



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

Certification Date 23 Sep 2019  
Expiration Date 23 Sep 2024

# Certificate of Inspection

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

Vessel Name <b>CBC 221</b>	Official Number <b>1077194</b>	IMO Number	Call Sign	Service <b>Tank Barge</b>		
Hailing Port <b>NEW ORLEANS, LA</b> <b>UNITED STATES</b>	Hull Material <b>Steel</b>	Horsepower	Propulsion			
Place Built <b>GALVESTON TX</b> <b>UNITED STATES</b>	Delivery Date <b>15Sep1999</b>	Keel Laid Date	Gross Tons <b>R-1088</b>	Net Tons <b>R-1088</b>	OWT	Length <b>R-200.0</b>
Owner <b>CANAL BARGE COMPANY INC</b> <b>1801 ENGINEERS ROAD</b> <b>BELLE CHASSE, LA 70037</b> <b>UNITED STATES</b>		Operator <b>CANAL BARGE COMPANY INC</b> <b>1801 ENGINEERS ROAD</b> <b>BELLE CHASSE, LA 70037</b> <b>UNITED STATES</b>				

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

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

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

## Route Permitted And Conditions Of Operation:

---Lakes, Bays, and Sounds---

This vessel has been granted a fresh water service examination interval in accordance with 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 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 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
27-Oct-2020	CHASSE, TX/SIP	A	[Signature]
17-AUG-2021	TBSSIP	P	[Signature]
21-Jul-2022	TBSSIP, CHASSE	A	[Signature]

This certificate issued by: *[Signature]* CDR  
J.J. ANDREW, CDR, USCG, By direction  
Officer in Charge, Marine Inspection  
Marine Safety Unit Port Arthur  
Inspection Zone



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UNITED STATES			I-	I-		I-0
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Date	Zone	A/P/R	Signature	
27-OCT-2020	Chicago TBSIP	A	<i>[Signature]</i>	
17-AUG-2021	TBSIP	P	<i>[Signature]</i>	



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				Marine Safety Unit Port Arthur		
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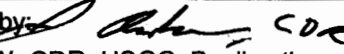
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# Certificate of Inspection

Vessel Name: CBC 221

## ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Aug2029	18Sep2019	25Aug2009
Internal Structure	30Sep2024	18Sep2019	09Oct2014

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

Authorization: Flammable/Combustible Liquids and Specified Hazardous Cargoes

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
16858	Barrels	A	Yes	No	No

### \*Hazardous Bulk Solids Authority\*

Not Authorized

### \*Loading Constraints - Structural\*

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1	1017	13.600
2 P/S	465	13.600
3	930	13.600

### \*Loading Constraints - Stability\*

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	2741	11ft 0in	13.60	
III	2741	11ft 0in	13.60	

### \*Conditions Of Carriage\*

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN99001611, dated 30Aug01, and Grade "A" and lower cargoes may be carried and then only in the tanks indicated.

Per 46 CFR 150.130, the person in charge of the vessel is responsible for ensuring the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using figures, tables, and appendices of 46 CFR 150 in conjunction with the reactive group number from the "Compat Group No" column is listed in the vessel's CAA.

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

### \*Vapor Control Authorization\*

Per 46 CFR 39, excluding Part 39.40, this vessel's vapor control system (VCS) has been inspected to the plans approved by Marine Safety Center letter serial # VN9900164, dated 23 JUN 2000, and found acceptable for collection of bulk liquid cargo vapors from those specific Subchapter "D" cargoes contained in the that letter, and those specified hazardous cargoes annotated a "V" or "T" in the CAA.

The letter "V" in the note column of the CAA signifies approval for vapor control without any additional requirements.

The letter "T" in the note column of the CAA signifies that the cargo is highly toxic and that spill valves or rupture disks are not authorized as the primary means of overfill protection required by 46 CFR 39.20-9. A high level and overfill alarm is required by 46 CFR 39.20-7.

### \*Stability and Trim\*





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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 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.

## --- Inspection Status ---

### \*Cargo Tanks\*

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1	25Aug2009	18Sep2019	31Aug2029	-	-	-
2 P/S	25Aug2009	18Sep2019	31Aug2029	-	-	-
3	25Aug2009	18Sep2019	31Aug2029	-	-	-

### Hydro Test

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

## ---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	B-II

\*\*\*END\*\*\*



Department of Homeland Security  
United States Coast Guard

Serial #: VN99001611  
COI Ref: 30-Aug-01

# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: CBC 221

Official #: D1077194

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Shipyard: NEWPARK SHIPBLDG.

Hull #: 113

### List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat's of Construction
		Group No	Exc				

#### Authorized Subchapter O Cargoes

Alkyl(C7-C9) nitrates	AKN	34	Y		III		50-81, 50-86
Acetonitrile	ATN	37	N	C	III	T	No
Butyraldehyde (all isomers)	BAE	19	N	C	III	V	55-1(h)
Butyl acrylate (all isomers)	BAR	14	N	D	III	V	50-70(a), 50-81(a), (b)
Benzene hydrocarbon mixtures (having 10% Benzene or more)	BHB	32	N		III	V	50-80
Butyl methacrylate	BMH	14	N	D	III	V	50-70(a), 50-81(a), (b)
Benzene	BNZ	32	N	C	III	V	50-80
Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	BTX	32	N	B/C	III	V	50-80
Carbon tetrachloride	CBT	36	N		III		No
Creosote (all isomers)	CCW	21	Y	E	III	V	No
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG	0	N	C	III		No
Chlorobenzene	CRB	36	N	D	III	V	No
Chloroform	CRF	36	N	E	III		No
Cresols (all isomers)	CRS	21	N	E	III	V	No
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	N	D	III	V	50-80, 56-1(b)
Coal tar pitch (molten)	CTP	33	N	E	III		50-73
1,1-Dichloroethane	DCH	36	N	C	III	V	No
Dichloromethane	DCM	36	N	NF	III		No
1,1-Dichloropropane	DPB	36	N	C	III	T	No
1,3-Dichloropropane	DPC	36	N	C	III	T	No
1,2-Dichloropropane	DPP	36	N	C	III	T	No
Ethyl acrylate	EAC	14	N	C	III	V	50-70(a), 50-81(a), (b)
2-Ethylhexyl acrylate	EAI	14	N	E	III	V	50-70(a), 50-81(a), (b)
Ethylene dichloride	EDC	36	Y	C	III	V	No
Ethylene glycol monoalkyl ethers	EGC	40	N	D/E	III	V	No
Ethylene glycol hexyl ether	EGH	40	N	E	III		No
Ethylene glycol propyl ether	EGP	40	N	E	III	V	No
2-Ethyl-3-propylacrolein	EPA	19	Y	E	III	V	No
Ethylene cyanohydrin	ETC	20	N	E	III	V	No
Ethyl methacrylate	ETM	14	N	C	III	V	50-70(a)
Furfural	FFA	19	N	E	III	V	55-1(h)
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	III	V	55-1(h)
Glutaraldehyde solution (50% or less)	GTA	19	N	NF	III		No
Hydrocarbon 5-9	HFN	30	N	A	III	V	50-70(a), 50-81(a), (b)
Isoprene	IPR	30	N	A	III		50-70(a), 50-81(a), (b)
Methyl acrylate	MAM	14	N	C	III	V	50-70(a), 50-81(a), (b)
Methylcyclopentadiene dimer	MCK	30	N	C	III	V	No
Methyl methacrylate	MMM	14	N	C	III	V	50-70(a), 50-81(a), (b)
Mesityl oxide	MSO	18	Y	D	III	V	No
alpha-Methylstyrene	MSR	30	N	D	III		50-70(a), 50-81(a), (b)
Coal tar naphtha solvent	NCT	33	N	D	III	V	50-73
1- or 2-Nitropropane	NPM	42	N	D	III	V	50-81
Phthalic anhydride (molten)	PAN	11	N	E	III	V	No
1,3-Pentadiene	PDE	30	N	A	III		50-70(a), 50-81
Perchloroethylene	PER	36	N	NF	III		No
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	III		50-73
Styrene (crude)	STX	30	N	C	III	V	No
Styrene monomer	STY	30	N	D	III		50-70(a), 50-81(a), (b)

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



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Serial #: VN99001611  
COI Ref: 30-Aug-01

# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: **CBC 221**  
Official #: **D1077194**

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Shipyard: **NEWPARK SHI**  
Hull #: **113**

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
		Group No	Exc				
1,2,4-Trichlorobenzene	TCB	36	N	E	III	V	No
Trichloroethylene	TCL	36	Y		III	V	No
1,1,2,2-Tetrachloroethane	TEC	36	N	NF	III		No
Tetrahydrofuran	THF	41	N	C	III		50-70(b)
Vinyl acetate	VAM	13	N	C	III	V	50-70(a), 50-61(a), (b)

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

#### Cargo Identification

Name	The proper shipping name as listed in 46 CFR Table 151.05.
Chem Code	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.
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.
Exceptions (Exc)	Indication of whether or not there are exceptions to the compatibility chart for the given cargo. See Appendix I to 46 CFR Part 150.
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 NA, NF # Flammable liquid cargoes, as defined in 46 CFR 30-10.22. Combustible liquid cargoes, as defined in 46 CFR 30-10.15. 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 II III 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).

#### Conditions of Carriage

Note	See Certificate of Inspection for explanation of symbols used in this column.
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