



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

Certification Date: 08 Mar 2022
Expiration Date: 08 Mar 2027

Certificate of Inspection

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

Vessel Name CBC 381
Official Number 1243656
IMO Number
Call Sign
Service Tank Barge

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

Place Built Amelia, LA
Delivery Date 29Apr2013
Keel Laid Date 28Jan2013
Gross Tons R-1619
Net Tons R-1619
DWT
Length R-297.5
I-0
UNITED STATES

Owner CANAL BARGE COMPANY INC
835 UNION STREET
New Orleans, LA 70112
UNITED STATES
Operator CANAL BARGE COMPANY INC
1801 Engineers 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 GMDSS Operators.
0 Masters
0 Licensed Mates
0 Chief Engineers
0 Oillers
0 Chief Mates
0 First Class Pilots
0 First Assistant Engineers
0 Second Mates
0 Radio Officers
0 Second Assistant Engineers
0 Able Seamen
0 Third Mates
0 Master First Class Pilot
0 Ordinary Seamen
0 Licensed Engineers
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 Carabelle, Florida.
This vessel has been granted a fresh water service examination interval in accordance with 46 CFR 31.10-21(b); if this vessel is operated in salt water more than six (6) months in any twelve (12) month period, the vessel must be inspected using salt water intervals and the cognizant OCMI notified in writing as soon as this change in status occurs.
SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION
With this Inspection for Certification having been completed at 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
Date 2-22-2027
Zone ComBog
A/P/R 4
Signature K. White
This certificate issued by: Joseph W. Morgans CDR, USCG, By Direction
Officer in Charge, Marine Inspection
Sector Houston-Galveston
Inspection Zone



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

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

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Annual/Periodic/Re-Inspection
Date Zone A/P/R Signature
Inspection Zone
Sector Houston-Galveston
Officer in Charge, Marine Inspection
Joseph W. Morgans CDR, USCG, By Direction
This certificate issued by: *J. W. Morgans*



Vessel Name: CBC 381

Certificate of Inspection

United States of America
Department of Homeland Security
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This tank barge is participating in the Eighth and Ninth Coast Guard District's Tank Barge Streamlined Inspection Program (TBSIP). Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to Sector New Orleans OCM1.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
Dry Dock	29Feb2032	23Feb2022	29Apr2013
Internal Structure	28Feb2027	16Feb2022	02May2018

--- 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
	29627	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	821	12.5
2 P/S	817	12.5
3 P/S	684	12.5

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3763	9ft 8in	12.5	R,LBS
III	4422	11ft 0in	12.5	R,LBS

Conditions Of Carriage

Only those cargoes named in the barge's cargo authority attachment, serial no. C1-1701073, dated March 27, 2017 may be carried, and then only in the tanks indicated.

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 Part 197, subpart C are applied.

Per 46 CFR 150.130, the person in charge of the barge 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 reactive group numbers from the "Compat Group No" column listed in the vessel's cargo authority attachment.

VAPOR CONTROL AUTHORIZATION

In accordance with 46 CFR Part 39, excluding 39.4000, this vessel's vapor collection system has been inspected to the plans approved by Marine Safety Center letters serial #C1-1205080 dated 19-Dec-12 and extended by Serial #C1-1300533 dated 19-Feb-13, and has been found acceptable for the collection of bulk liquid cargo vapors annotated with "yes" in the vessel's cargo authority attachment's VCS column.

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 12.5 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.



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Per 46 CFR Part 39.1017 and 39.5000(e) this vessel's VCS has been evaluated and approved for Multi-Breasted Tandem Loading with other vessels specifically approved to tandem load with this vessel.

--- Inspection Status ---

Cargo Tanks

Internal Exam		External Exam	
Tank Id	Previous	Last	Next
1 P/S	29Apr2013	29Feb2032	-
2 P/S	29Apr2013	29Feb2032	-
3 P/S	29Apr2013	29Feb2032	-
Safety Valves		Hydro Test	
Tank Id	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
40-B

END



Serial #: C7-1707073
Dated: 27-Mar-17

Shipyard: CONRAD INDUSTRIES, INC.

Hull #: C-1014

46 CFR 151 Tank Group Characteristics

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.

Cargo Identification

Authorized Subchapter O Cargoes

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Vessel Name: CBC 381

Official #: 1243656

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Hull #: C-1014

Shipyard: CONRAD INDUSTRIES, INC.

Certificate of Inspection

Cargo Authority Attachment

Department of Homeland Security
United States Coast Guard

Serial #: C-1701073
Dated: 27-Mar-17

Cargo Identification										Conditions of Carriage	
Name	Chem Code	Comp Group	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery (Y or N)	Category	Special Requirements in 46 CFR	151 General and Mar's of	Insp. Period

1,1-Dichloroethane	DCH	36	O	C	III	A	Yes	1	No		
2,2-Dichloroethyl ether	DEE	41	O	D	II	A	Yes	1	55-1(f)		
Dichloromethane	DCM	36	O	NA	III	A	Yes	5	No		
1,1-Dichloropropane	DPB	36	O	C	III	A	Yes	3	No		
1,2-Dichloropropane	DDP	36	O	C	III	A	Yes	3	No		
1,3-Dichloropropane	DPC	36	O	C	III	A	Yes	3	No		
1,3-Dichloropropene	DPV	15	O	D	II	A	Yes	4	No		
Dichloropropene, Dichloropropene mixtures	DMX	15	O	C	II	A	Yes	1	No		
Dichloroamine	DEA	8	O	E	III	A	Yes	1	55-1(c)		
Diethylenetriamine	DEN	7	O	C	III	A	Yes	3	55-1(c)		
Diethylenetriamine	DET	7	O	E	III	A	Yes	1	55-1(c)		
Diisobutylamine	DBU	7	O	D	III	A	Yes	3	55-1(c)		
Diisopropylamine	DIP	8	O	E	III	A	Yes	1	55-1(c)		
Diisopropylamine	DIA	7	O	C	II	A	Yes	3	55-1(c)		
N,N-Dimethylacetamide	DAC	10	O	E	III	A	Yes	3	55-1(b)		
Dimethylformamide	DMF	10	O	D	III	A	Yes	1	55-1(a)		
Di-n-propylamine	DNA	7	O	C	II	A	Yes	3	55-1(c)		
Dodecyl dimethylamine, Tetradecyl dimethylamine mixtures	DOT	7	O	E	III	A	No	N/A	55-1(b)		
Dodecyl diphenyl ether disulfonate solution	DOS	43	O	#	II	A	No	N/A	No		
EE Glycol Ether Mixture	EEG	40	O	D	III	A	No	N/A	No		
Ethanolamine	MEA	8	O	E	III	A	Yes	1	55-1(c)		
Ethyl acrylate	EAC	14	O	C	III	A	Yes	2	50-70(a), 50-81(a), (b)		
Ethylamine solution (72% or less)	EAN	7	O	A	II	A	Yes	6	55-1(b)		
N-Ethylbutylamine	EBA	7	O	D	III	A	Yes	3	55-1(b)		
N-Ethylcyclohexylamine	ECC	7	O	D	III	A	Yes	1	55-1(b)		
Ethylene cyanohydrin	ETC	20	O	E	III	A	Yes	1	55-1(c)		
Ethylenediamine	EDA	7	O	D	III	A	Yes	1	55-1(c)		
Ethylene dichloride	EDC	36	O	C	III	A	Yes	1	No		
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No		
Ethylene glycol monalkyl ethers	EGC	40	O	D/E	III	A	Yes	1	No		
Ethylene glycol propyl ether	EGP	40	O	E	III	A	Yes	1	No		
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	Yes	2	50-70(a), 50-81(a), (b)		
Ethyl methacrylate	ETM	14	O	D/E	III	A	Yes	2	50-70(a)		
2-Ethyl-3-propylacrolein	EPA	19	O	E	III	A	Yes	1	No		
Formaldehyde solution (37% to 50%)	FMS	19	O	D/E	III	A	Yes	1	55-1(b)		
Furfural	FFA	19	O	D	III	A	Yes	1	55-1(b)		
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No		
Hexamethylenediamine solution	HMC	7	O	E	III	A	Yes	1	55-1(c)		
Hydrocarbon 5-9	HFN	31	O	C	III	A	Yes	1	50-70(a), 50-81(a), (b)		
Isoprene	IPR	30	O	A	III	A	Yes	7	50-70(a), 50-81(a), (b)		
Isoprene, Pentadiene mixture	IPN	30	O	B	III	A	No	N/A	50-70(a), 55-1(c)		
Mesityl oxide	MSO	18	O	D	III	A	Yes	1	No		
Methyl acrylate	MAM	14	O	C	III	A	Yes	2	50-70(a), 50-81(a), (b)		
Methylenecyclopentadiene dimer	MCK	30	O	C	III	A	Yes	1	No		
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	Yes	1	55-1(a)		
Methyl methacrylate	MMM	14	O	C	III	A	Yes	2	50-70(a), 50-81(a), (b)		
2-Methylpyridine	MPP	9	O	D	III	A	Yes	3	55-1(c)		
alpha-Methylstyrene	MSR	30	O	D	III	A	Yes	2	50-70(a), 50-81(a), (b)		

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Vessel Name: CBC 381

Official #: 1243656

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Hull #: C-1014

Shipyard: CONRAD INDUSTRIES, INC.

Certificate of Inspection

Cargo Authority Attachment

Department of Homeland Security
United States Coast Guard

Serial #: C1-1701073
Dated: 27-Mar-17

Cargo Identification										Conditions of Carriage	
Name	Chem Code	Compat Group	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery App'd (Y or N)	Special Requirements in 46 CFR	Insp. Period		

Morpholine	MPL	7 2	O	D	III	A	Yes	55-1(c)	g		
Nitroethane	NTE	42	O	D	II	A	No	50-61, 56-1(b)	g		
1- or 2-Nitropropane	NPM	42	O	D	III	A	Yes	50-61	g		
1,3-Pentadiene	PDE	30	O	A	III	A	Yes	50-70(a), 50-81	g		
Polyethylene polyamines	PEB	7 2	O	E	III	A	Yes	55-1(e)	g		
iso-Propylamine	MPA	8	O	E	III	A	Yes	55-1(c)	g		
iso-Propylamine	IPP	7	O	A	II	A	Yes	55-1(c)	g		
Pyridine	PRD	9	O	C	III	A	Yes	55-1(e)	g		
Sodium chlorate solution (50% or less)	SDD	0 1 2	O	NA	III	A	No	50-73	g		
Sodium hypochlorite solution (20% or less)	SHQ	5	O	NA	III	A	No	60-73, 56-1(a), (b)	g		
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 1 2	O	NA	III	A	Yes	50-73, 55-1(b)	g		
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 1 2	O	NA	III	A	No	50-73, 55-1(b)	g		
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1 2	O	NA	II	A	No	50-73, 55-1(b)	g		
Styrene (crude)	STX	30	O	D	III	A	Yes	2	g		
Styrene monomer	STY	30	O	D	III	A	Yes	50-70(a), 50-81(a), (b)	g		
Tetraethylenepentamine	TTP	7	O	E	III	A	Yes	55-1(c)	g		
Tetrahydrofuran	THF	41	O	C	III	A	Yes	50-70(b)	g		
1,2,4-Trichlorobenzene	TCB	36	O	E	III	A	Yes	1	g		
1,1,2-Trichloroethane	TCM	36	O	NA	III	A	Yes	50-73, 56-1(a)	g		
Trichloroethylene	TCL	36 2	O	NA	III	A	Yes	1	g		
1,2,3-Trichloropropane	TCN	36	O	E	II	A	Yes	50-73, 56-1(a)	g		
Triethanolamine	TEA	8 2	O	E	III	A	Yes	55-1(b)	g		
Triethylamine	TEN	7	O	C	II	A	Yes	3	g		
Triethylenetetramine	TET	7 2	O	E	III	A	Yes	55-1(b)	g		
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	O	NA	III	A	No	N/A	g		
Vinyl acetate	VAM	13	O	C	III	A	Yes	2	g		
Vinyl neodecane	VND	13	O	E	III	A	No	50-70(a), 50-81(a), (b)	g		

Subchapter D Cargoes Authorized for Vapor Control

Acetone	ACT	18 2	D	C	A	Yes	1		
Acetophenone	ACP	18	D	E	A	Yes	1		
Alcohol(C12-C16) poly(1-6)ethoxyates	APU	20	D	E	A	Yes	1		
Alcohol(C6-C17)(secondary) poly(7-12)ethoxyates	AEB	20	D	E	A	Yes	1		
Amyl acetate (all isomers)	AEC	34	D	D	A	Yes	1		
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D	A	Yes	1		
Benzyl alcohol	BAL	21	D	E	A	Yes	1		
Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFX	20	D	E	A	Yes	1		
Butyl acetate (all isomers)	BAX	34	D	D	A	Yes	1		
Butyl alcohol (iso-)	IAL	20 2	D	D	A	Yes	1		
Butyl alcohol (n-)	BAN	20 2	D	D	A	Yes	1		
Butyl alcohol (sec-)	BAS	20 2	D	C	A	Yes	1		
Butyl alcohol (tert-)	BAT	20 2	D	C	A	Yes	1		
Butyl benzyl phthalate	BPH	34	D	E	A	Yes	1		

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Hull #: C-1014

Shipyard: CONRAD
INDUSTRIES, INC.

Serial #: C1-1701073
Dated: 27-Mar-17

Cargo Identification										Conditions of Carriage		
Name	Chem Code	Comp Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery (Y or N)	Special Requirements in 46 CFR	Insp. Period			

Butyl toluene	BUE	32	D	D	A	Yes	1					
Caprolactam solutions	CLS	22	D	E	A	Yes	1					
Cyclohexane	CHX	31	D	C	A	Yes	1					
Cyclohexanol	CHN	20	D	E	A	Yes	1					
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E	A	Yes	2					
p-Cymene	CMP	32	D	D	A	Yes	1					
iso-Decaldehyde	IDA	19	D	E	A	Yes	1					
n-Decaldehyde	DAL	19	D	E	A	Yes	1					
Decene	DCE	30	D	D	A	Yes	1					
Decyl alcohol (all isomers)	DAX	20 ²	D	E	A	Yes	1					
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E	A	Yes	1					
Diacetone alcohol	DAA	20 ²	D	D	A	Yes	1					
ortho-Dibutyl phthalate	DPA	34	D	E	A	Yes	1					
Diethylbenzene	DEB	32	D	D	A	Yes	1					
Diethylene glycol	DEG	40 ²	D	E	A	Yes	1					
Diisobutylene	DBI	30	D	C	A	Yes	1					
Diisobutyl ketone	DIK	18	D	D	A	Yes	1					
Diisopropylbenzene (all isomers)	DIX	32	D	E	A	Yes	1					
Dimethyl phthalate	DTL	34	D	E	A	Yes	1					
Dioctyl phthalate	DOP	34	D	E	A	Yes	1					
Dipentene	DPN	30	D	D	A	Yes	1					
Diphenyl	DIL	32	D	D/E	A	Yes	1					
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E	A	Yes	1					
Diphenyl ether	DPE	41	D	{E}	A	Yes	1					
Dipropylene glycol	DPG	40	D	E	A	Yes	1					
Distillates: Flashed feed stocks	DFP	33	D	E	A	Yes	1					
Distillates: Straight run	DSR	33	D	E	A	Yes	1					
Docene (all isomers)	DOZ	30	D	D	A	Yes	1					
Dodecylbenzene, see Alkyl(C9+)benzenes	DOB	32	D	E	A	Yes	1					
2-Ethoxyethyl acetate	EEA	34	D	D	A	Yes	1					
Ethoxy triglycol (crude)	ETG	40	D	E	A	Yes	1					
Ethyl acetate	ETA	34	D	C	A	Yes	1					
Ethyl acetoacetate	EAA	34	D	E	A	Yes	1					
Ethyl alcohol	EAL	20 ²	D	C	A	Yes	1					
Ethylbenzene	ETB	32	D	C	A	Yes	1					
Ethyl butanol	EBT	20	D	D	A	Yes	1					
Ethyl tert-butyl ether	EBE	41	D	C	A	Yes	1					
Ethyl butyrate	EBR	34	D	D	A	Yes	1					
Ethyl cyclohexane	ECY	31	D	D	A	Yes	1					
Ethylene glycol	EGL	20 ²	D	E	A	Yes	1					

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Cargo Authority Attachment

Department of Homeland Security
United States Coast Guard

Serial #: C-1701073
Dated: 27-Mar-17

Cargo Identification										Conditions of Carriage		
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Ethylene glycol butyl ether acetate	EMA	34	D	E	A	Yes	1					
Ethylene glycol diacetate	EGY	34	D	E	A	Yes	1					
Ethylene glycol phenyl ether	EPE	40	D	E	A	Yes	1					
Ethyl-3-ethoxypropionate	EPP	34	D	D	A	Yes	1					
2-Ethylhexanol	EHX	20	D	E	A	Yes	1					
Ethyl propionate	EPR	34	D	C	A	Yes	1					
Ethyl toluene	ETE	32	D	D	A	Yes	1					
Formamide	FAM	10	D	E	A	Yes	1					
Furfuryl alcohol	FAL	20 ²	D	E	A	Yes	1					
Gasoline blending stocks: Alkylates	GAK	33	D	A/C	A	Yes	1					
Gasoline blending stocks: Reformates	GRF	33	D	A/C	A	Yes	1					
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	C	A	Yes	1					
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	C	A	Yes	1					
Gasolines: Casinghead (natural)	GCS	33	D	A/C	A	Yes	1					
Gasolines: Polymer	GPL	33	D	A/C	A	Yes	1					
Gasolines: Straight run	GSR	33	D	A/C	A	Yes	1					
Glycerine	GCR	20 ²	D	E	A	Yes	1					
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	C	A	Yes	1					
Heptanoic acid	HEP	4	D	E	A	Yes	1					
Heptanol (all isomers)	HTX	20	D	D/E	A	Yes	1					
Heptene (all isomers)	HPX	30	D	C	A	Yes	2					
Heptyl acetate	HPE	34	D	E	A	Yes	1					
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	D	B/C	A	Yes	1					
Hexanoic acid	HXO	4	D	E	A	Yes	1					
Hexanol	HXN	20	D	D	A	Yes	1					
Hexene (all isomers)	HEX	30	D	C	A	Yes	2					
Hexylene glycol	HXG	20	D	E	A	Yes	1					
Isophorone	IPH	18 ²	D	E	A	Yes	1					
Jet fuel: JP-4	JPF	33	D	E	A	Yes	1					
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D	A	Yes	1					
Kerosene	KRS	33	D	D	A	Yes	1					
Methyl acetate	MTT	34	D	D	A	Yes	1					
Methyl alcohol	MAL	20 ²	D	C	A	Yes	1					
Methylamyl acetate	MAC	34	D	D	A	Yes	1					
Methylamyl alcohol	MAA	20	D	D	A	Yes	1					
Methyl amyl ketone	MAK	18	D	D	A	Yes	1					
Methyl tert-butyl ether	MBE	41 ²	D	C	A	Yes	1					
Methyl butyl ketone	MBK	18	D	C	A	Yes	1					
Methyl butyrate	MBU	34	D	C	A	Yes	1					
Methyl ethyl ketone	MEK	18 ²	D	C	A	Yes	1					

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Serial #: C1-1701073
Dated: 27-Mar-17

Department of Homeland Security
United States Coast Guard

Certificate of Inspection

Cargo Authority Attachment

Shipyard: CONRAD INDUSTRIES, INC.

Hull #: C-1014

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Official #: 1243656

Vessel Name: CBC 381



Cargo Identification										Conditions of Carriage	
Name	Chem Code	Compat Group	No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery Category (Y or N)	Special Requirements in 46 CFR 151 General and Matis of Construction	Insp. Period	

Methyl heptyl ketone	MHK	18	D	D	A	Yes	1	
Methyl isobutyl ketone	MIK	18	2	D	C	A	Yes	1
Methyl naphthalene (molten)	MNA	32	D	E	A	Yes	1	
Mineral spirits	MNS	33	D	D	A	Yes	1	
Myrcene	MRE	30	D	D	A	Yes	1	
Naphtha: Heavy	NAG	33	D	#	A	Yes	1	
Naphtha: Petroleum	PTN	33	D	#	A	Yes	1	
Naphtha: Solvent	NSV	33	D	D	A	Yes	1	
Naphtha: Stoddard solvent	NSS	33	D	D	A	Yes	1	
Naphtha: Varnish makers and painters (75%)	NVM	33	D	C	A	Yes	1	
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D	A	Yes	1	
Nonene (all isomers)	NON	30	D	D	A	Yes	2	
Nonyl alcohol (all isomers)	NNS	20	2	D	E	A	Yes	1
Nonyl phenol	NNP	21	D	E	A	Yes	1	
Nonyl phenol poly(4-ethoxylates	NPE	40	D	E	A	Yes	1	
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	C	A	Yes	1	
Octanoic acid (all isomers)	OAY	4	D	E	A	Yes	1	
Octanol (all isomers)	OCX	20	2	D	E	A	Yes	1
Octene (all isomers)	OTX	30	D	C	A	Yes	2	
Oil, fuel: No. 2	OTW	33	D	D/E	A	Yes	1	
Oil, fuel: No. 2-D	OTD	33	D	D	A	Yes	1	
Oil, fuel: No. 4	OFR	33	D	D/E	A	Yes	1	
Oil, fuel: No. 5	OFV	33	D	D/E	A	Yes	1	
Oil, fuel: No. 6	OSX	33	D	E	A	Yes	1	
Oil, misc: Crude	OIL	33	D	A/D	A	Yes	1	
Oil, misc: Diesel	ODS	33	D	D/E	A	Yes	1	
Oil, misc: Gas, high pour	OGP	33	D	E	A	Yes	1	
Oil, misc: Lubricating	OLB	33	D	E	A	Yes	1	
Oil, misc: Residual	ORL	33	D	E	A	Yes	1	
Oil, misc: Turbine	OTB	33	D	E	A	Yes	1	
Pentane (all isomers)	PTY	31	D	A	A	Yes	5	
Pentene (all isomers)	PTX	30	D	A	A	Yes	5	
n-Propyl propionate	PPE	34	D	D	A	Yes	1	
alpha-Pinene	PIO	30	D	D	A	Yes	1	
beta-Pinene	PIP	30	D	D	A	Yes	1	
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E	A	Yes	1	
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAF	34	D	E	A	Yes	1	
Polybutene	PLB	30	D	E	A	Yes	1	
Polypropylene glycol	PGC	40	D	E	A	Yes	1	
iso-Propyl acetate	IAC	34	D	C	A	Yes	1	

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Vessel Name: **CBC 381**

Official #: 1243656

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Hull #: C-1014

Shipyard: CONRAD INDUSTRIES, INC.

Certificate of Inspection

Cargo Authority Attachment

Department of Homeland Security
United States Coast Guard

Serial #: C-1701073
Dated: 27-Mar-17

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

n-Propyl acetate	PAT	34	D	C	A	Yes	1				
iso-Propyl alcohol	IPA	20 2	D	C	A	Yes	1				
n-Propyl alcohol	PAL	20 2	D	C	A	Yes	1				
Propylbenzene (all isomers)	PBY	32	D	D	A	Yes	1				
iso-Propylcyclohexane	IPX	31	D	D	A	Yes	1				
Propylene glycol	PPG	20 2	D	E	A	Yes	1				
Propylene glycol methyl ether acetate	PGN	34	D	D	A	Yes	1				
Propylene tetramer	PTT	30	D	D	A	Yes	1				
Sulfolane	SFL	39	D	E	A	Yes	1				
Tetraethylene glycol	TTG	40	D	E	A	Yes	1				
Tetrahydronaphthalene	THN	32	D	E	A	Yes	1				
Toluene	TOL	32	D	C	A	Yes	1				
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E	A	Yes	1				
Triethylbenzene	TEB	32	D	E	A	Yes	1				
Triethylene glycol	TEG	40	D	E	A	Yes	1				
Triethyl phosphate	TPS	34	D	E	A	Yes	1				
Trimethylbenzene (all isomers)	TRE	32	D	{D}	A	Yes	1				
Trixylenyl phosphate	TRP	34	D	E	A	Yes	1				
Undecene	UDC	30	D	D/E	A	Yes	1				
1-Undecyl alcohol	UND	20	D	E	A	Yes	1				
Xylenes (ortho-, meta-, para-)	XLX	32	D	D	A	Yes	1				

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Certificate of Inspection

Cargo Authority Attachment

Department of Homeland Security
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Serial #: C-1701073
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Vessel Name: CBC 381
Official #: 1243656

Shipyard: CONRAD IND
Hull #: C-1014

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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	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.
Note 1	Because of the very high reactivity or unusual compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (CG-3PSC-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20583-0001. Telephone (202) 372-1425.
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.
#	No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available.
NA	Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
I	Designated 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	Designated to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
III	Designated 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. No: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo.
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 approved by the MSC to control vapors of the specified cargo.
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. No: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo.
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 approved by the MSC to control vapors of the specified cargo.
VCS Category:	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-1) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(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 detonation arresters.
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1 cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.
Category 6	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.
Category 7	(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.

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