1,457.83	4	1,105.54	4	752.26	4	398.10	4	47.02	4		4		4		4	
1/4	1,804.33	1/4	1,450.49	1/4	1,098.19	1/4	744.88	1/4	390.72	1/4	41.03	1/4		1/4		1/4		1/4	
1/2	1,796.95	1/2	1,443.16	1/2	1,090.84	1/2	737.50	1/2	383.35	1/2	35.04	1/2		1/2		1/2		1/2	
3/4	1,789.57	3/4	1,435.82	3/4	1,083.48	3/4	730.13	3/4	375.97	3/4	29.05	3/4		3/4		3/4		3/4	
5	1,782.19	5	1,428.49	5	1,076.13	5	722.75	5	368.59	5	24.90	5		5		5		5	
1/4	1,774.81	1/4	1,421.15	1/4	1,068.78	1/4	715.37	1/4	361.21	1/4	20.75	1/4		1/4		1/4		1/4	
1/2	1,767.43	1/2	1,413.82	1/2	1,061.43	1/2	707.99	1/2	353.83	1/2	16.60	1/2		1/2		1/2		1/2	
3/4	1,760.06	3/4	1,406.48	3/4	1,054.07	3/4	700.61	3/4	346.46	3/4	12.45	3/4		3/4		3/4		3/4	
6	1,752.68	6	1,399.15	6	1,046.72	6	693.24	6	339.08	6		6		6		6		6	
1/4	1,745.30	1/4	1,391.81	1/4	1,039.37	1/4	685.86	1/4	331.70	1/4		1/4		1/4		1/4		1/4	
1/2	1,737.92	1/2	1,384.48	1/2	1,032.02	1/2	678.48	1/2	324.32	1/2		1/2		1/2		1/2		1/2	
3/4	1,730.54	3/4	1,377.14	3/4	1,024.66	3/4	671.10	3/4	316.94	3/4		3/4		3/4		3/4		3/4	
7	1,723.16	7	1,369.81	7	1,017.31	7	663.72	7	309.56	7		7		7		7		7	
1/4	1,715.78	1/4	1,362.47	1/4	1,009.96	1/4	656.34	1/4	302.19	1/4		1/4		1/4		1/4		1/4	
1/2	1,708.41	1/2	1,355.14	1/2	1,002.61	1/2	648.97	1/2	294.81	1/2		1/2		1/2		1/2		1/2	
3/4	1,701.03	3/4	1,347.80	3/4	995.26	3/4	641.59	3/4	287.43	3/4		3/4		3/4		3/4		3/4	
8	1,693.65	8	1,340.47	8	987.90	8	634.21	8	280.05	8		8		8		8		8	
1/4	1,686.27	1/4	1,333.13	1/4	980.55	1/4	626.83	1/4	272.67	1/4		1/4		1/4		1/4		1/4	
1/2	1,678.89	1/2	1,325.80	1/2	973.20	1/2	619.45	1/2	265.29	1/2		1/2		1/2		1/2		1/2	
3/4	1,671.51	3/4	1,318.46	3/4	965.85	3/4	612.07	3/4	257.92	3/4		3/4		3/4		3/4		3/4	
9	1,664.13	9	1,311.13	9	958.49	9	604.70	9	250.54	9		9		9		9		9	
1/4	1,656.76	1/4	1,303.79	1/4	951.14	1/4	597.32	1/4	243.16	1/4		1/4		1/4		1/4		1/4	
1/2	1,649.38	1/2	1,296.46	1/2	943.79	1/2	589.94	1/2	235.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,642.00	3/4	1,289.12	3/4	936.44	3/4	582.56	3/4	228.40	3/4		3/4		3/4		3/4		3/4	
10	1,634.62	10	1,281.79	10	929.08	10	575.18	10	221.03	10		10		10		10		10	
1/4	1,627.24	1/4	1,274.45	1/4	921.73	1/4	567.80	1/4	213.65	1/4		1/4		1/4		1/4		1/4	
1/2	1,619.86	1/2	1,267.12	1/2	914.38	1/2	560.43	1/2	206.27	1/2		1/2		1/2		1/2		1/2	
3/4	1,612.48	3/4	1,259.78	3/4	907.03	3/4	553.05	3/4	198.90	3/4		3/4		3/4		3/4		3/4	
11	1,605.10	11	1,252.44	11	899.68	11	545.67	11	191.52	11		11		11		11		11	
1/4	1,597.73	1/4	1,245.10	1/4	892.32	1/4	538.29	1/4	184.15	1/4		1/4		1/4		1/4		1/4	
1/2	1,590.35	1/2	1,237.76	1/2	884.97	1/2	530.91	1/2	176.78	1/2		1/2		1/2		1/2		1/2	
3/4	1,582.97	3/4	1,230.42	3/4	877.62	3/4	523.53	3/4	169.41	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "CCL 423 T"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0		0		0	4,775.14	0	4,420.91	0	4,066.68	0	3,711.76	0	3,356.64	0	3,001.52	0	2,646.40	0	2,291.28
1/4		1/4	5,098.73	1/4	4,767.76	1/4	4,413.53	1/4	4,059.30	1/4	3,704.36	1/4	3,349.24	1/4	2,994.12	1/4	2,639.00	1/4	2,283.89
1/2		1/2	5,094.82	1/2	4,760.38	1/2	4,406.15	1/2	4,051.92	1/2	3,696.96	1/2	3,341.84	1/2	2,986.72	1/2	2,631.61	1/2	2,276.49
3/4		3/4	5,090.91	3/4	4,753.00	3/4	4,398.77	3/4	4,044.54	3/4	3,689.56	3/4	3,334.44	3/4	2,979.33	3/4	2,624.21	3/4	2,269.09
1		1	5,085.77	1	4,745.62	1	4,391.39	1	4,037.16	1	3,682.16	1	3,327.05	1	2,971.93	1	2,616.81	1	2,261.69
1/4		1/4	5,080.62	1/4	4,738.24	1/4	4,384.01	1/4	4,029.78	1/4	3,674.77	1/4	3,319.65	1/4	2,964.53	1/4	2,609.41	1/4	2,254.29
1/2		1/2	5,075.48	1/2	4,730.86	1/2	4,376.63	1/2	4,022.40	1/2	3,667.37	1/2	3,312.25	1/2	2,957.13	1/2	2,602.01	1/2	2,246.89
3/4		3/4	5,070.33	3/4	4,723.48	3/4	4,369.25	3/4	4,015.02	3/4	3,659.97	3/4	3,304.85	3/4	2,949.73	3/4	2,594.61	3/4	2,239.50
2		2	5,064.00	2	4,716.10	2	4,361.87	2	4,007.64	2	3,652.57	2	3,297.45	2	2,942.33	2	2,587.22	2	2,232.10
1/4		1/4	5,057.66	1/4	4,708.72	1/4	4,354.49	1/4	4,000.26	1/4	3,645.17	1/4	3,290.06	1/4	2,934.94	1/4	2,579.82	1/4	2,224.70
1/2		1/2	5,051.32	1/2	4,701.34	1/2	4,347.11	1/2	3,992.88	1/2	3,637.78	1/2	3,282.66	1/2	2,927.54	1/2	2,572.42	1/2	2,217.30
3/4		3/4	5,044.98	3/4	4,693.96	3/4	4,339.73	3/4	3,985.50	3/4	3,630.38	3/4	3,275.26	3/4	2,920.14	3/4	2,565.02	3/4	2,209.90
3		3	5,037.80	3	4,686.58	3	4,332.35	3	3,978.10	3	3,622.98	3	3,267.86	3	2,912.74	3	2,557.62	3	2,202.50
1/4		1/4	5,030.61	1/4	4,679.20	1/4	4,324.97	1/4	3,970.70	1/4	3,615.58	1/4	3,260.46	1/4	2,905.34	1/4	2,550.23	1/4	2,195.11
1/2		1/2	5,023.42	1/2	4,671.82	1/2	4,317.59	1/2	3,963.30	1/2	3,608.18	1/2	3,253.06	1/2	2,897.95	1/2	2,542.83	1/2	2,187.71
3/4		3/4	5,016.24	3/4	4,664.44	3/4	4,310.21	3/4	3,955.90	3/4	3,600.78	3/4	3,245.67	3/4	2,890.55	3/4	2,535.43	3/4	2,180.31
4		4	5,008.94	4	4,657.06	4	4,302.83	4	3,948.50	4	3,593.39	4	3,238.27	4	2,883.15	4	2,528.03	4	2,172.91
1/4		1/4	5,001.64	1/4	4,649.68	1/4	4,295.45	1/4	3,941.11	1/4	3,585.99	1/4	3,230.87	1/4	2,875.75	1/4	2,520.63	1/4	2,165.51
1/2		1/2	4,994.33	1/2	4,642.30	1/2	4,288.07	1/2	3,933.71	1/2	3,578.59	1/2	3,223.47	1/2	2,868.35	1/2	2,513.23	1/2	2,158.12
3/4		3/4	4,987.03	3/4	4,634.92	3/4	4,280.69	3/4	3,926.31	3/4	3,571.19	3/4	3,216.07	3/4	2,860.95	3/4	2,505.84	3/4	2,150.72
5		5	4,979.73	5	4,627.54	5	4,273.31	5	3,918.91	5	3,563.79	5	3,208.67	5	2,853.56	5	2,498.44	5	2,143.32
1/4		1/4	4,972.43	1/4	4,620.16	1/4	4,265.93	1/4	3,911.51	1/4	3,556.39	1/4	3,201.28	1/4	2,846.16	1/4	2,491.04	1/4	2,135.92
1/2		1/2	4,965.13	1/2	4,612.78	1/2	4,258.55	1/2	3,904.11	1/2	3,549.00	1/2	3,193.88	1/2	2,838.76	1/2	2,483.64	1/2	2,128.52
3/4		3/4	4,957.83	3/4	4,605.40	3/4	4,251.17	3/4	3,896.72	3/4	3,541.60	3/4	3,186.48	3/4	2,831.36	3/4	2,476.24	3/4	2,121.12
6		6	4,950.53	6	4,598.02	6	4,243.79	6	3,889.32	6	3,534.20	6	3,179.08	6	2,823.96	6	2,468.84	6	2,113.73
1/4		1/4	4,943.22	1/4	4,590.64	1/4	4,236.41	1/4	3,881.92	1/4	3,526.80	1/4	3,171.68	1/4	2,816.56	1/4	2,461.45	1/4	2,106.33
1/2		1/2	4,935.92	1/2	4,583.26	1/2	4,229.03	1/2	3,874.52	1/2	3,519.40	1/2	3,164.28	1/2	2,809.17	1/2	2,454.05	1/2	2,098.93
3/4		3/4	4,928.62	3/4	4,575.88	3/4	4,221.65	3/4	3,867.12	3/4	3,512.00	3/4	3,156.89	3/4	2,801.77	3/4	2,446.65	3/4	2,091.53
7		7	4,921.32	7	4,568.50	7	4,214.27	7	3,859.72	7	3,504.61	7	3,149.49	7	2,794.37	7	2,439.25	7	2,084.13
1/4		1/4	4,914.02	1/4	4,561.12	1/4	4,206.89	1/4	3,852.33	1/4	3,497.21	1/4	3,142.09	1/4	2,786.97	1/4	2,431.85	1/4	2,076.73
1/2		1/2	4,906.72	1/2	4,553.74	1/2	4,199.51	1/2	3,844.93	1/2	3,489.81	1/2	3,134.69	1/2	2,779.57	1/2	2,424.45	1/2	2,069.34
3/4		3/4	4,899.42	3/4	4,546.36	3/4	4,192.13	3/4	3,837.53	3/4	3,482.41	3/4	3,127.29	3/4	2,772.17	3/4	2,417.06	3/4	2,061.94
8		8	4,892.11	8	4,538.98	8	4,184.75	8	3,830.13	8	3,475.01	8	3,119.89	8	2,764.78	8	2,409.66	8	2,054.54
1/4		1/4	4,884.81	1/4	4,531.60	1/4	4,177.37	1/4	3,822.73	1/4	3,467.61	1/4	3,112.50	1/4	2,757.38	1/4	2,402.26	1/4	2,047.14
1/2		1/2	4,877.51	1/2	4,524.22	1/2	4,169.99	1/2	3,815.33	1/2	3,460.22	1/2	3,105.10	1/2	2,749.98	1/2	2,394.86	1/2	2,039.74
3/4		3/4	4,870.21	3/4	4,516.84	3/4	4,162.61	3/4	3,807.94	3/4	3,452.82	3/4	3,097.70	3/4	2,742.58	3/4	2,387.46	3/4	2,032.34
9		9	4,862.91	9	4,509.46	9	4,155.23	9	3,800.54	9	3,445.42	9	3,090.30	9	2,735.18	9	2,380.06	9	2,024.95
1/4		1/4	4,855.61	1/4	4,502.08	1/4	4,147.85	1/4	3,793.14	1/4	3,438.02	1/4	3,082.90	1/4	2,727.78	1/4	2,372.67	1/4	2,017.55
1/2		1/2	4,848.30	1/2	4,494.70	1/2	4,140.47	1/2	3,785.74	1/2	3,430.62	1/2	3,075.50	1/2	2,720.39	1/2	2,365.27	1/2	2,010.15
3/4		3/4	4,841.00	3/4	4,487.32	3/4	4,133.09	3/4	3,778.34	3/4	3,423.22	3/4	3,068.11	3/4	2,712.99	3/4	2,357.87	3/4	2,002.75
10		10	4,833.70	10	4,479.94	10	4,125.71	10	3,770.94	10	3,415.83	10	3,060.71	10	2,705.59	10	2,350.47	10	1,995.35
1/4		1/4	4,826.40	1/4	4,472.56	1/4	4,118.33	1/4	3,763.55	1/4	3,408.43	1/4	3,053.31	1/4	2,698.19	1/4	2,343.07	1/4	1,987.95
1/2		1/2	4,819.10	1/2	4,465.18	1/2	4,110.95	1/2	3,756.15	1/2	3,401.03	1/2	3,045.91	1/2	2,690.79	1/2	2,335.67	1/2	1,980.56
3/4		3/4	4,811.80	3/4	4,457.80	3/4	4,103.57	3/4	3,748.75	3/4	3,393.63	3/4	3,038.51	3/4	2,683.39	3/4	2,328.28	3/4	1,973.16
11		11	4,804.48	11	4,450.42	11	4,096.19	11	3,741.35	11	3,386.23	11	3,031.11	11	2,676.00	11	2,320.88	11	1,965.76
1/4		1/4	4,797.16	1/4	4,443.04	1/4	4,088.81	1/4	3,733.95	1/4	3,378.83	1/4	3,023.72	1/4	2,668.60	1/4	2,313.48	1/4	1,958.36
1/2		1/2	4,789.84	1/2	4,435.67	1/2	4,081.43	1/2	3,726.55	1/2	3,371.44	1/2	3,016.32	1/2	2,661.20	1/2	2,306.08	1/2	1,950.96
3/4		3/4	4,782.52	3/4	4,428.29	3/4	4,074.05	3/4	3,719.16	3/4	3,364.04	3/4	3,008.92	3/4	2,653.80	3/4	2,298.68	3/4	1,943.56

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

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<http://www.pmacorp.net>



BARGE "CCL 423 T"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,936.17	0	1,581.05	0	1,227.59	0	872.63	0	517.53	0	162.48	0		0		0		0	
1/4	1,928.77	1/4	1,573.65	1/4	1,220.21	1/4	865.24	1/4	510.13	1/4	155.10	1/4		1/4		1/4		1/4	
1/2	1,921.37	1/2	1,566.25	1/2	1,212.84	1/2	857.84	1/2	502.73	1/2	147.72	1/2		1/2		1/2		1/2	
3/4	1,913.97	3/4	1,558.85	3/4	1,205.47	3/4	850.44	3/4	495.34	3/4	140.34	3/4		3/4		3/4		3/4	
1	1,906.57	1	1,551.46	1	1,198.09	1	843.04	1	487.94	1	132.97	1		1		1		1	
1/4	1,899.17	1/4	1,544.07	1/4	1,190.71	1/4	835.64	1/4	480.54	1/4	125.61	1/4		1/4		1/4		1/4	
1/2	1,891.78	1/2	1,536.68	1/2	1,183.33	1/2	828.25	1/2	473.14	1/2	118.24	1/2		1/2		1/2		1/2	
3/4	1,884.38	3/4	1,529.29	3/4	1,175.95	3/4	820.85	3/4	465.74	3/4	110.88	3/4		3/4		3/4		3/4	
2	1,876.98	2	1,521.91	2	1,168.55	2	813.45	2	458.35	2	103.54	2		2		2		2	
1/4	1,869.58	1/4	1,514.54	1/4	1,161.16	1/4	806.05	1/4	450.95	1/4	96.21	1/4		1/4		1/4		1/4	
1/2	1,862.18	1/2	1,507.17	1/2	1,153.76	1/2	798.65	1/2	443.55	1/2	88.87	1/2		1/2		1/2		1/2	
3/4	1,854.78	3/4	1,499.80	3/4	1,146.36	3/4	791.26	3/4	436.15	3/4	81.53	3/4		3/4		3/4		3/4	
3	1,847.39	3	1,492.43	3	1,138.96	3	783.86	3	428.75	3	74.44	3		3		3		3	
1/4	1,839.99	1/4	1,485.06	1/4	1,131.56	1/4	776.46	1/4	421.36	1/4	67.34	1/4		1/4		1/4		1/4	
1/2	1,832.59	1/2	1,477.69	1/2	1,124.17	1/2	769.06	1/2	413.96	1/2	60.25	1/2		1/2		1/2		1/2	
3/4	1,825.19	3/4	1,470.33	3/4	1,116.77	3/4	761.66	3/4	406.56	3/4	53.15	3/4		3/4		3/4		3/4	
4	1,817.79	4	1,462.97	4	1,109.37	4	754.27	4	399.16	4	47.14	4		4		4		4	
1/4	1,810.40	1/4	1,455.62	1/4	1,101.97	1/4	746.87	1/4	391.76	1/4	41.14	1/4		1/4		1/4		1/4	
1/2	1,803.00	1/2	1,448.26	1/2	1,094.57	1/2	739.47	1/2	384.37	1/2	35.13	1/2		1/2		1/2		1/2	
3/4	1,795.60	3/4	1,440.91	3/4	1,087.18	3/4	732.07	3/4	376.97	3/4	29.12	3/4		3/4		3/4		3/4	
5	1,788.20	5	1,433.55	5	1,079.78	5	724.67	5	369.57	5	24.96	5		5		5		5	
1/4	1,780.80	1/4	1,426.20	1/4	1,072.38	1/4	717.28	1/4	362.17	1/4	20.80	1/4		1/4		1/4		1/4	
1/2	1,773.40	1/2	1,418.84	1/2	1,064.98	1/2	709.88	1/2	354.77	1/2	16.64	1/2		1/2		1/2		1/2	
3/4	1,766.01	3/4	1,411.49	3/4	1,057.58	3/4	702.48	3/4	347.38	3/4	12.48	3/4		3/4		3/4		3/4	
6	1,758.61	6	1,404.13	6	1,050.19	6	695.08	6	339.98	6		6		6		6		6	
1/4	1,751.21	1/4	1,396.78	1/4	1,042.79	1/4	687.68	1/4	332.58	1/4		1/4		1/4		1/4		1/4	
1/2	1,743.81	1/2	1,389.42	1/2	1,035.39	1/2	680.29	1/2	325.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,736.41	3/4	1,382.07	3/4	1,027.99	3/4	672.89	3/4	317.78	3/4		3/4		3/4		3/4		3/4	
7	1,729.01	7	1,374.71	7	1,020.59	7	665.49	7	310.39	7		7		7		7		7	
1/4	1,721.62	1/4	1,367.36	1/4	1,013.20	1/4	658.09	1/4	302.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,714.22	1/2	1,360.00	1/2	1,005.80	1/2	650.69	1/2	295.59	1/2		1/2		1/2		1/2		1/2	
3/4	1,706.82	3/4	1,352.65	3/4	998.40	3/4	643.30	3/4	288.19	3/4		3/4		3/4		3/4		3/4	
8	1,699.42	8	1,345.30	8	991.00	8	635.90	8	280.79	8		8		8		8		8	
1/4	1,692.02	1/4	1,337.94	1/4	983.60	1/4	628.50	1/4	273.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,684.62	1/2	1,330.59	1/2	976.21	1/2	621.10	1/2	266.00	1/2		1/2		1/2		1/2		1/2	
3/4	1,677.23	3/4	1,323.23	3/4	968.81	3/4	613.70	3/4	258.60	3/4		3/4		3/4		3/4		3/4	
9	1,669.83	9	1,315.88	9	961.41	9	606.31	9	251.20	9		9		9		9		9	
1/4	1,662.43	1/4	1,308.52	1/4	954.01	1/4	598.91	1/4	243.80	1/4		1/4		1/4		1/4		1/4	
1/2	1,655.03	1/2	1,301.17	1/2	946.61	1/2	591.51	1/2	236.41	1/2		1/2		1/2		1/2		1/2	
3/4	1,647.63	3/4	1,293.81	3/4	939.22	3/4	584.11	3/4	229.01	3/4		3/4		3/4		3/4		3/4	
10	1,640.23	10	1,286.46	10	931.82	10	576.71	10	221.61	10		10		10		10		10	
1/4	1,632.84	1/4	1,279.10	1/4	924.42	1/4	569.32	1/4	214.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,625.44	1/2	1,271.75	1/2	917.02	1/2	561.92	1/2	206.82	1/2		1/2		1/2		1/2		1/2	
3/4	1,618.04	3/4	1,264.39	3/4	909.62	3/4	554.52	3/4	199.42	3/4		3/4		3/4		3/4		3/4	
11	1,610.64	11	1,257.03	11	902.23	11	547.12	11	192.03	11		11		11		11		11	
1/4	1,603.24	1/4	1,249.68	1/4	894.83	1/4	539.72	1/4	184.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,595.84	1/2	1,242.32	1/2	887.43	1/2	532.33	1/2	177.25	1/2		1/2		1/2		1/2		1/2	
3/4	1,588.45	3/4	1,234.96	3/4	880.03	3/4	524.93	3/4	169.86	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.omacorp.net>



BARGE "CCL 423 T"

2 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0		0		0	4,727.03	0	4,375.35	0	4,023.67	0	3,671.24	0	3,318.59	0	2,965.95	0	2,613.31	0	2,260.67
1/4		1/4	5,047.98	1/4	4,719.71	1/4	4,368.02	1/4	4,016.34	1/4	3,663.89	1/4	3,311.25	1/4	2,958.61	1/4	2,605.96	1/4	2,253.32
1/2		1/2	5,044.11	1/2	4,712.38	1/2	4,360.70	1/2	4,009.02	1/2	3,656.54	1/2	3,303.90	1/2	2,951.26	1/2	2,598.62	1/2	2,245.98
3/4		3/4	5,040.23	3/4	4,705.05	3/4	4,353.37	3/4	4,001.69	3/4	3,649.20	3/4	3,296.55	3/4	2,943.91	3/4	2,591.27	3/4	2,238.63
1		1	5,035.13	1	4,697.73	1	4,346.04	1	3,994.36	1	3,641.85	1	3,289.21	1	2,936.57	1	2,583.92	1	2,231.28
1/4		1/4	5,030.03	1/4	4,690.40	1/4	4,338.72	1/4	3,987.04	1/4	3,634.50	1/4	3,281.86	1/4	2,929.22	1/4	2,576.58	1/4	2,223.94
1/2		1/2	5,024.93	1/2	4,683.07	1/2	4,331.39	1/2	3,979.71	1/2	3,627.16	1/2	3,274.51	1/2	2,921.87	1/2	2,569.23	1/2	2,216.59
3/4		3/4	5,019.83	3/4	4,675.75	3/4	4,324.06	3/4	3,972.38	3/4	3,619.81	3/4	3,267.17	3/4	2,914.53	3/4	2,561.88	3/4	2,209.24
2		2	5,013.55	2	4,668.42	2	4,316.74	2	3,965.05	2	3,612.46	2	3,259.82	2	2,907.18	2	2,554.54	2	2,201.90
1/4		1/4	5,007.26	1/4	4,661.09	1/4	4,309.41	1/4	3,957.72	1/4	3,605.12	1/4	3,252.47	1/4	2,899.83	1/4	2,547.19	1/4	2,194.55
1/2		1/2	5,000.98	1/2	4,653.77	1/2	4,302.08	1/2	3,950.39	1/2	3,597.77	1/2	3,245.13	1/2	2,892.49	1/2	2,539.84	1/2	2,187.20
3/4		3/4	4,994.69	3/4	4,646.44	3/4	4,294.76	3/4	3,943.06	3/4	3,590.42	3/4	3,237.78	3/4	2,885.14	3/4	2,532.50	3/4	2,179.86
3		3	4,987.56	3	4,639.11	3	4,287.43	3	3,935.72	3	3,583.08	3	3,230.43	3	2,877.79	3	2,525.15	3	2,172.51
1/4		1/4	4,980.44	1/4	4,631.79	1/4	4,280.10	1/4	3,928.37	1/4	3,575.73	1/4	3,223.09	1/4	2,870.45	1/4	2,517.80	1/4	2,165.16
1/2		1/2	4,973.31	1/2	4,624.46	1/2	4,272.78	1/2	3,921.02	1/2	3,568.38	1/2	3,215.74	1/2	2,863.10	1/2	2,510.46	1/2	2,157.82
3/4		3/4	4,966.18	3/4	4,617.13	3/4	4,265.45	3/4	3,913.68	3/4	3,561.04	3/4	3,208.39	3/4	2,855.75	3/4	2,503.11	3/4	2,150.47
4		4	4,958.94	4	4,609.81	4	4,258.12	4	3,906.33	4	3,553.69	4	3,201.05	4	2,848.41	4	2,495.76	4	2,143.12
1/4		1/4	4,951.70	1/4	4,602.48	1/4	4,250.80	1/4	3,898.98	1/4	3,546.34	1/4	3,193.70	1/4	2,841.06	1/4	2,488.42	1/4	2,135.78
1/2		1/2	4,944.45	1/2	4,595.15	1/2	4,243.47	1/2	3,891.64	1/2	3,539.00	1/2	3,186.35	1/2	2,833.71	1/2	2,481.07	1/2	2,128.43
3/4		3/4	4,937.21	3/4	4,587.83	3/4	4,236.14	3/4	3,884.29	3/4	3,531.65	3/4	3,179.01	3/4	2,826.37	3/4	2,473.72	3/4	2,121.08
5		5	4,929.97	5	4,580.50	5	4,228.82	5	3,876.94	5	3,524.30	5	3,171.66	5	2,819.02	5	2,466.38	5	2,113.74
1/4		1/4	4,922.73	1/4	4,573.17	1/4	4,221.49	1/4	3,869.60	1/4	3,516.96	1/4	3,164.31	1/4	2,811.67	1/4	2,459.03	1/4	2,106.39
1/2		1/2	4,915.49	1/2	4,565.84	1/2	4,214.16	1/2	3,862.25	1/2	3,509.61	1/2	3,156.97	1/2	2,804.33	1/2	2,451.68	1/2	2,099.04
3/4		3/4	4,908.24	3/4	4,558.52	3/4	4,206.84	3/4	3,854.90	3/4	3,502.26	3/4	3,149.62	3/4	2,796.98	3/4	2,444.34	3/4	2,091.70
6		6	4,901.00	6	4,551.19	6	4,199.51	6	3,847.56	6	3,494.92	6	3,142.27	6	2,789.63	6	2,436.99	6	2,084.35
1/4		1/4	4,893.76	1/4	4,543.86	1/4	4,192.18	1/4	3,840.21	1/4	3,487.57	1/4	3,134.93	1/4	2,782.29	1/4	2,429.64	1/4	2,077.00
1/2		1/2	4,886.52	1/2	4,536.54	1/2	4,184.86	1/2	3,832.86	1/2	3,480.22	1/2	3,127.58	1/2	2,774.94	1/2	2,422.30	1/2	2,069.66
3/4		3/4	4,879.28	3/4	4,529.21	3/4	4,177.53	3/4	3,825.52	3/4	3,472.88	3/4	3,120.23	3/4	2,767.59	3/4	2,414.95	3/4	2,062.31
7		7	4,872.04	7	4,521.88	7	4,170.20	7	3,818.17	7	3,465.53	7	3,112.89	7	2,760.25	7	2,407.60	7	2,054.96
1/4		1/4	4,864.79	1/4	4,514.56	1/4	4,162.88	1/4	3,810.82	1/4	3,458.18	1/4	3,105.54	1/4	2,752.90	1/4	2,400.26	1/4	2,047.62
1/2		1/2	4,857.55	1/2	4,507.23	1/2	4,155.55	1/2	3,803.48	1/2	3,450.83	1/2	3,098.19	1/2	2,745.55	1/2	2,392.91	1/2	2,040.27
3/4		3/4	4,850.31	3/4	4,499.90	3/4	4,148.22	3/4	3,796.13	3/4	3,443.49	3/4	3,090.85	3/4	2,738.21	3/4	2,385.56	3/4	2,032.92
8		8	4,843.07	8	4,492.58	8	4,140.90	8	3,788.78	8	3,436.14	8	3,083.50	8	2,730.86	8	2,378.22	8	2,025.58
1/4		1/4	4,835.83	1/4	4,485.25	1/4	4,133.57	1/4	3,781.44	1/4	3,428.79	1/4	3,076.15	1/4	2,723.51	1/4	2,370.87	1/4	2,018.23
1/2		1/2	4,828.58	1/2	4,477.92	1/2	4,126.24	1/2	3,774.09	1/2	3,421.45	1/2	3,068.81	1/2	2,716.16	1/2	2,363.52	1/2	2,010.88
3/4		3/4	4,821.34	3/4	4,470.60	3/4	4,118.92	3/4	3,766.74	3/4	3,414.10	3/4	3,061.46	3/4	2,708.82	3/4	2,356.18	3/4	2,003.54
9		9	4,814.10	9	4,463.27	9	4,111.59	9	3,759.40	9	3,406.75	9	3,054.11	9	2,701.47	9	2,348.83	9	1,996.19
1/4		1/4	4,806.86	1/4	4,455.94	1/4	4,104.26	1/4	3,752.05	1/4	3,399.41	1/4	3,046.77	1/4	2,694.12	1/4	2,341.48	1/4	1,988.84
1/2		1/2	4,799.62	1/2	4,448.62	1/2	4,096.94	1/2	3,744.70	1/2	3,392.06	1/2	3,039.42	1/2	2,686.78	1/2	2,334.14	1/2	1,981.49
3/4		3/4	4,792.38	3/4	4,441.29	3/4	4,089.61	3/4	3,737.36	3/4	3,384.71	3/4	3,032.07	3/4	2,679.43	3/4	2,326.79	3/4	1,974.15
10		10	4,785.13	10	4,433.96	10	4,082.28	10	3,730.01	10	3,377.37	10	3,024.73	10	2,672.08	10	2,319.44	10	1,966.80
1/4		1/4	4,777.89	1/4	4,426.64	1/4	4,074.96	1/4	3,722.66	1/4	3,370.02	1/4	3,017.38	1/4	2,664.74	1/4	2,312.10	1/4	1,959.45
1/2		1/2	4,770.65	1/2	4,419.31	1/2	4,067.63	1/2	3,715.32	1/2	3,362.67	1/2	3,010.03	1/2	2,657.39	1/2	2,304.75	1/2	1,952.11
3/4		3/4	4,763.41	3/4	4,411.98	3/4	4,060.30	3/4	3,707.97	3/4	3,355.33	3/4	3,002.69	3/4	2,650.04	3/4	2,297.40	3/4	1,944.76
11		11	4,756.15	11	4,404.66	11	4,052.98	11	3,700.62	11	3,347.98	11	2,995.34	11	2,642.70	11	2,290.06	11	1,937.41
1/4		1/4	4,748.88	1/4	4,397.33	1/4	4,045.65	1/4	3,693.28	1/4	3,340.63	1/4	2,987.99	1/4	2,635.35	1/4	2,282.71	1/4	1,930.07
1/2		1/2	4,741.62	1/2	4,390.00	1/2	4,038.32	1/2	3,685.93	1/2	3,333.29	1/2	2,980.65	1/2	2,628.00	1/2	2,275.36	1/2	1,922.72
3/4		3/4	4,734.36	3/4	4,382.68	3/4	4,031.00	3/4	3,678.58	3/4	3,325.94	3/4	2,973.30	3/4	2,620.66	3/4	2,268.02	3/4	1,915.37

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CCL 423 T"

2 PORT ULLAGE TABLE HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,908.03	0	1,555.39	0	1,204.48	0	865.87	0	513.93	0	161.35	0		0		0		0	
1/4	1,900.68	1/4	1,548.04	1/4	1,197.23	1/4	858.75	1/4	506.58	1/4	154.02	1/4		1/4		1/4		1/4	
1/2	1,893.33	1/2	1,540.69	1/2	1,189.99	1/2	851.64	1/2	499.24	1/2	146.69	1/2		1/2		1/2		1/2	
3/4	1,885.99	3/4	1,533.35	3/4	1,182.74	3/4	844.52	3/4	491.89	3/4	139.36	3/4		3/4		3/4		3/4	
1	1,878.64	1	1,526.01	1	1,175.72	1	837.17	1	484.54	1	132.05	1		1		1		1	
1/4	1,871.29	1/4	1,518.67	1/4	1,168.70	1/4	829.82	1/4	477.20	1/4	124.74	1/4		1/4		1/4		1/4	
1/2	1,863.95	1/2	1,511.33	1/2	1,161.68	1/2	822.48	1/2	469.85	1/2	117.43	1/2		1/2		1/2		1/2	
3/4	1,856.60	3/4	1,503.99	3/4	1,154.66	3/4	815.13	3/4	462.50	3/4	110.11	3/4		3/4		3/4		3/4	
2	1,849.25	2	1,496.66	2	1,147.61	2	807.79	2	455.16	2	102.83	2		2		2		2	
1/4	1,841.91	1/4	1,489.34	1/4	1,140.57	1/4	800.44	1/4	447.81	1/4	95.54	1/4		1/4		1/4		1/4	
1/2	1,834.56	1/2	1,482.02	1/2	1,133.53	1/2	793.09	1/2	440.47	1/2	88.26	1/2		1/2		1/2		1/2	
3/4	1,827.21	3/4	1,474.70	3/4	1,126.49	3/4	785.75	3/4	433.12	3/4	80.97	3/4		3/4		3/4		3/4	
3	1,819.87	3	1,467.39	3	1,119.45	3	778.40	3	425.77	3	73.93	3		3		3		3	
1/4	1,812.52	1/4	1,460.07	1/4	1,112.41	1/4	771.05	1/4	418.43	1/4	66.88	1/4		1/4		1/4		1/4	
1/2	1,805.17	1/2	1,452.76	1/2	1,105.37	1/2	763.71	1/2	411.08	1/2	59.83	1/2		1/2		1/2		1/2	
3/4	1,797.83	3/4	1,445.44	3/4	1,098.32	3/4	756.36	3/4	403.73	3/4	52.79	3/4		3/4		3/4		3/4	
4	1,790.48	4	1,438.14	4	1,091.28	4	749.01	4	396.39	4	46.82	4		4		4		4	
1/4	1,783.13	1/4	1,430.83	1/4	1,084.24	1/4	741.67	1/4	389.04	1/4	40.86	1/4		1/4		1/4		1/4	
1/2	1,775.79	1/2	1,423.53	1/2	1,077.20	1/2	734.32	1/2	381.69	1/2	34.89	1/2		1/2		1/2		1/2	
3/4	1,768.44	3/4	1,416.23	3/4	1,070.16	3/4	726.97	3/4	374.35	3/4	28.93	3/4		3/4		3/4		3/4	
5	1,761.09	5	1,408.92	5	1,063.12	5	719.63	5	367.00	5	24.79	5		5		5		5	
1/4	1,753.75	1/4	1,401.62	1/4	1,056.07	1/4	712.28	1/4	359.65	1/4	20.66	1/4		1/4		1/4		1/4	
1/2	1,746.40	1/2	1,394.32	1/2	1,049.03	1/2	704.94	1/2	352.31	1/2	16.53	1/2		1/2		1/2		1/2	
3/4	1,739.05	3/4	1,387.01	3/4	1,041.99	3/4	697.59	3/4	344.96	3/4	12.40	3/4		3/4		3/4		3/4	
6	1,731.71	6	1,379.71	6	1,034.95	6	690.24	6	337.62	6		6		6		6		6	
1/4	1,724.36	1/4	1,372.41	1/4	1,027.91	1/4	682.90	1/4	330.27	1/4		1/4		1/4		1/4		1/4	
1/2	1,717.01	1/2	1,365.10	1/2	1,020.87	1/2	675.55	1/2	322.92	1/2		1/2		1/2		1/2		1/2	
3/4	1,709.67	3/4	1,357.80	3/4	1,013.82	3/4	668.20	3/4	315.58	3/4		3/4		3/4		3/4		3/4	
7	1,702.32	7	1,350.50	7	1,006.78	7	660.86	7	308.23	7		7		7		7		7	
1/4	1,694.97	1/4	1,343.19	1/4	999.74	1/4	653.51	1/4	300.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,687.63	1/2	1,335.89	1/2	992.70	1/2	646.16	1/2	293.54	1/2		1/2		1/2		1/2		1/2	
3/4	1,680.28	3/4	1,328.59	3/4	985.66	3/4	638.82	3/4	286.19	3/4		3/4		3/4		3/4		3/4	
8	1,672.93	8	1,321.29	8	978.62	8	631.47	8	278.84	8		8		8		8		8	
1/4	1,665.59	1/4	1,313.98	1/4	971.57	1/4	624.13	1/4	271.50	1/4		1/4		1/4		1/4		1/4	
1/2	1,658.24	1/2	1,306.68	1/2	964.53	1/2	616.78	1/2	264.15	1/2		1/2		1/2		1/2		1/2	
3/4	1,650.89	3/4	1,299.38	3/4	957.49	3/4	609.43	3/4	256.81	3/4		3/4		3/4		3/4		3/4	
9	1,643.55	9	1,292.07	9	950.45	9	602.09	9	249.46	9		9		9		9		9	
1/4	1,636.20	1/4	1,284.77	1/4	943.41	1/4	594.74	1/4	242.11	1/4		1/4		1/4		1/4		1/4	
1/2	1,628.85	1/2	1,277.47	1/2	936.37	1/2	587.39	1/2	234.77	1/2		1/2		1/2		1/2		1/2	
3/4	1,621.51	3/4	1,270.16	3/4	929.33	3/4	580.05	3/4	227.42	3/4		3/4		3/4		3/4		3/4	
10	1,614.16	10	1,262.86	10	922.28	10	572.70	10	220.07	10		10		10		10		10	
1/4	1,606.81	1/4	1,255.56	1/4	915.24	1/4	565.35	1/4	212.73	1/4		1/4		1/4		1/4		1/4	
1/2	1,599.47	1/2	1,248.25	1/2	908.20	1/2	558.01	1/2	205.39	1/2		1/2		1/2		1/2		1/2	
3/4	1,592.12	3/4	1,240.95	3/4	901.16	3/4	550.66	3/4	198.04	3/4		3/4		3/4		3/4		3/4	
11	1,584.77	11	1,233.64	11	894.12	11	543.31	11	190.70	11		11		11		11		11	
1/4	1,577.43	1/4	1,226.33	1/4	887.08	1/4	535.97	1/4	183.36	1/4		1/4		1/4		1/4		1/4	
1/2	1,570.08	1/2	1,219.03	1/2	880.03	1/2	528.62	1/2	176.02	1/2		1/2		1/2		1/2		1/2	
3/4	1,562.73	3/4	1,211.72	3/4	872.99	3/4	521.28	3/4	168.68	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.omacorp.net>



BARGE "CCL 423 T"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0		0	5,052.98	0	4,725.33	0	4,374.32	0	4,023.31	0	3,671.52	0	3,319.55	0	2,967.58	0	2,615.61	0	2,263.64
1/4		1/4	5,049.11	1/4	4,718.02	1/4	4,367.01	1/4	4,016.00	1/4	3,664.18	1/4	3,312.21	1/4	2,960.24	1/4	2,608.27	1/4	2,256.30
1/2		1/2	5,045.25	1/2	4,710.71	1/2	4,359.70	1/2	4,008.69	1/2	3,656.85	1/2	3,304.88	1/2	2,952.91	1/2	2,600.94	1/2	2,248.97
3/4		3/4	5,040.16	3/4	4,703.39	3/4	4,352.38	3/4	4,001.37	3/4	3,649.52	3/4	3,297.55	3/4	2,945.58	3/4	2,593.61	3/4	2,241.64
1		1	5,035.07	1	4,696.08	1	4,345.07	1	3,994.06	1	3,642.18	1	3,290.21	1	2,938.25	1	2,586.28	1	2,234.31
1/4		1/4	5,029.98	1/4	4,688.77	1/4	4,337.76	1/4	3,986.75	1/4	3,634.85	1/4	3,282.88	1/4	2,930.91	1/4	2,579.94	1/4	2,226.97
1/2		1/2	5,024.89	1/2	4,681.46	1/2	4,330.45	1/2	3,979.44	1/2	3,627.52	1/2	3,275.55	1/2	2,923.58	1/2	2,571.61	1/2	2,219.64
3/4		3/4	5,018.62	3/4	4,674.14	3/4	4,323.13	3/4	3,972.12	3/4	3,620.19	3/4	3,268.22	3/4	2,916.25	3/4	2,564.28	3/4	2,212.31
2		2	5,012.34	2	4,666.83	2	4,315.82	2	3,964.80	2	3,612.85	2	3,260.88	2	2,908.91	2	2,556.94	2	2,204.98
1/4		1/4	5,006.07	1/4	4,659.52	1/4	4,308.51	1/4	3,957.48	1/4	3,605.52	1/4	3,253.55	1/4	2,901.58	1/4	2,549.61	1/4	2,197.64
1/2		1/2	4,999.80	1/2	4,652.21	1/2	4,301.20	1/2	3,950.16	1/2	3,598.19	1/2	3,246.22	1/2	2,894.25	1/2	2,542.28	1/2	2,190.31
3/4		3/4	4,992.68	3/4	4,644.89	3/4	4,293.88	3/4	3,942.83	3/4	3,590.86	3/4	3,238.89	3/4	2,886.92	3/4	2,534.95	3/4	2,182.98
3		3	4,985.57	3	4,637.58	3	4,286.57	3	3,935.49	3	3,583.52	3	3,231.55	3	2,879.58	3	2,527.61	3	2,175.64
1/4		1/4	4,978.45	1/4	4,630.27	1/4	4,279.26	1/4	3,928.16	1/4	3,576.19	1/4	3,224.22	1/4	2,872.25	1/4	2,520.28	1/4	2,168.31
1/2		1/2	4,971.34	1/2	4,622.95	1/2	4,271.94	1/2	3,920.83	1/2	3,568.86	1/2	3,216.89	1/2	2,864.92	1/2	2,512.95	1/2	2,160.98
3/4		3/4	4,964.11	3/4	4,615.64	3/4	4,264.63	3/4	3,913.49	3/4	3,561.52	3/4	3,209.56	3/4	2,857.59	3/4	2,505.62	3/4	2,153.65
4		4	4,956.88	4	4,608.33	4	4,257.32	4	3,906.16	4	3,554.19	4	3,202.22	4	2,850.25	4	2,498.28	4	2,146.31
1/4		1/4	4,949.65	1/4	4,601.02	1/4	4,250.01	1/4	3,898.83	1/4	3,546.86	1/4	3,194.89	1/4	2,842.92	1/4	2,490.95	1/4	2,138.98
1/2		1/2	4,942.43	1/2	4,593.70	1/2	4,242.69	1/2	3,891.50	1/2	3,539.53	1/2	3,187.56	1/2	2,835.59	1/2	2,483.62	1/2	2,131.65
3/4		3/4	4,935.20	3/4	4,586.39	3/4	4,235.38	3/4	3,884.16	3/4	3,532.19	3/4	3,180.22	3/4	2,828.25	3/4	2,476.29	3/4	2,124.32
5		5	4,927.97	5	4,579.08	5	4,228.07	5	3,876.83	5	3,524.86	5	3,172.89	5	2,820.92	5	2,468.95	5	2,116.98
1/4		1/4	4,920.74	1/4	4,571.77	1/4	4,220.76	1/4	3,869.50	1/4	3,517.53	1/4	3,165.56	1/4	2,813.59	1/4	2,461.62	1/4	2,109.65
1/2		1/2	4,913.51	1/2	4,564.45	1/2	4,213.44	1/2	3,862.17	1/2	3,510.20	1/2	3,158.23	1/2	2,806.26	1/2	2,454.29	1/2	2,102.32
3/4		3/4	4,906.29	3/4	4,557.14	3/4	4,206.13	3/4	3,854.83	3/4	3,502.86	3/4	3,150.89	3/4	2,798.92	3/4	2,446.95	3/4	2,094.98
6		6	4,899.06	6	4,549.83	6	4,198.82	6	3,847.50	6	3,495.53	6	3,143.56	6	2,791.59	6	2,439.62	6	2,087.65
1/4		1/4	4,891.83	1/4	4,542.51	1/4	4,191.50	1/4	3,840.17	1/4	3,488.20	1/4	3,136.23	1/4	2,784.26	1/4	2,432.29	1/4	2,080.32
1/2		1/2	4,884.60	1/2	4,535.20	1/2	4,184.19	1/2	3,832.83	1/2	3,480.86	1/2	3,128.90	1/2	2,776.93	1/2	2,424.96	1/2	2,072.99
3/4		3/4	4,877.38	3/4	4,527.89	3/4	4,176.88	3/4	3,825.50	3/4	3,473.53	3/4	3,121.56	3/4	2,769.59	3/4	2,417.62	3/4	2,065.65
7		7	4,870.15	7	4,520.58	7	4,169.57	7	3,818.17	7	3,466.20	7	3,114.23	7	2,762.26	7	2,410.29	7	2,058.32
1/4		1/4	4,862.92	1/4	4,513.26	1/4	4,162.25	1/4	3,810.84	1/4	3,458.87	1/4	3,106.90	1/4	2,754.93	1/4	2,402.96	1/4	2,050.99
1/2		1/2	4,855.69	1/2	4,505.95	1/2	4,154.94	1/2	3,803.50	1/2	3,451.53	1/2	3,099.56	1/2	2,747.59	1/2	2,395.63	1/2	2,043.66
3/4		3/4	4,848.46	3/4	4,498.64	3/4	4,147.63	3/4	3,796.17	3/4	3,444.20	3/4	3,092.23	3/4	2,740.26	3/4	2,388.29	3/4	2,036.32
8		8	4,841.24	8	4,491.33	8	4,140.32	8	3,788.84	8	3,436.87	8	3,084.90	8	2,732.93	8	2,380.96	8	2,028.99
1/4		1/4	4,834.01	1/4	4,484.01	1/4	4,133.00	1/4	3,781.51	1/4	3,429.54	1/4	3,077.57	1/4	2,725.60	1/4	2,373.63	1/4	2,021.66
1/2		1/2	4,826.78	1/2	4,476.70	1/2	4,125.69	1/2	3,774.17	1/2	3,422.20	1/2	3,070.23	1/2	2,718.26	1/2	2,366.29	1/2	2,014.32
3/4		3/4	4,819.55	3/4	4,469.39	3/4	4,118.38	3/4	3,766.84	3/4	3,414.87	3/4	3,062.90	3/4	2,710.93	3/4	2,358.96	3/4	2,006.99
9		9	4,812.32	9	4,462.07	9	4,111.07	9	3,759.51	9	3,407.54	9	3,055.57	9	2,703.60	9	2,351.63	9	1,999.66
1/4		1/4	4,805.10	1/4	4,454.76	1/4	4,103.75	1/4	3,752.17	1/4	3,400.21	1/4	3,048.24	1/4	2,696.27	1/4	2,344.30	1/4	1,992.33
1/2		1/2	4,797.87	1/2	4,447.45	1/2	4,096.44	1/2	3,744.84	1/2	3,392.87	1/2	3,040.90	1/2	2,688.93	1/2	2,336.96	1/2	1,984.99
3/4		3/4	4,790.64	3/4	4,440.14	3/4	4,089.13	3/4	3,737.51	3/4	3,385.54	3/4	3,033.57	3/4	2,681.60	3/4	2,329.63	3/4	1,977.66
10		10	4,783.41	10	4,432.82	10	4,081.81	10	3,730.18	10	3,378.21	10	3,026.24	10	2,674.27	10	2,322.30	10	1,970.33
1/4		1/4	4,776.18	1/4	4,425.51	1/4	4,074.50	1/4	3,722.84	1/4	3,370.87	1/4	3,018.90	1/4	2,666.94	1/4	2,314.97	1/4	1,963.00
1/2		1/2	4,768.96	1/2	4,418.20	1/2	4,067.19	1/2	3,715.51	1/2	3,363.54	1/2	3,011.57	1/2	2,659.60	1/2	2,307.63	1/2	1,955.66
3/4		3/4	4,761.71	3/4	4,410.89	3/4	4,059.88	3/4	3,708.18	3/4	3,356.21	3/4	3,004.24	3/4	2,652.27	3/4	2,300.30	3/4	1,948.33
11		11	4,754.46	11	4,403.57	11	4,052.56	11	3,700.85	11	3,348.88	11	2,996.91	11	2,644.94	11	2,292.97	11	1,941.00
1/4		1/4	4,747.21	1/4	4,396.26	1/4	4,045.25	1/4	3,693.51	1/4	3,341.54	1/4	2,989.57	1/4	2,637.60	1/4	2,285.63	1/4	1,933.67
1/2		1/2	4,739.96	1/2	4,388.95	1/2	4,037.94	1/2	3,686.18	1/2	3,334.21	1/2	2,982.24	1/2	2,630.27	1/2	2,278.30	1/2	1,926.33
3/4		3/4	4,732.64	3/4	4,381.64	3/4	4,030.63	3/4	3,678.85	3/4	3,326.88	3/4	2,974.91	3/4	2,622.94	3/4	2,270.97	3/4	1,919.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CCL 423 T"

2 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,911.67	0	1,559.70	0	1,209.41	0	857.58	0	505.62	0	153.73	0		0		0		0	
1/4	1,904.33	1/4	1,552.36	1/4	1,202.10	1/4	850.24	1/4	498.28	1/4	146.41	1/4		1/4		1/4		1/4	
1/2	1,897.00	1/2	1,545.03	1/2	1,194.79	1/2	842.91	1/2	490.95	1/2	139.09	1/2		1/2		1/2		1/2	
3/4	1,889.67	3/4	1,537.71	3/4	1,187.48	3/4	835.58	3/4	483.62	3/4	131.80	3/4		3/4		3/4		3/4	
1	1,882.34	1	1,530.38	1	1,180.17	1	828.25	1	476.29	1	124.50	1		1		1		1	
1/4	1,875.00	1/4	1,523.05	1/4	1,172.85	1/4	820.91	1/4	468.95	1/4	117.20	1/4		1/4		1/4		1/4	
1/2	1,867.67	1/2	1,515.73	1/2	1,165.54	1/2	813.58	1/2	461.62	1/2	109.90	1/2		1/2		1/2		1/2	
3/4	1,860.34	3/4	1,508.42	3/4	1,158.21	3/4	806.25	3/4	454.29	3/4	102.63	3/4		3/4		3/4		3/4	
2	1,853.01	2	1,501.11	2	1,150.88	2	798.92	2	446.96	2	95.36	2		2		2		2	
1/4	1,845.67	1/4	1,493.81	1/4	1,143.54	1/4	791.58	1/4	439.62	1/4	88.09	1/4		1/4		1/4		1/4	
1/2	1,838.34	1/2	1,486.50	1/2	1,136.21	1/2	784.25	1/2	432.29	1/2	80.81	1/2		1/2		1/2		1/2	
3/4	1,831.01	3/4	1,479.20	3/4	1,128.88	3/4	776.92	3/4	424.96	3/4	73.78	3/4		3/4		3/4		3/4	
3	1,823.67	3	1,471.90	3	1,121.55	3	769.59	3	417.63	3	66.75	3		3		3		3	
1/4	1,816.34	1/4	1,464.59	1/4	1,114.21	1/4	762.25	1/4	410.29	1/4	59.72	1/4		1/4		1/4		1/4	
1/2	1,809.01	1/2	1,457.29	1/2	1,106.88	1/2	754.92	1/2	402.96	1/2	52.68	1/2		1/2		1/2		1/2	
3/4	1,801.68	3/4	1,450.00	3/4	1,099.55	3/4	747.59	3/4	395.63	3/4	46.73	3/4		3/4		3/4		3/4	
4	1,794.34	4	1,442.71	4	1,092.22	4	740.26	4	388.30	4	40.77	4		4		4		4	
1/4	1,787.01	1/4	1,435.42	1/4	1,084.88	1/4	732.92	1/4	380.96	1/4	34.82	1/4		1/4		1/4		1/4	
1/2	1,779.68	1/2	1,428.13	1/2	1,077.55	1/2	725.59	1/2	373.63	1/2	28.87	1/2		1/2		1/2		1/2	
3/4	1,772.35	3/4	1,420.85	3/4	1,070.22	3/4	718.26	3/4	366.30	3/4	24.74	3/4		3/4		3/4		3/4	
5	1,765.01	5	1,413.56	5	1,062.89	5	710.93	5	358.97	5	20.62	5		5		5		5	
1/4	1,757.68	1/4	1,406.27	1/4	1,055.55	1/4	703.59	1/4	351.63	1/4	16.49	1/4		1/4		1/4		1/4	
1/2	1,750.35	1/2	1,398.98	1/2	1,048.22	1/2	696.26	1/2	344.30	1/2	12.37	1/2		1/2		1/2		1/2	
3/4	1,743.02	3/4	1,391.69	3/4	1,040.89	3/4	688.93	3/4	336.97	3/4		3/4		3/4		3/4		3/4	
6	1,735.68	6	1,384.40	6	1,033.56	6	681.60	6	329.64	6		6		6		6		6	
1/4	1,728.35	1/4	1,377.11	1/4	1,026.22	1/4	674.26	1/4	322.30	1/4		1/4		1/4		1/4		1/4	
1/2	1,721.02	1/2	1,369.82	1/2	1,018.89	1/2	666.93	1/2	314.97	1/2		1/2		1/2		1/2		1/2	
3/4	1,713.68	3/4	1,362.53	3/4	1,011.56	3/4	659.60	3/4	307.64	3/4		3/4		3/4		3/4		3/4	
7	1,706.35	7	1,355.24	7	1,004.23	7	652.27	7	300.31	7		7		7		7		7	
1/4	1,699.02	1/4	1,347.95	1/4	996.89	1/4	644.93	1/4	292.97	1/4		1/4		1/4		1/4		1/4	
1/2	1,691.69	1/2	1,340.66	1/2	989.56	1/2	637.60	1/2	285.64	1/2		1/2		1/2		1/2		1/2	
3/4	1,684.35	3/4	1,333.37	3/4	982.23	3/4	630.27	3/4	278.31	3/4		3/4		3/4		3/4		3/4	
8	1,677.02	8	1,326.09	8	974.90	8	622.94	8	270.98	8		8		8		8		8	
1/4	1,669.69	1/4	1,318.80	1/4	967.56	1/4	615.60	1/4	263.64	1/4		1/4		1/4		1/4		1/4	
1/2	1,662.36	1/2	1,311.51	1/2	960.23	1/2	608.27	1/2	256.31	1/2		1/2		1/2		1/2		1/2	
3/4	1,655.02	3/4	1,304.22	3/4	952.90	3/4	600.94	3/4	248.98	3/4		3/4		3/4		3/4		3/4	
9	1,647.69	9	1,296.93	9	945.57	9	593.61	9	241.65	9		9		9		9		9	
1/4	1,640.36	1/4	1,289.64	1/4	938.23	1/4	586.27	1/4	234.31	1/4		1/4		1/4		1/4		1/4	
1/2	1,633.02	1/2	1,282.35	1/2	930.90	1/2	578.94	1/2	226.98	1/2		1/2		1/2		1/2		1/2	
3/4	1,625.69	3/4	1,275.06	3/4	923.57	3/4	571.61	3/4	219.65	3/4		3/4		3/4		3/4		3/4	
10	1,618.36	10	1,267.77	10	916.24	10	564.28	10	212.32	10		10		10		10		10	
1/4	1,611.03	1/4	1,260.48	1/4	908.90	1/4	556.94	1/4	204.99	1/4		1/4		1/4		1/4		1/4	
1/2	1,603.69	1/2	1,253.19	1/2	901.57	1/2	549.61	1/2	197.66	1/2		1/2		1/2		1/2		1/2	
3/4	1,596.36	3/4	1,245.90	3/4	894.24	3/4	542.28	3/4	190.33	3/4		3/4		3/4		3/4		3/4	
11	1,589.03	11	1,238.61	11	886.91	11	534.95	11	183.01	11		11		11		11		11	
1/4	1,581.70	1/4	1,231.31	1/4	879.57	1/4	527.61	1/4	175.68	1/4		1/4		1/4		1/4		1/4	
1/2	1,574.36	1/2	1,224.02	1/2	872.24	1/2	520.28	1/2	168.36	1/2		1/2		1/2		1/2		1/2	
3/4	1,567.03	3/4	1,216.71	3/4	864.91	3/4	512.95	3/4	161.04	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.omacorp.net>



BARGE "CCL 423 T"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 15'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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.
0		0		0	5,043.20	0	4,746.40	0	4,449.52	0	4,152.21	0	3,839.41	0	3,435.39	0	3,030.49	0	2,625.58
1/4		1/4		1/4	5,037.06	1/4	4,740.22	1/4	4,443.34	1/4	4,146.01	1/4	3,830.99	1/4	3,426.95	1/4	3,022.05	1/4	2,617.15
1/2		1/2		1/2	5,030.91	1/2	4,734.03	1/2	4,437.15	1/2	4,139.82	1/2	3,822.57	1/2	3,418.52	1/2	3,013.61	1/2	2,608.71
3/4		3/4		3/4	5,024.73	3/4	4,727.85	3/4	4,430.97	3/4	4,133.62	3/4	3,814.16	3/4	3,410.08	3/4	3,005.18	3/4	2,600.28
1		1	5,293.79	1	5,018.54	1	4,721.66	1	4,424.78	1	4,127.42	1	3,805.75	1	3,401.65	1	2,996.74	1	2,591.84
1/4		1/4	5,289.84	1/4	5,012.36	1/4	4,715.48	1/4	4,418.60	1/4	4,121.23	1/4	3,797.34	1/4	3,393.21	1/4	2,988.31	1/4	2,583.40
1/2		1/2	5,285.89	1/2	5,006.17	1/2	4,709.29	1/2	4,412.41	1/2	4,115.03	1/2	3,788.93	1/2	3,384.78	1/2	2,979.87	1/2	2,574.97
3/4		3/4	5,282.23	3/4	4,999.99	3/4	4,703.11	3/4	4,406.23	3/4	4,108.83	3/4	3,780.52	3/4	3,376.34	3/4	2,971.44	3/4	2,566.53
2		2	5,278.57	2	4,993.80	2	4,696.92	2	4,400.04	2	4,102.63	2	3,772.10	2	3,367.91	2	2,963.00	2	2,558.10
1/4		1/4	5,274.90	1/4	4,987.62	1/4	4,690.74	1/4	4,393.86	1/4	4,096.44	1/4	3,763.69	1/4	3,359.47	1/4	2,954.57	1/4	2,549.66
1/2		1/2	5,271.24	1/2	4,981.43	1/2	4,684.55	1/2	4,387.67	1/2	4,090.24	1/2	3,755.28	1/2	3,351.03	1/2	2,946.13	1/2	2,541.23
3/4		3/4	5,266.21	3/4	4,975.25	3/4	4,678.37	3/4	4,381.49	3/4	4,084.04	3/4	3,746.87	3/4	3,342.60	3/4	2,937.70	3/4	2,532.79
3		3	5,261.18	3	4,969.06	3	4,672.18	3	4,375.30	3	4,077.84	3	3,738.46	3	3,334.16	3	2,929.26	3	2,524.36
1/4		1/4	5,256.15	1/4	4,962.88	1/4	4,666.00	1/4	4,369.11	1/4	4,071.65	1/4	3,730.05	1/4	3,325.73	1/4	2,920.82	1/4	2,515.92
1/2		1/2	5,251.12	1/2	4,956.69	1/2	4,659.81	1/2	4,362.92	1/2	4,065.45	1/2	3,721.64	1/2	3,317.29	1/2	2,912.39	1/2	2,507.48
3/4		3/4	5,245.13	3/4	4,950.51	3/4	4,653.63	3/4	4,356.72	3/4	4,059.25	3/4	3,713.23	3/4	3,308.86	3/4	2,903.95	3/4	2,499.06
4		4	5,239.13	4	4,944.32	4	4,647.44	4	4,350.53	4	4,053.06	4	3,704.82	4	3,300.42	4	2,895.52	4	2,490.64
1/4		1/4	5,233.13	1/4	4,938.14	1/4	4,641.26	1/4	4,344.33	1/4	4,046.86	1/4	3,696.40	1/4	3,291.99	1/4	2,887.08	1/4	2,482.22
1/2		1/2	5,227.14	1/2	4,931.95	1/2	4,635.07	1/2	4,338.13	1/2	4,040.66	1/2	3,687.99	1/2	3,283.55	1/2	2,878.65	1/2	2,473.79
3/4		3/4	5,221.01	3/4	4,925.77	3/4	4,628.89	3/4	4,331.93	3/4	4,034.46	3/4	3,679.58	3/4	3,275.12	3/4	2,870.21	3/4	2,465.41
5		5	5,214.88	5	4,919.58	5	4,622.70	5	4,325.74	5	4,028.27	5	3,671.17	5	3,266.68	5	2,861.78	5	2,457.03
1/4		1/4	5,208.75	1/4	4,913.40	1/4	4,616.52	1/4	4,319.54	1/4	4,022.07	1/4	3,662.76	1/4	3,258.24	1/4	2,853.34	1/4	2,448.64
1/2		1/2	5,202.62	1/2	4,907.21	1/2	4,610.33	1/2	4,313.34	1/2	4,015.87	1/2	3,654.35	1/2	3,249.81	1/2	2,844.90	1/2	2,440.26
3/4		3/4	5,196.48	3/4	4,901.03	3/4	4,604.15	3/4	4,307.14	3/4	4,009.67	3/4	3,645.94	3/4	3,241.37	3/4	2,836.47	3/4	2,431.88
6		6	5,190.35	6	4,894.84	6	4,597.96	6	4,300.95	6	4,003.48	6	3,637.53	6	3,232.94	6	2,828.03	6	2,423.50
1/4		1/4	5,184.22	1/4	4,888.66	1/4	4,591.78	1/4	4,294.75	1/4	3,997.28	1/4	3,629.11	1/4	3,224.50	1/4	2,819.60	1/4	2,415.12
1/2		1/2	5,178.09	1/2	4,882.47	1/2	4,585.59	1/2	4,288.55	1/2	3,991.08	1/2	3,620.70	1/2	3,216.07	1/2	2,811.16	1/2	2,406.74
3/4		3/4	5,171.96	3/4	4,876.29	3/4	4,579.41	3/4	4,282.36	3/4	3,984.88	3/4	3,612.29	3/4	3,207.63	3/4	2,802.73	3/4	2,398.36
7		7	5,165.83	7	4,870.10	7	4,573.22	7	4,276.16	7	3,978.69	7	3,603.88	7	3,199.20	7	2,794.29	7	2,389.97
1/4		1/4	5,159.70	1/4	4,863.92	1/4	4,567.04	1/4	4,269.96	1/4	3,972.49	1/4	3,595.47	1/4	3,190.76	1/4	2,785.86	1/4	2,381.59
1/2		1/2	5,153.57	1/2	4,857.73	1/2	4,560.85	1/2	4,263.76	1/2	3,966.29	1/2	3,587.06	1/2	3,182.32	1/2	2,777.42	1/2	2,373.21
3/4		3/4	5,147.44	3/4	4,851.55	3/4	4,554.67	3/4	4,257.57	3/4	3,960.10	3/4	3,578.65	3/4	3,173.89	3/4	2,768.99	3/4	2,364.82
8		8	5,141.31	8	4,845.36	8	4,548.48	8	4,251.37	8	3,953.91	8	3,570.24	8	3,165.45	8	2,760.55	8	2,356.44
1/4		1/4	5,135.18	1/4	4,839.18	1/4	4,542.30	1/4	4,245.17	1/4	3,947.73	1/4	3,561.82	1/4	3,157.02	1/4	2,752.11	1/4	2,348.06
1/2		1/2	5,129.05	1/2	4,832.99	1/2	4,536.11	1/2	4,238.97	1/2	3,941.54	1/2	3,553.41	1/2	3,148.58	1/2	2,743.68	1/2	2,339.67
3/4		3/4	5,122.92	3/4	4,826.81	3/4	4,529.93	3/4	4,232.78	3/4	3,935.37	3/4	3,545.00	3/4	3,140.15	3/4	2,735.24	3/4	2,331.29
9		9	5,116.79	9	4,820.62	9	4,523.74	9	4,226.58	9	3,929.21	9	3,536.58	9	3,131.71	9	2,726.81	9	2,322.91
1/4		1/4	5,110.66	1/4	4,814.44	1/4	4,517.56	1/4	4,220.38	1/4	3,923.04	1/4	3,528.16	1/4	3,123.28	1/4	2,718.37	1/4	2,314.52
1/2		1/2	5,104.53	1/2	4,808.25	1/2	4,511.37	1/2	4,214.18	1/2	3,916.87	1/2	3,519.74	1/2	3,114.84	1/2	2,709.94	1/2	2,306.14
3/4		3/4	5,098.40	3/4	4,802.07	3/4	4,505.19	3/4	4,207.99	3/4	3,910.14	3/4	3,511.31	3/4	3,106.41	3/4	2,701.50	3/4	2,297.76
10		10	5,092.27	10	4,795.88	10	4,499.00	10	4,201.79	10	3,903.41	10	3,502.87	10	3,097.97	10	2,693.07	10	2,289.38
1/4		1/4	5,086.14	1/4	4,789.70	1/4	4,492.82	1/4	4,195.59	1/4	3,896.68	1/4	3,494.44	1/4	3,089.53	1/4	2,684.63	1/4	2,281.00
1/2		1/2	5,080.01	1/2	4,783.51	1/2	4,486.63	1/2	4,189.40	1/2	3,889.95	1/2	3,486.00	1/2	3,081.10	1/2	2,676.19	1/2	2,272.62
3/4		3/4	5,073.88	3/4	4,777.33	3/4	4,480.45	3/4	4,183.20	3/4	3,881.53	3/4	3,477.57	3/4	3,072.66	3/4	2,667.76	3/4	2,264.24
11		11	5,067.75	11	4,771.14	11	4,474.26	11	4,177.00	11	3,873.11	11	3,469.13	11	3,064.23	11	2,659.32	11	2,255.86
1/4		1/4	5,061.62	1/4	4,764.96	1/4	4,468.08	1/4	4,170.80	1/4	3,864.68	1/4	3,460.70	1/4	3,055.79	1/4	2,650.89	1/4	2,247.47
1/2		1/2	5,055.49	1/2	4,758.77	1/2	4,461.89	1/2	4,164.61	1/2	3,856.26	1/2	3,452.26	1/2	3,047.36	1/2	2,642.45	1/2	2,239.09
3/4		3/4	5,049.35	3/4	4,752.59	3/4	4,455.71	3/4	4,158.41	3/4	3,847.84	3/4	3,443.83	3/4	3,038.92	3/4	2,634.02	3/4	2,230.71

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CCL 423 T"

3 PORT ULLAGE TABLE HERMETIC

Gauge Height 15'-06 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,222.33	0	1,818.18	0	1,414.65	0	1,020.18	0	616.29	0	210.97	0		0		0		0	
1/4	2,213.95	1/4	1,809.74	1/4	1,406.25	1/4	1,011.98	1/4	607.85	1/4	202.53	1/4		1/4		1/4		1/4	
1/2	2,205.57	1/2	1,801.30	1/2	1,397.85	1/2	1,003.78	1/2	599.40	1/2	194.09	1/2		1/2		1/2		1/2	
3/4	2,197.19	3/4	1,792.86	3/4	1,389.49	3/4	995.49	3/4	590.96	3/4	185.65	3/4		3/4		3/4		3/4	
1	2,188.81	1	1,784.42	1	1,381.13	1	987.20	1	582.51	1	177.22	1		1		1		1	
1/4	2,180.42	1/4	1,775.98	1/4	1,372.76	1/4	978.91	1/4	574.07	1/4	168.78	1/4		1/4		1/4		1/4	
1/2	2,172.04	1/2	1,767.55	1/2	1,364.40	1/2	970.63	1/2	565.62	1/2	160.34	1/2		1/2		1/2		1/2	
3/4	2,163.65	3/4	1,759.11	3/4	1,356.19	3/4	962.18	3/4	557.18	3/4	151.93	3/4		3/4		3/4		3/4	
2	2,155.26	2	1,750.68	2	1,347.97	2	953.74	2	548.73	2	143.51	2		2		2		2	
1/4	2,146.88	1/4	1,742.25	1/4	1,339.75	1/4	945.29	1/4	540.29	1/4	135.09	1/4		1/4		1/4		1/4	
1/2	2,138.49	1/2	1,733.82	1/2	1,331.53	1/2	936.85	1/2	531.85	1/2	126.67	1/2		1/2		1/2		1/2	
3/4	2,130.10	3/4	1,725.41	3/4	1,323.30	3/4	928.40	3/4	523.40	3/4	118.29	3/4		3/4		3/4		3/4	
3	2,121.71	3	1,716.99	3	1,315.06	3	919.96	3	514.96	3	109.90	3		3		3		3	
1/4	2,113.32	1/4	1,708.58	1/4	1,306.83	1/4	911.52	1/4	506.51	1/4	101.52	1/4		1/4		1/4		1/4	
1/2	2,104.93	1/2	1,700.17	1/2	1,298.59	1/2	903.08	1/2	498.07	1/2	93.13	1/2		1/2		1/2		1/2	
3/4	2,096.53	3/4	1,691.76	3/4	1,290.37	3/4	894.64	3/4	489.62	3/4	85.02	3/4		3/4		3/4		3/4	
4	2,088.13	4	1,683.35	4	1,282.14	4	886.21	4	481.18	4	76.91	4		4		4		4	
1/4	2,079.73	1/4	1,674.94	1/4	1,273.92	1/4	877.78	1/4	472.73	1/4	68.80	1/4		1/4		1/4		1/4	
1/2	2,071.33	1/2	1,666.54	1/2	1,265.70	1/2	869.34	1/2	464.29	1/2	60.69	1/2		1/2		1/2		1/2	
3/4	2,062.89	3/4	1,658.14	3/4	1,257.51	3/4	860.91	3/4	455.84	3/4	53.82	3/4		3/4		3/4		3/4	
5	2,054.45	5	1,649.75	5	1,249.33	5	852.47	5	447.40	5	46.95	5		5		5		5	
1/4	2,046.02	1/4	1,641.35	1/4	1,241.15	1/4	844.04	1/4	438.96	1/4	40.09	1/4		1/4		1/4		1/4	
1/2	2,037.58	1/2	1,632.96	1/2	1,232.96	1/2	835.61	1/2	430.51	1/2	33.22	1/2		1/2		1/2		1/2	
3/4	2,029.14	3/4	1,624.56	3/4	1,224.78	3/4	827.17	3/4	422.07	3/4	28.46	3/4		3/4		3/4		3/4	
6	2,020.70	6	1,616.17	6	1,216.60	6	818.74	6	413.62	6	23.71	6		6		6		6	
1/4	2,012.26	1/4	1,607.77	1/4	1,208.42	1/4	810.30	1/4	405.18	1/4	18.95	1/4		1/4		1/4		1/4	
1/2	2,003.82	1/2	1,599.38	1/2	1,200.23	1/2	801.87	1/2	396.73	1/2	14.20	1/2		1/2		1/2		1/2	
3/4	1,995.38	3/4	1,590.98	3/4	1,192.05	3/4	793.44	3/4	388.29	3/4		3/4		3/4		3/4		3/4	
7	1,986.95	7	1,582.59	7	1,183.87	7	785.00	7	379.84	7		7		7		7		7	
1/4	1,978.51	1/4	1,574.19	1/4	1,175.68	1/4	776.57	1/4	371.40	1/4		1/4		1/4		1/4		1/4	
1/2	1,970.07	1/2	1,565.80	1/2	1,167.50	1/2	768.13	1/2	362.95	1/2		1/2		1/2		1/2		1/2	
3/4	1,961.63	3/4	1,557.40	3/4	1,159.32	3/4	759.70	3/4	354.51	3/4		3/4		3/4		3/4		3/4	
8	1,953.19	8	1,549.01	8	1,151.13	8	751.27	8	346.06	8		8		8		8		8	
1/4	1,944.75	1/4	1,540.61	1/4	1,142.95	1/4	742.83	1/4	337.62	1/4		1/4		1/4		1/4		1/4	
1/2	1,936.32	1/2	1,532.21	1/2	1,134.77	1/2	734.40	1/2	329.18	1/2		1/2		1/2		1/2		1/2	
3/4	1,927.88	3/4	1,523.82	3/4	1,126.58	3/4	725.96	3/4	320.73	3/4		3/4		3/4		3/4		3/4	
9	1,919.44	9	1,515.42	9	1,118.40	9	717.53	9	312.29	9		9		9		9		9	
1/4	1,911.00	1/4	1,507.03	1/4	1,110.22	1/4	709.10	1/4	303.84	1/4		1/4		1/4		1/4		1/4	
1/2	1,902.56	1/2	1,498.63	1/2	1,102.04	1/2	700.66	1/2	295.40	1/2		1/2		1/2		1/2		1/2	
3/4	1,894.12	3/4	1,490.23	3/4	1,093.85	3/4	692.23	3/4	286.95	3/4		3/4		3/4		3/4		3/4	
10	1,885.68	10	1,481.84	10	1,085.67	10	683.79	10	278.51	10		10		10		10		10	
1/4	1,877.25	1/4	1,473.44	1/4	1,077.49	1/4	675.36	1/4	270.06	1/4		1/4		1/4		1/4		1/4	
1/2	1,868.81	1/2	1,465.04	1/2	1,069.30	1/2	666.93	1/2	261.62	1/2		1/2		1/2		1/2		1/2	
3/4	1,860.37	3/4	1,456.65	3/4	1,061.12	3/4	658.49	3/4	253.18	3/4		3/4		3/4		3/4		3/4	
11	1,851.93	11	1,448.25	11	1,052.94	11	650.05	11	244.73	11		11		11		11		11	
1/4	1,843.49	1/4	1,439.85	1/4	1,044.75	1/4	641.62	1/4	236.29	1/4		1/4		1/4		1/4		1/4	
1/2	1,835.05	1/2	1,431.46	1/2	1,036.57	1/2	633.18	1/2	227.85	1/2		1/2		1/2		1/2		1/2	
3/4	1,826.61	3/4	1,423.06	3/4	1,028.37	3/4	624.74	3/4	219.41	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.omacorp.net>



BARGE "CCL 423 T"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

TABLE GIVEN IN BARKS OF 42.00 GALLONS																			
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.
0		0		0	5,021.46	0	4,725.97	0	4,430.49	0	4,134.54	0	3,816.45	0	3,413.70	0	3,010.12	0	2,606.54
1/4		1/4	5,289.24	1/4	5,015.30	1/4	4,719.82	1/4	4,424.34	1/4	4,128.37	1/4	3,808.07	1/4	3,405.29	1/4	3,001.71	1/4	2,598.13
1/2		1/2	5,285.31	1/2	5,009.15	1/2	4,713.66	1/2	4,418.18	1/2	4,122.20	1/2	3,799.68	1/2	3,396.88	1/2	2,993.30	1/2	2,589.72
3/4		3/4	5,281.37	3/4	5,002.99	3/4	4,707.51	3/4	4,412.02	3/4	4,116.03	3/4	3,791.30	3/4	3,388.47	3/4	2,984.89	3/4	2,581.31
1		1	5,277.73	1	4,996.83	1	4,701.35	1	4,405.87	1	4,109.87	1	3,782.92	1	3,380.06	1	2,976.49	1	2,572.91
1/4		1/4	5,274.09	1/4	4,990.68	1/4	4,695.20	1/4	4,399.71	1/4	4,103.70	1/4	3,774.53	1/4	3,371.66	1/4	2,968.08	1/4	2,564.50
1/2		1/2	5,270.45	1/2	4,984.52	1/2	4,689.04	1/2	4,393.56	1/2	4,097.53	1/2	3,766.15	1/2	3,363.25	1/2	2,959.67	1/2	2,556.09
3/4		3/4	5,266.80	3/4	4,978.37	3/4	4,682.88	3/4	4,387.40	3/4	4,091.36	3/4	3,757.76	3/4	3,354.84	3/4	2,951.26	3/4	2,547.68
2		2	5,261.80	2	4,972.21	2	4,676.73	2	4,381.24	2	4,085.19	2	3,749.38	2	3,346.43	2	2,942.85	2	2,539.27
1/4		1/4	5,256.79	1/4	4,966.06	1/4	4,670.57	1/4	4,375.08	1/4	4,079.03	1/4	3,741.00	1/4	3,338.03	1/4	2,934.45	1/4	2,530.87
1/2		1/2	5,251.79	1/2	4,959.90	1/2	4,664.42	1/2	4,368.92	1/2	4,072.86	1/2	3,732.61	1/2	3,329.62	1/2	2,926.04	1/2	2,522.46
3/4		3/4	5,246.79	3/4	4,953.74	3/4	4,658.26	3/4	4,362.76	3/4	4,066.69	3/4	3,724.23	3/4	3,321.21	3/4	2,917.63	3/4	2,514.05
3		3	5,240.82	3	4,947.59	3	4,652.10	3	4,356.59	3	4,060.52	3	3,715.85	3	3,312.80	3	2,909.22	3	2,505.64
1/4		1/4	5,234.84	1/4	4,941.43	1/4	4,645.95	1/4	4,350.43	1/4	4,054.35	1/4	3,707.46	1/4	3,304.39	1/4	2,900.81	1/4	2,497.24
1/2		1/2	5,228.87	1/2	4,935.28	1/2	4,639.79	1/2	4,344.26	1/2	4,048.18	1/2	3,699.08	1/2	3,295.99	1/2	2,892.41	1/2	2,488.83
3/4		3/4	5,222.90	3/4	4,929.12	3/4	4,633.64	3/4	4,338.09	3/4	4,042.02	3/4	3,690.70	3/4	3,287.58	3/4	2,884.00	3/4	2,480.42
4		4	5,216.80	4	4,922.96	4	4,627.48	4	4,331.92	4	4,035.85	4	3,682.31	4	3,279.17	4	2,875.59	4	2,472.01
1/4		1/4	5,210.70	1/4	4,916.81	1/4	4,621.32	1/4	4,325.75	1/4	4,029.68	1/4	3,673.93	1/4	3,270.76	1/4	2,867.18	1/4	2,463.60
1/2		1/2	5,204.60	1/2	4,910.65	1/2	4,615.17	1/2	4,319.59	1/2	4,023.51	1/2	3,665.54	1/2	3,262.35	1/2	2,858.78	1/2	2,455.20
3/4		3/4	5,198.50	3/4	4,904.50	3/4	4,609.01	3/4	4,313.42	3/4	4,017.34	3/4	3,657.16	3/4	3,253.95	3/4	2,850.37	3/4	2,446.79
5		5	5,192.40	5	4,898.34	5	4,602.86	5	4,307.25	5	4,011.18	5	3,648.78	5	3,245.54	5	2,841.96	5	2,438.38
1/4		1/4	5,186.30	1/4	4,892.18	1/4	4,596.70	1/4	4,301.08	1/4	4,005.01	1/4	3,640.39	1/4	3,237.13	1/4	2,833.55	1/4	2,429.97
1/2		1/2	5,180.20	1/2	4,886.03	1/2	4,590.55	1/2	4,294.91	1/2	3,998.84	1/2	3,632.01	1/2	3,228.72	1/2	2,825.14	1/2	2,421.56
3/4		3/4	5,174.10	3/4	4,879.87	3/4	4,584.39	3/4	4,288.74	3/4	3,992.67	3/4	3,623.63	3/4	3,220.31	3/4	2,816.74	3/4	2,413.15
6		6	5,167.99	6	4,873.72	6	4,578.23	6	4,282.58	6	3,986.50	6	3,615.24	6	3,211.91	6	2,808.33	6	2,404.74
1/4		1/4	5,161.89	1/4	4,867.56	1/4	4,572.08	1/4	4,276.41	1/4	3,980.33	1/4	3,606.86	1/4	3,203.50	1/4	2,799.92	1/4	2,396.32
1/2		1/2	5,155.79	1/2	4,861.40	1/2	4,565.92	1/2	4,270.24	1/2	3,974.17	1/2	3,598.48	1/2	3,195.09	1/2	2,791.51	1/2	2,387.91
3/4		3/4	5,149.69	3/4	4,855.25	3/4	4,559.77	3/4	4,264.07	3/4	3,968.00	3/4	3,590.09	3/4	3,186.68	3/4	2,783.10	3/4	2,379.49
7		7	5,143.59	7	4,849.09	7	4,553.61	7	4,257.90	7	3,961.84	7	3,581.71	7	3,178.28	7	2,774.70	7	2,371.08
1/4		1/4	5,137.49	1/4	4,842.94	1/4	4,547.45	1/4	4,251.74	1/4	3,955.68	1/4	3,573.33	1/4	3,169.87	1/4	2,766.29	1/4	2,362.67
1/2		1/2	5,131.39	1/2	4,836.78	1/2	4,541.30	1/2	4,245.57	1/2	3,949.52	1/2	3,564.94	1/2	3,161.46	1/2	2,757.88	1/2	2,354.25
3/4		3/4	5,125.29	3/4	4,830.63	3/4	4,535.14	3/4	4,239.40	3/4	3,943.36	3/4	3,556.56	3/4	3,153.05	3/4	2,749.47	3/4	2,345.84
8		8	5,119.19	8	4,824.47	8	4,528.99	8	4,233.23	8	3,937.22	8	3,548.17	8	3,144.64	8	2,741.06	8	2,337.42
1/4		1/4	5,113.09	1/4	4,818.31	1/4	4,522.83	1/4	4,227.06	1/4	3,931.08	1/4	3,539.78	1/4	3,136.24	1/4	2,732.66	1/4	2,329.01
1/2		1/2	5,106.98	1/2	4,812.16	1/2	4,516.67	1/2	4,220.89	1/2	3,924.94	1/2	3,531.39	1/2	3,127.83	1/2	2,724.25	1/2	2,320.59
3/4		3/4	5,100.88	3/4	4,806.00	3/4	4,510.52	3/4	4,214.73	3/4	3,918.80	3/4	3,523.00	3/4	3,119.42	3/4	2,715.84	3/4	2,312.18
9		9	5,094.78	9	4,799.85	9	4,504.36	9	4,208.56	9	3,912.10	9	3,514.59	9	3,111.01	9	2,707.43	9	2,303.77
1/4		1/4	5,088.68	1/4	4,793.69	1/4	4,498.21	1/4	4,202.39	1/4	3,905.40	1/4	3,506.18	1/4	3,102.60	1/4	2,699.03	1/4	2,295.35
1/2		1/2	5,082.58	1/2	4,787.53	1/2	4,492.05	1/2	4,196.22	1/2	3,898.70	1/2	3,497.78	1/2	3,094.20	1/2	2,690.62	1/2	2,286.94
3/4		3/4	5,076.48	3/4	4,781.38	3/4	4,485.89	3/4	4,190.05	3/4	3,892.00	3/4	3,489.37	3/4	3,085.79	3/4	2,682.21	3/4	2,278.52
10		10	5,070.38	10	4,775.22	10	4,479.74	10	4,183.89	10	3,883.60	10	3,480.96	10	3,077.38	10	2,673.80	10	2,270.11
1/4		1/4	5,064.28	1/4	4,769.07	1/4	4,473.58	1/4	4,177.72	1/4	3,875.20	1/4	3,472.55	1/4	3,068.97	1/4	2,665.39	1/4	2,261.69
1/2		1/2	5,058.18	1/2	4,762.91	1/2	4,467.43	1/2	4,171.55	1/2	3,866.80	1/2	3,464.14	1/2	3,060.56	1/2	2,656.99	1/2	2,253.28
3/4		3/4	5,052.08	3/4	4,756.75	3/4	4,461.27	3/4	4,165.38	3/4	3,858.41	3/4	3,455.74	3/4	3,052.16	3/4	2,648.58	3/4	2,244.87
11		11	5,045.96	11	4,750.60	11	4,455.12	11	4,159.21	11	3,850.01	11	3,447.33	11	3,043.75	11	2,640.17	11	2,236.45
1/4		1/4	5,039.84	1/4	4,744.44	1/4	4,448.96	1/4	4,153.04	1/4	3,841.62	1/4	3,438.92	1/4	3,035.34	1/4	2,631.76	1/4	2,228.04
1/2		1/2	5,033.73	1/2	4,738.29	1/2	4,442.80	1/2	4,146.88	1/2	3,833.23	1/2	3,430.51	1/2	3,026.93	1/2	2,623.35	1/2	2,219.62
3/4		3/4	5,027.61	3/4	4,732.13	3/4	4,436.65	3/4	4,140.71	3/4	3,824.83	3/4	3,422.10	3/4	3,018.53	3/4	2,614.95	3/4	2,211.21

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CCL 423 T"

3 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 15'-05 3/4"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,202.80	0	1,798.91	0	1,396.66	0	992.87	0	588.93	0	185.02	0		0		0		0	
1/4	2,194.38	1/4	1,790.50	1/4	1,388.27	1/4	984.46	1/4	580.52	1/4	176.61	1/4		1/4		1/4		1/4	
1/2	2,185.97	1/2	1,782.09	1/2	1,379.88	1/2	976.04	1/2	572.10	1/2	168.21	1/2		1/2		1/2		1/2	
3/4	2,177.55	3/4	1,773.67	3/4	1,371.49	3/4	967.63	3/4	563.68	3/4	159.80	3/4		3/4		3/4		3/4	
1	2,169.14	1	1,765.26	1	1,363.10	1	959.21	1	555.27	1	151.41	1		1		1		1	
1/4	2,160.72	1/4	1,756.86	1/4	1,354.70	1/4	950.80	1/4	546.85	1/4	143.02	1/4		1/4		1/4		1/4	
1/2	2,152.31	1/2	1,748.45	1/2	1,346.31	1/2	942.38	1/2	538.44	1/2	134.64	1/2		1/2		1/2		1/2	
3/4	2,143.90	3/4	1,740.04	3/4	1,337.91	3/4	933.97	3/4	530.02	3/4	126.25	3/4		3/4		3/4		3/4	
2	2,135.48	2	1,731.65	2	1,329.49	2	925.55	2	521.61	2	117.89	2		2		2		2	
1/4	2,127.07	1/4	1,723.26	1/4	1,321.08	1/4	917.14	1/4	513.19	1/4	109.53	1/4		1/4		1/4		1/4	
1/2	2,118.65	1/2	1,714.88	1/2	1,312.66	1/2	908.72	1/2	504.78	1/2	101.18	1/2		1/2		1/2		1/2	
3/4	2,110.24	3/4	1,706.49	3/4	1,304.25	3/4	900.30	3/4	496.36	3/4	92.82	3/4		3/4		3/4		3/4	
3	2,101.83	3	1,698.10	3	1,295.83	3	891.89	3	487.94	3	84.74	3		3		3		3	
1/4	2,093.41	1/4	1,689.72	1/4	1,287.42	1/4	883.47	1/4	479.53	1/4	76.65	1/4		1/4		1/4		1/4	
1/2	2,085.00	1/2	1,681.34	1/2	1,279.00	1/2	875.06	1/2	471.11	1/2	68.57	1/2		1/2		1/2		1/2	
3/4	2,076.58	3/4	1,672.95	3/4	1,270.59	3/4	866.64	3/4	462.70	3/4	60.49	3/4		3/4		3/4		3/4	
4	2,068.17	4	1,664.58	4	1,262.17	4	858.23	4	454.28	4	53.65	4		4		4		4	
1/4	2,059.75	1/4	1,656.21	1/4	1,253.76	1/4	849.81	1/4	445.87	1/4	46.80	1/4		1/4		1/4		1/4	
1/2	2,051.34	1/2	1,647.84	1/2	1,245.34	1/2	841.40	1/2	437.45	1/2	39.96	1/2		1/2		1/2		1/2	
3/4	2,042.93	3/4	1,639.47	3/4	1,236.92	3/4	832.98	3/4	429.04	3/4	33.12	3/4		3/4		3/4		3/4	
5	2,034.51	5	1,631.10	5	1,228.51	5	824.56	5	420.62	5	28.38	5		5		5		5	
1/4	2,026.10	1/4	1,622.73	1/4	1,220.09	1/4	816.15	1/4	412.21	1/4	23.64	1/4		1/4		1/4		1/4	
1/2	2,017.68	1/2	1,614.36	1/2	1,211.68	1/2	807.73	1/2	403.79	1/2	18.90	1/2		1/2		1/2		1/2	
3/4	2,009.27	3/4	1,605.99	3/4	1,203.26	3/4	799.32	3/4	395.37	3/4	14.15	3/4		3/4		3/4		3/4	
6	2,000.85	6	1,597.62	6	1,194.85	6	790.90	6	386.96	6		6		6		6		6	
1/4	1,992.44	1/4	1,589.25	1/4	1,186.43	1/4	782.49	1/4	378.54	1/4		1/4		1/4		1/4		1/4	
1/2	1,984.03	1/2	1,580.88	1/2	1,178.02	1/2	774.07	1/2	370.13	1/2		1/2		1/2		1/2		1/2	
3/4	1,975.61	3/4	1,572.50	3/4	1,169.60	3/4	765.66	3/4	361.71	3/4		3/4		3/4		3/4		3/4	
7	1,967.20	7	1,564.13	7	1,161.18	7	757.24	7	353.30	7		7		7		7		7	
1/4	1,958.78	1/4	1,555.76	1/4	1,152.77	1/4	748.83	1/4	344.88	1/4		1/4		1/4		1/4		1/4	
1/2	1,950.37	1/2	1,547.39	1/2	1,144.35	1/2	740.41	1/2	336.47	1/2		1/2		1/2		1/2		1/2	
3/4	1,941.96	3/4	1,539.02	3/4	1,135.94	3/4	731.99	3/4	328.05	3/4		3/4		3/4		3/4		3/4	
8	1,933.54	8	1,530.65	8	1,127.52	8	723.58	8	319.63	8		8		8		8		8	
1/4	1,925.13	1/4	1,522.28	1/4	1,119.11	1/4	715.16	1/4	311.22	1/4		1/4		1/4		1/4		1/4	
1/2	1,916.71	1/2	1,513.90	1/2	1,110.69	1/2	706.75	1/2	302.80	1/2		1/2		1/2		1/2		1/2	
3/4	1,908.30	3/4	1,505.53	3/4	1,102.28	3/4	698.33	3/4	294.39	3/4		3/4		3/4		3/4		3/4	
9	1,899.88	9	1,497.16	9	1,093.86	9	689.92	9	285.97	9		9		9		9		9	
1/4	1,891.47	1/4	1,488.79	1/4	1,085.45	1/4	681.50	1/4	277.56	1/4		1/4		1/4		1/4		1/4	
1/2	1,883.06	1/2	1,480.42	1/2	1,077.03	1/2	673.09	1/2	269.14	1/2		1/2		1/2		1/2		1/2	
3/4	1,874.64	3/4	1,472.04	3/4	1,068.61	3/4	664.67	3/4	260.73	3/4		3/4		3/4		3/4		3/4	
10	1,866.23	10	1,463.67	10	1,060.20	10	656.25	10	252.31	10		10		10		10		10	
1/4	1,857.81	1/4	1,455.30	1/4	1,051.78	1/4	647.84	1/4	243.90	1/4		1/4		1/4		1/4		1/4	
1/2	1,849.40	1/2	1,446.93	1/2	1,043.37	1/2	639.42	1/2	235.49	1/2		1/2		1/2		1/2		1/2	
3/4	1,840.98	3/4	1,438.55	3/4	1,034.95	3/4	631.01	3/4	227.07	3/4		3/4		3/4		3/4		3/4	
11	1,832.57	11	1,430.18	11	1,026.54	11	622.59	11	218.66	11		11		11		11		11	
1/4	1,824.16	1/4	1,421.80	1/4	1,018.12	1/4	614.18	1/4	210.25	1/4		1/4		1/4		1/4		1/4	
1/2	1,815.74	1/2	1,413.42	1/2	1,009.71	1/2	605.76	1/2	201.84	1/2		1/2		1/2		1/2		1/2	
3/4	1,807.33	3/4	1,405.05	3/4	1,001.29	3/4	597.35	3/4	193.43	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/06/2026 JS
CALCULATED: 02/09/2026 CL
PRINTED: 02/10/2026 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2026

PRECISION MEASUREMENT
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