



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

Certification Date: 02 Nov 2023  
 Expiration Date: 02 Nov 2028

# Certificate of Inspection

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

Vessel Name: CBC 112  
 Official Number: 1077190  
 IMO Number: Tank Barge  
 Call Sign: Source

Holding Port: NEW ORLEANS, LA  
 Hull Material: Steel  
 Horsepower: Propulsion

Place Built: GALVESTON, TX  
 Delivery Date: 01 Nov 1999  
 Gross Tonnage: R 736  
 Net Tonnage: R 735  
 Length: R-200  
 10

Owner: CANAL BARGE COMPANY INC  
 1801 ENGINEERS ROAD  
 BELLE CHASSE, LA 70037  
 UNITED STATES

Master: CANAL BARGE COMPANY INC  
 1801 ENGINEER ROAD  
 BELLE CHASSE, LA 70037  
 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 Others
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 Seaman	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, and no Others. Total Persons allowed: 0

Route Permitted And Conditions Of Operation  
 ---Lakes, Bays, and Sounds plus Limited Coastwise---

With this inspection for Certification having been completed at Pittsburgh, PA, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Pittsburgh 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  
 Date  
 Zone  
 A/P/R  
 Signature

This certificate issued by: J.R. JOTLEY Commander, USCG, Acting  
 Officer in Charge Marine Inspection  
 Marine Safety Unit Pittsburgh  
 Inspection Zone



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

# Certificate of Inspection

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

Vessel Name: CBC 112      Official Number: 1077190      IMO Number:      Call Sign:      Service: Tank Barge

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

Place Built: GALVESTON, TX      Delivery Date: 01 Nov 1999      Keel Laid Date:      Gross Tons: R-735      Net Tons: R-735      DWT:      Length: R-200.0      I-O:      UNITED STATES

Operator: CANAL BARGE COMPANY INC  
 1801 Engineer Rd  
 Belle Chasse, LA 70037  
 UNITED STATES

This vessel must be manned with the following licensed and unlicensed personnel. Included in which there must be 0 Certified Lifboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDS Operator.

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

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 plus Limited Coastwise---

Also, in fair weather only, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida.  
 This vessel has been granted a fresh water service examination interval per 46 CFR 31.10-21(a)(2). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a)(1) and the cognizant OCMI notified in writing as soon as this change in status occurs.  
 This tank barge is participating in the Eighth Coast Guard District's Tank Barge Streamlined Inspection \*\*\*SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION\*\*\*

With this inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur 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  
 Signature: J.J. Andrew  
 A/P/R:      Zone:      Date: 07-Nov-19

11-16-22	Canal Barge	A	Keel White
10 Jan 22	Canal Barge	A	Keel White
06 Jan 21	Canal Barge	A	Keel White
07-Nov-19	Canal Barge	A	Keel White





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

# Certificate of Inspection

This certificate fulfills the requirements of SOLAS as amended, regulation V/14 for a SAFE MANNING DOCUMENT.

Certification Date: 05 Dec 2018  
 Expiration Date: 05 Dec 2023

Vessel Name	CBC 112	IMO Number	1077190	Call Sign	Tank Barge	Service	
Manning Plan	NEW ORLEANS, LA	Hull Material	Steel	Horsepower		Propulsion	
Place Built	GALVESTON, TX	Delivery Date	01Nov1999	Keel/Laid Date		Gross Tons	R-735
	UNITED STATES					Net Tons	R-200
						Length	110
Owner	CANAL BARGE COMPANY INC	Operator	CANAL BARGE COMPANY INC	1801 Engineer Rd	Belle Chasse, LA 70037	UNITED STATES	

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

0 Masters	0 Licensed Mates	0 Chief Engineers	0 Others
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	
0 Second Mates	0 Radio Officers	0 Second Assistant Engineer	
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 plus Limited Coastwise---

Greatly affected weather only in those areas that have been notified in writing as soon as this information is available.

This vessel has been granted a fresh water service examination interval per 46 CFR 31.10-21(a) (2). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a) (1) and the cognizant OCMI notified in writing as soon as this change in status occurs.

This tank barge is participating in the Great Coast Guard District's Tank Barge Streamlined Inspection Program.

...SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION...

With this inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur 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

Date	27-Nov-19	Zone	Canal Barge	Signature	J. J. Andrews
A/P/R					
Inspection Zone	Marine Safety Unit Port Arthur				



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

# Certificate of Inspection

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

Vessel Name: CBC 112    Official Number: 1077190    IMO Number:    Call Sign:    Service: Tank Barge

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

Place Built: GALVESTON, TX    Delivery Date: 01Nov1999    Keel Laid Date:    Gross Tons: R-735    Net Tons: R-735    DWT:    Length: R-200.0    I-O:    UNITED STATES

Operator: CANAL BARGE COMPANY INC  
 1801 Engineer Rd  
 Belle Chasse, LA 70037  
 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 GMDS Operators.

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

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 plus Limited Coastwise---

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

This vessel has been granted a fresh water service examination interval per 46 CFR 31.10-21(a) (2). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a) (1) and the cognizant OCM notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eighth Coast Guard District's Tank Barge Streamlined Inspection \*\*\*SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION\*\*\*

With this Inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur 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

Date	Zone	A/P/R	Signature
31-Nov-19	Carrabelle A	A	J.J. Andrews

Officer in Charge, Marine Inspection: J.J. ANDREW, CDR, USCG, By direction

Marine Safety Unit Port Arthur

Inspection Zone



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

# Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V14, for a SAFE MANNING DOCUMENT.

Vessel Name: CBC 112      Official Number: 1077190      IMO Number:      Call Sign:      Service: Tank Barge

Hailing Port: NEW ORLEANS, LA      Hull Material: Steel      Horsepower:      Propulsion:      United States

Place Built: GALVESTON, TX      Delivery Date: 01Nov1999      Keel Laid Date:      Gross Tons: R-735      Net Tons: R-735      DWT:      Length: R-200.0      ILO:      UNITED STATES

Operator: CANAL BARGE COMPANY INC  
 1801 Engineer Rd  
 Belle Chasse, LA 70037  
 UNITED STATES

Owner: CANAL BARGE COMPANY INC  
 1801 Engineer Rd  
 Belle Chasse, LA 70037  
 UNITED STATES

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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 plus Limited Coastwise---

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

This vessel has been granted a fresh water service examination interval per 46 CFR 31.10-21(a) (2). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a) (1) and the cognizant OCM notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eighth Coast Guard District's Tank Barge Streamlined Inspection Program

\*\*\*SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION\*\*\*

With this inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur 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

Date	Zone	A/P/R	Signature

This certificate issued by: *[Signature]* J. J. ANDREW, CDR, USCG, By direction

Officer in Charge, Marine Inspection  
 Marine Safety Unit Port Arthur  
 Inspection Zone



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

Certification Date: 05 Dec 2018  
 Expiration Date: 05 Dec 2023

# Certificate of Inspection

Vessel Name: CBC 112

(TSB)? Inspection activities aboard this barge shall be conducted per its Tank Barge Action Plan (TBAP). Inspection issues concerning this barge should be directed to OCMI New Orleans, Louisiana.

## ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
Dry Dock	31Dec2028	05Dec2018	20Feb2009
Internal Structure	31Oct2023	05Dec2018	21Oct2013

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

Authorization:	Flammable/Combustible Liquids and Specified Hazardous Cargoes	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
Total Capacity	10727	Barrels	A	Yes	No	No
Hazardous Bulk Solids Authority*	Not Authorized					
*Loading Constraints - Structural*	Not Authorized					

Tank Location Description

2	573	13.6
Max Cargo Weight per Tank (short tons)	573	13.6
Maximum Density (lbs/gal)	594	13.6
1	573	13.6

## \*Loading Constraints - Stability\*

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	1657	10ft 2in	13.6	R, LBS
III	1657	10ft 2in	13.6	R

## \*Conditions Of Carriage\*

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), #C1-1101374, dated 11 May 2011, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

## \*Stability and Trim\*

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

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.

## --- Inspection Status ---

### \*Cargo Tanks\*

Tank Id	Internal Exam	Next	Previous	Last	External Exam	Next	Previous	Last
1	20Feb2009	05Dec2018	31Dec2028	-	-	-	-	-
3	20Feb2009	05Dec2018	31Dec2028	-	-	-	-	-
2	20Feb2009	05Dec2018	31Dec2028	-	-	-	-	-

Vessel Name: CBC 112



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

# Certificate of Inspection

Certification Date: 05 Dec 2018  
Expiration Date: 05 Dec 2023

Tank Id	Safety Valves	Previous	Last	Next
2	-	-	-	-
3	-	-	-	-
1	-	-	-	-

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery  
--- Fire Fighting Equipment ---  
Number of Fireman Outfits - 0

\*Fire Extinguishers - Hand portable and semi-portable\*  
Quantity  
2  
B-II  
\*\*\*END\*\*\*



# Certificate of Inspection

## Cargo Authority Attachment

Department of Homeland Security  
United States Coast Guard

Serial #: C1-1101374  
Dated: 11-May-11

Vessel Name: CBC 112  
Official #: 1077190

Shipyard: First Wave Newport  
Hull #: 119

### 46 CFR 151 Tank Group Characteristics

Tank Group Information	Cargo Identification			Hull Tank Type	Cargo Seg	Tanks	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Fire Protection Provided	Special Requirements	Material of Construction	Elec Haz Cont.	Temp
	Density	Press.	Temp.														
A All	13.6	Atmos.	Amb.	III	Integral	PV	Closed	II	G-1	NR	NA	Portable	40-10(1), 50-60, 50-70(a), 50-81(a), 50-81(b), 50-81(c), 50-81(d), 50-81(e), 50-81(f), 50-81(g)	General			

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 that the vessel does not have a cargo control space, and this requirement is not applied.  
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 is located in a hazardous location.  
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

Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mar's of	Temp. period	Conditions of Carriage	
											Vapor Recovery	
Authorized Subchapter O Cargoes												
Acetonitrile		37	O	C	III	A		N/A	No			
Alkyl(C7-C9) nitrates		34.2	O	NA	III	A		N/A	50-81, 50-86			
Ammonium bisulfite solution (70% or less)		8	O	E	III	A		N/A	55-1(b)			
Azobenzene		32	O	C	III	A		N/A	50-60			
Benzene or hydrocarbon mixtures (having 10% Benzene or more)		32.2	O	C	III	A		N/A	50-60			
Benzene, Toluene, Xylene mixtures (10% Benzene or more)		32	O	B/C	III	A		N/A	50-60			
Butyl acrylate (all isomers)		14	O	D	III	A		N/A	50-70(a), 50-81(a), (b)			
Butyl methacrylate		14	O	D	III	A		N/A	50-70(a), 50-81(a), (b)			
Butyraldehyde (all isomers)		19	O	C	III	A		N/A	50-70(a), 50-81(a), (b)			
Carbon tetrachloride		36	O	NA	III	A		N/A	55-1(h)			
Caulic soda solution		5.2	O	NA	III	A		N/A	50-73, 55-1(j)			
Caulic potash solution		5.2	O	NA	III	A		N/A	50-73, 55-1(j)			
Chlorobenzene		36	O	D	III	A		N/A	50-73, 55-1(l)			
Chloroform		36	O	NA	III	A		N/A	No			
Coal tar naphtha solvent		36	O	NA	III	A		N/A	No			
Cresols (all isomers)		21.2	O	E	III	A		N/A	50-73			
Cresylic acid tar		5	O	NA	III	A		N/A	50-73, 55-1(v)			
Cresylic spent caustic		21	O	E	III	A		N/A	No			
Cyclohexane		18	O	D	III	A		N/A	58-1(a), (b)			
Cyclohexanone, Cyclohexanol mixture		18.2	O	E	III	A		N/A	58-1(b)			
Cyclohexylamine		7	O	D	III	A		N/A	56-1(a), (b), (c), (g)			
Cyclopentadiene, Styrene, Benzene mixture		30	O	D	III	A		N/A	50-60, 56-1(b)			
iso-Decyl acrylate		14	O	E	III	A		N/A	50-70(a), 50-81(a), (b), 55-1(c)			
Dichlorobenzene (all isomers)		36	O	E	III	A		N/A	56-1(a), (b)			
Dichloromethane		36	O	C	III	A		N/A	No			
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution		43	O	NA	III	A		N/A	56-1(a), (b), (c), (g)			
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution		43	O	E	III	A		N/A	56-1(a), (b), (c), (g)			
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution		43.2	O	E	III	A		N/A	56-1(a), (b), (c), (g)			
1,1-Dichloropropane		36	O	C	III	A		N/A	No			
1,2-Dichloropropane		36	O	C	III	A		N/A	No			

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



# Certificate of Inspection

## Cargo Authority Attachment

Department of Homeland Security  
United States Coast Guard

Vessel Name: **CBC 112**  
Official #: 1077190

Page 2 of 4

Shipyards: First Wave Newport  
Hull #: 119

Serial #: C1-1101374  
Dated: 11-May-11

Cargo Identification										Conditions of Carriage		
Name	Chem Code	Comp Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd Category (Y or N)	VCS Category	Special Requirements in 46 CFR	Inspection Period		

1,3-Dichloropropane	DPC	36	O	C	III	A	No	N/A	No	g		
Diethanolamine	DEA	8	O	E	III	A	No	N/A	55-1(c)	g		
Diethylamine	DEN	7	O	C	III	A	No	N/A	55-1(c)	g		
Diethylenetriamine	DET	72	O	E	III	A	No	N/A	55-1(c)	g		
Dibutylamine	DBU	7	O	D	III	A	No	N/A	55-1(c)	g		
Diisopropylamine	DIP	8	O	E	III	A	No	N/A	55-1(c)	g		
N,N-D-methylacetamide	DAC	10	O	E	III	A	No	N/A	56-1(b)	g		
Dimethylformamide	DMF	10	O	D	III	A	No	N/A	56-1(b), (c)	g		
Dimethylacetamide	DMA	8	O	D	III	A	No	N/A	56-1(b)	g		
N-Ethylcyclohexylamine	ECC	7	O	D	III	A	No	N/A	55-1(b)	g		
Ethylene cyanohydrin	ETC	20	O	E	III	A	No	N/A	55-1(b)	g		
Ethylamine	EDA	72	O	D	III	A	No	N/A	55-1(c)	g		
Ethylene dichloride	EDC	362	O	C	III	A	No	N/A	55-1(c)	g		
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No	g		
Ethylene glycol monoalkyl ethers	EGC	40	O	D/E	III	A	No	N/A	No	g		
Ethylene glycol propyl ether	EGP	40	O	E	III	A	No	N/A	No	g		
2-Ethylhexyl acrylate	EAL	14	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)	g		
Ethyl methacrylate	ETM	14	O	D/E	III	A	No	N/A	50-70(a)	g		
2-Ethyl-3-propylacrolein	EPA	192	O	E	III	A	No	N/A	50-70(a)	g		
Formaldehyde solution (37% to 50%)	FMS	192	O	D/E	III	A	No	N/A	No	g		
Furfural	FFA	19	O	D	III	A	No	N/A	55-1(h)	g		
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No	g		
Hexamethylenediamine solution	HMC	7	O	E	III	A	No	N/A	55-1(c)	g		
Hydrocarbon 5-9	HFN		O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	g		
Isoprene, Pentadiene mixture	IPR	30	O	A	III	A	No	N/A	50-70(a), 50-81(a), (b)	g		
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c), (g)	g		
Mesityl oxide	MSO	182	O	D	III	A	No	N/A	No	g		
Methyl acrylate	MAM	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	g		
Methyldicyclopentadiene dimer	MCK	30	O	C	III	A	No	N/A	No	g		
Methyl diethanolamine	MDE	8	O	E	III	A	No	N/A	56-1(b), (c)	g		
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	No	N/A	55-1(e)	g		
Methyl methacrylate	MMM	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	g		
2-Methylpyridine	MMP	9	O	D	III	A	No	N/A	55-1(c)	g		
alpha-Methylstyrene	MSR	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)	g		
Morpholine	MPL	72	O	D	III	A	No	N/A	55-1(c)	g		
1- or 2-Nitropropane	NPM	42	O	D	III	A	No	N/A	50-81	g		
1,3-Pentadiene	PDE	30	O	A	III	A	No	N/A	50-70(a), 50-81	g		
Perchloroethylene	PER	36	O	NA	III	A	No	N/A	No	g		
Polyethylene polyamines	PFB	72	O	E	III	A	No	N/A	55-1(e)	g		
iso-Propylamine	MPA	8	O	E	III	A	No	N/A	55-1(c)	g		
Propylamine (iso-n-)	PAX	8	O	E	III	A	No	N/A	56-1(b), (c)	g		

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# Certificate of Inspection

Department of Homeland Security  
United States Coast Guard

Vessel Name: CBC 112

Official #: 1077190

Page 3 of 4

Shipyard: First Wave Newport

Hull #: 119

## Cargo Authority Attachment

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

Pyridine	PRD	9	O	C	III	A	No	N/A	55-1(e)		g
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		O		III	A	No	N/A	50-73, 55-1(j)		g
Sodium aluminate solution (45% or less)	SAU	5	O	NA	III	A	No	N/A	50-73, 55-1(a), (b), (c)		g
Sodium chlorate solution (50% or less)	SDD	0 12	O	NA	III	A	No	N/A	50-73		g
Sodium hypochlorite solution (20% or less)	SHQ	5	O	NA	III	A	No	N/A	50-73, 55-1(a), (b)		g
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 12	O	NA	III	A	No	N/A	50-73, 55-1(b)		g
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSL	0 12	O	NA	III	A	No	N/A	50-73, 55-1(b)		g
Styrene (crude)	STX		O	D	III	A	No	N/A	No		g
Styrene monomer	STY	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)		g
1,1,2,2-Tetrachloroethane	TEC	36	O	NA	III	A	No	N/A	No		g
Tetraethylenepentamine	TTP	7	O	E	III	A	No	N/A	55-1(c)		g
Tetrahydrofuran	THF	41	O	C	III	A	No	N/A	50-70(b)		g
1,2,4-Trichlorobenzene	TCB	36	O	E	III	A	No	N/A	No		g
1,1,2-Trichloroethane	TCM	36	O	NA	III	A	No	N/A	50-73, 55-1(a)		g
Trichloroethylene	TCL	36 2	O	NA	III	A	No	N/A	No		g
Triethanolamine	TEA	8 2	O	E	III	A	No	N/A	55-1(b)		g
Triethylenetetramine	TET	7 2	O	E	III	A	No	N/A	55-1(b)		g
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	N/A	55-1(a), (b), (c)		g
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	50-73, 55-1(a), (c)		g
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	O	NA	III	A	No	N/A	66-1(b)		g
Vanillin black liquor (free alkali content, 3% or more)	VBL	5	O	NA	III	A	No	N/A	50-73, 66-1(a), (c), (g)		g
Vinyl acetate	VAM	13	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)		g
Vinyl neodecanate	VND	13	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)		g
Vinyltoluene	VNT	13	O	D	III	A	No	N/A	50-70(a), 50-81, 55-1(a), (b), (c), (f)		g

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

Serial #: C1-1101374  
Dated: 11-May-11



# Certificate of Inspection

Department of Homeland Security  
United States Coast Guard

Serial #: C1-1101374  
Dated: 11-May-11

Vessel Name: CBC 112  
Official #: 1077190

Shipyard: First Wave Ne  
Hull #: 119

Page 4 of 4

### Explanation of terms & symbols used in the Table:

**Cargo Identification**  
Name: none  
Chem Code: none  
The proper shipping name as listed in 48 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2.  
Name: none

**Compassibility Group No.**  
Note 1: 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 and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.  
Note 2: Because of the very high reactivity or unusual compatibility information, contact Commandant (CG-3PSC-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001, Telephone (202) 372-1425.  
Note 3: See Appendix I to 46 CFR Part 150 - exceptions to the compatibility chart.

**Subchapter D**  
Subchapter D  
Subchapter O  
The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.  
Those flammable and combustible liquids listed in 46 CFR Table 30.25-1.  
Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.  
Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges.

**Grade**  
The cargo classification assigned to each flammable or combustible liquid. Grades inside of ("") indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.  
A, B, C  
D, E, F  
Note 4: Flammable liquid cargoes, as defined in 46 CFR 30.10.22.  
Combustible liquid cargoes, as defined in 46 CFR 30-10.15.  
The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.  
#  
NA  
The cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.  
Those subchapter O cargoes which are not classified as a flammable or combustible liquid.  
No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available.

**Hull Type**  
I  
II  
III  
NA  
The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1.  
Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1).  
Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).  
Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).  
Not applicable to barges certificated under Subchapter D.

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

**Conditions of Carriage**  
Tank Group  
Vapor Recovery  
Approved (Y or N)  
Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo.  
No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.  
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.

**Conditions of Carriage**  
Tank Group  
Vapor Recovery  
Approved (Y or N)  
Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo.  
No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.  
The specified cargo's provisional classification for vapor control systems.

**VCS Category:**  
Category 1  
Category 2  
Category 3  
Category 4  
Category 5  
Category 6  
Category 7  
none  
(No additional VCS requirements above those for benzene, gasoline, 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 156.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 38. The cargo tank venting system calculations (46 CFR 39.20-1) and the pressure drop calculations (46 CFR 39.30-1) must use appropriate friction factors, vapor densities and vapor growth rates.  
(Polymers) 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 delatation arresters.  
(Highly toxic) VCS for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.  
(Highly toxic) Must comply with requirements of Categories 1, 2 and 3.  
(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.  
(High vapor pressure and polymers) Must comply with requirements of Categories 1, 2 and 5.  
The cargo has not been evaluated/classified for use in vapor control systems.

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