

Certification Date: 28 Jan 2020 Expiration Date: 28 Jan 2025

Certificate of Inspection

For ships on internation ages this certificate fulfills the recuirements of SOLAS 74 as amonded, regulation V/14, for a SAFE MANNING DOCUMENT Vessel Name Official Number MO Number Call Sign Service **CBC 396** 1257747 Tank Barge Hailing Port Hull Moterial Horsepower NEW ORLEANS, LA Propulsion Steel **UNITED STATES** Place Built **Delivery Date** Keel Laid Date Gross Tons Net Tops DWT Length AMELIA, LA R-1819 R-1610 R 297 5 21Jan2015 14Oct2014 1-0 UNITED STATES CANAL BARGE COMPANY INC CANAL BARGE COMPANY INC. 1801 ENGINEER ROAD 1801 Engineers Road BELLE CHASSE, LA 70037 Belle Chase, LA 70037 UNITED STATES **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 **O Licensed Mates** 0 Chief Engineers **O 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 **O 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 (L2) MILES FROM SHORE BETWEEN ST. MARKS AND CARPABELLE, FLORIDA. THIS VESSEL HAS EVEN GRANTED A FRESH WATER SERVICE EXAMINATION INTERVAL IN ACCORDANCE WITH 46 CFR 31.10-22(a) (2); IF THIS VESSEL IS OPERATED IN SALT WATER MORE THAN SIX (6) MONTHS IN ANY IMPLIED IN WRITING AS SOON AS THIS VESSEL MUST BE INSPECTED USING SALT WATER INTERVALS 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 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.

Date Zone A/P/R Signature

26 MAR 2021 TRS IP Chiente A Whofa

1-Feb-2022 Canalbarge P Chien Rlund

26 Nov 2022 TRSSP Chiens A Milanus Canalbarge

Annual/Periodic/Re-Inspection

This Amended certificate issued by

B. T. INAGAKI, GS-13, USCG By direction

Officer in Charge, Marine Inspection

Marine Safety Unit Port Arthur

Impedien Zone

USCG



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UNITED STATES				ŀ	j-		1-0
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MILED STATES			UNI"	ED STATE	S		
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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	Offic	cial Number	IMO Num	рег	Call Sign	Service		
CBC 396	12	57747				Tank	Barge	
Hailing Port		Hull Material	Horse	power	Propulsion			
NEW ORLEANS, LA		Steel						
UNITED STATES								
UNITED STATES					HORSEL -		4.1	
			STANGE L	A Michigan	371412004	45 0 0		100
Place Built		Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length	
AMELIA, LA		21Jan2015	14Oct2014	R-1619	R-1619		R-297.5	
UNITED STATES				ļ-	l-		I-O	
Owner			Operato	DF			1500	Try and
CANAL BARGE COMPA	NY INC		CAN	AL BARGE	COMPANY I	NC		
1801 ENGINEER ROAD				Engineers		-0.00		
BELLE CHASSE, LA 700 UNITED STATES	037			Chase, LA ED STATE				
ONTED STATES			01111		and no.			
This vessel must be mann	ned with the follow	ving licensed	and unlicense	d Personne	I. Included in	which there r	nust be	
0 Certified Lifeboatmen, 0	Certified Tanke	rmen, 0 HSC	Type Rating,	and 0 GMD	SS Operators			
0 Masters	0 Licensed Mates	0 Chief	Engineers	0 0	ilers			
0 Chief Mates	0 First Class Pilo	ts 0 First	Assistant Enginee	rs		The		
0 Second Mates	0 Radio Officers		nd Assistant Engi					
0 Third Mates	0 Able Seamen		Assistant Engine	ers	1.05			
0 Master First Class Pilot	0 Ordinary Seam		sed Engineers		The state of the s			
0 Mate First Class Pilots	0 Deckhands		fied Member Engi			to orous and	na Othora	Total
In addition, this vessel ma Persons allowed: 0	ay carry 0 Passen	gers, 0 Othe	r Persons in cr	ew, u Perso	ons in addition	to crew, and	no Others.	Total

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 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 SALT WATER INTERVALS 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 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/Peri	odic/Re-Inspe	ction	This Amended certificate issued by B. T. INAGAKI, GS-13, GSCG, By direction
Zone	A/P/R	Signature	B. T. INAGAKI, GS-13, OSCG, By direction
			Officer in Charge, Marine Inspection
			Marine Safety Unit Port Arthur
			Inspection Zone
			Annual/Periodic/Re-Inspection  Zone A/P/R Signature



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# Certificate of Inspection

(TBSIP). INSPECTION ACTIVITIES ABOARD THIS BARGE SHALL BE CONDUCTED PER ITS TANK BARGE ACTION PLAN (TAP). INSPECTION ISSUES CONCERNING THIS BARGE SHOULD BE DIRECTED TO OCMI SECTOR NEW ORLEANS.

#### ---Hull Exams---

Exam Type

Next Exam

Last Exam

Prior Exam

DryDock

21Jan2015

21Jan2025

15Jan2015

Internal Structure

31Jan2025

28Jan2020

## --- 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

29300

Barrels

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	817	12.5
2 P/S	814	12.5
3 P/S	682	12.5

### \*Loading Constraints - Stability\*

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	4406	11ft Oin	12.5	
11 101 500 31	3723	9ft 8in	. 12.5	THE PROPERTY OF THE PARTY OF TH

## \*Conditions Of Carriage\*

ONLY THOSE SPECIFIED HAZARDOUS CARGOES NAMED IN THE VESSEL'S CARGO AUTHORITY ATTACHMENT (CAA), SERIAL # C1-1403127, DATED 18SEP14, MAY BE CARRIED. THE SPECIFIED HAZARDOUS CARGOES MAY BE CARRIED 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 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 # C1-1204161, DATED 25SEP12, AND FOUND ACCEPTABLE FOR COLLECTION OF BULK LIQUID CARGO VAPORS ANNOTATED WITH "YES" IN THE CAA'S VCS COLUMN.

THE VCS SYSTEM HAS BEEN APPROVED WITH A PRESSURE SIDE 1.5 PSIG P/V VALVE WITH COAST GUARD APPROVAL 162.017/144/3. THE CARGO TANK TOP IS SUITABLE FOR A MAWP OF 3 PSI.



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Vessel Name: CBC 396

PER 46 CFR 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.

### \*STABILITY AND TRIM\*

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.

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.

## --- Inspection Status ---

### \*Cargo Tanks\*

	Internal Exam			External Exa	m	
Tank Id	Previous	Last	Next	Previous	Last	Next
1 P/S		21Jan2015	21Jan2025			
2 P/S	4.00	21Jan2015	21Jan2025			14
3 P/S		21Jan2015	21Jan2025			2 <del>7</del> 40
			Hydro Test			
Tank Id	Safety Valves		Previous	Last	Next	
1 P/S			•			
2 P/S						
3 P/S	1		-	2 1874		

## ---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

### ---Certificate Amendments---

Unit Amending Amendment Date Amendment Remark

Marine Safety Unit Port Arthur 12Mar2020 ADDED TBSIP ENDORSEMENT.

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



Serial #: C1-1403127 Dated:

18-Sep-14

# Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CBC 396 Official #: 1257747

Shipyard: Conrad Hull #: C-1103

46	CF	R 151	Tank	Group	Cha	ıracte	eristics

Tank Group Information	Cargo I	dentificat	ion	H	Cargo		Tanks		Cargo Environmental Control		Fire	Special Requirements					
Trik Grp Tanks in Group	Density	Press.	Temp,	Hull Typ	Sea	Туре	Vent	Gauge	Pipe Class	Cont	Tanks		Protection Provided	General	Materials of Construction	Elec Haz	Temp Cont
A #1 P/S, #2 P/S, #3 P/S	12.5	Atmos,	Amb	П	1ii 2ii	Integral Gravity	PV	Closed	II .	G-1	NR	NA	Portable	.50-5, .50-5(d), .50-60, .50-70(a), .50-70(b), .50- 81(a),	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (d), (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 tanks.

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	n							Condi	itions of Carriage	G G G			
	Chem	Compat	Sub		Hull	Tank	Vapor Ri App'd	ecovery	Special Requirements in 46 CFR	Iper			
Name	Code	Group No		Grade	Туре	Group		Category	151 General and Mat'ls of				
Authorized Subchapter O Cargoes			4-14										
Acetonitrile	ATN	37	0	С	III	Α	Yes	3	No	G			
Acrylonitrile	ACN	15 <sup>2</sup>	0	С	Ш	Α	Yes	4	.50-70(a), .55-1(e)	G			
Adiponitrile	ADN	37	0	Ε	11	Α	Yes	1	No	G			
Alkyl(C7-C9) nitrates	AKN	34 2	0	NA	111	Α	No	N/A	50-81, .50-86	G			
Aminoethylethanolamine	AEE	8	0	Е	111	Α	Yes	1	,55-1(b)	G			
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	- 11	Α	No	N/A	No	G			
Benzene	BNZ	32	0	С	111	Α	Yes	1	.50-60	G			
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	внв	32 <sup>2</sup>	0	С	111	Α	Yes	1	.50-60	G			
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	ВНА	32 <sup>2</sup>	0	С	111	Α	Yes	1	,50-60, 56-1(b), (d), (f), (g)	G			
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	0	B/C	H	Α	Yes	1	.50-60	G			
Butyl acrylate (all isomers)	BAR	14	0	D	III	Α	Yes	2	50-70(a), 50-81(a), (b)	G			
Butyl methacrylate	ВМН	14	0	D	III	Α	Yes	2	.50-70(a), .50-81(a), (b)	G			
Butyraldehyde (all isomers)	BAE	19	0	С	III	Α	Yes	1	55-1(h)	G			
Camphor oil (light)	СРО	18	0	D	П	Α	No	N/A	No	G			
Chemical Oil (refined, containing phenolics)	COD	21	0	Е	П	Α	No	N/A	50-73	G			
Chlorobenzene	CRB	36	0	D	III	Α	Yes	1	No	G			
Chloroform	CRF	36	0	NA	III	Α	Yes	3	No	G			
Coal tar naphtha solvent	NCT	33	0	D	III	Α	Yes	1	.50-73	G			
Creosote	CCW	21 2	0	Ε	- 111	Α	Yes	1	No	G			
Cresols (all isomers)	CRS	21	0	Е	111	Α	Yes	1	No	G			
Cresylate spent caustic	CSC	5	0	NA	101	Α	No	N/A	50-73, 55-1(b)	G			
Cresylic acid tar	CRX	21	0	Е	III	Α	Yes	1	.55-1(f)	G			
Crotonaldehyde	CTA	19 <sup>2</sup>	0	С	Ш	Α	Yes	4	.55-1(h)	G			
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG		0	С	III	Α	Yes	1	No	G			
Cyclohexanone	ССН	18	0	D	III	Α	Yes	1	.56-1(a), (b)	G			
Cyclohexanone, Cyclohexanol mixture	CYX	18 <sup>2</sup>	0	E	III	Α	Yes	1	.56-1 (b)	G			
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	HI	Α	Yes	1	.50-60, .56-1(b)	G			
iso-Decyl acrylate	IAI	14	0	Е	III	Α	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)	G			
Dichlorobenzene (all isomers)	DBX	36	0	Е	III	Α	Yes	3	.56-1(a), (b)	G			
1,1-Dichloroethane	DCH	36	0	С	Ш	Α	Yes	1	No	G			
2,2'-Dichloroethyl ether	DEE	41	0	D	II	Α	Yes	1	,55-1(f)	G			
Dichloromethane	DCM	36	0	NA	111	Α	Yes	5	No	G			



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		10					Vapor R	ecovery		
Name	Chem	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 Mat'ls of	Insp. Period
1,1-Dichloropropane	DPB	36	0	С	III	Α	Yes	3	No	G
1,2-Dichloropropane	DPP	36	0	C	III	Α	Yes	3	No	G
1,3-Dichloropropane	DPC	36	0	С	111	Α	Yes	3	No	G
1,3-Dichloropropene	DPU	15	0	D	- 11	Α	Yes	4	No	G
Dichloropropene, Dichloropropane mixtures	DMX	15	0	С	- 11	Α	Yes	1	No	G
Diethanolamine	DEA	8	0	E	!!!	Α	Yes	1	.55-1(c)	G
Diethylamine	DEN	7	0	С	III	Α	Yes	3	55-1(c)	G
Diethylenetriamine	DET	7 2	0	Е	Ш	Α	Yes	1	55-1(c)	G
Diisobutylamine	DBU	7	0	D	III	Α	Yes	3	.55-1(c)	G
Diisopropanolamine	DIP	8	0	E	III	Α	Yes	1	.55-1(c)	G
Diisopropylamine	DIA	7	0	С	Н	Α	Yes	3	.55-1(c)	G
N,N-Dimethylacetamide	DAC	10	0	Е	111	Α	Yes	3	.56-1(b)	G
Dimethylformamide	DMF	10	0	D	111	Α	Yes	1	55-1(e)	G
Di-n-propylamine	DNA	7	0	С	- 11	Α	Yes	3	.55-1(c)	G
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	0	Е	III	Α	No	N/A	56-1(b)	G
Dodecyl diphenyl ether disulfonate solution	DOS	43	0	#	Ш	Α	No	N/A	No	G
EE Glycol Ether Mixture	EEG		0	D	III	Α	No	N/A	No	G
Ethanolamine	MEA		0	E	III	Α	Yes	1	.55-1(c)	G
Ethyl acrylate	EAC	14	0	С	111	A	Yes	2	50-70(a), .50-81(a), (b)	G
Ethylamine solution (72% or less)	EAN	7	0	A	11	A	No	N/A	.55-1(b)	G
N-Ethylbutylamine	EBA	7	0	D	- 111	A	Yes	3	.55-1(b)	G
N-Ethylcyclohexylamine	ECC	7	0	D	III	A			55-1(b)	G
	ETC	20	0	E	441		Yes	1	No	G
Ethylene cyanohydrin	EDA	7 2				A	Yes		55-1(c)	G
Ethylenediamine Ethylenediamine			0	D	111	A	Yes	1		
Ethylene dichloride	EDC		0	С	111	A	Yes	1	No	
Ethylene glycol hexyl ether	EGH		0	E	III	A	No	N/A	No	G
Ethylene glycol monoalkyl ethers	EGC	_	0	D/E	III	Α	Yes	1	No	G
Ethylene glycol propyl ether	EGP	40	0	E	III	A	Yes	1	No	G
2-Ethylhexyl acrylate	EAI	14	0	Ε	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Ethyl methacrylate	ETM		0	D/E	III	Α	Yes	2	50-70(a)	G
2-Ethyl-3-propylacrolein	EPA	19 <sup>2</sup>	0	E	III	Α	Yes	1	No	G
Formaldehyde solution (37% to 50%)	FMS	19 <sup>2</sup>	0	D/E	111	Α	Yes	1	.55-1(h)	G
Furfural	FFA	19	0	D	III	Α	Yes	1	.55-1(h)	G
Glutaraldehyde solution (50% or less)	GTA		0	NA	III	Α	No	N/A	No	G
Hexamethylenediamine solution	HMC	7	0	E	Ш	Α	Yes	1	55-1(c)	G
Hydrocarbon 5-9	HFN		0	С	111	Α	Yes	1	.50-70(a), .50-81(a), (b)	G
Isoprene	IPR	30	0	Α	III	Α	No	N/A	50-70(a), 50-81(a), (b)	G
Isoprene, Pentadiene mixture	IPN		0	В	III	Α	No	N/A	50-70(a), 55-1(c)	G
Mesityl oxide	MSO	18 <sup>2</sup>	0	D	III	Α	Yes	1	No	G
Methyl acrylate	MAM	1 14	0	С	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Methylcyclopentadiene dimer	MCK	30	0	С	III	Α	Yes	1	No	G
2-Methyl-5-ethylpyridine	MEP	9	0	Е	III	Α	Yes	1	.55-1(e)	G
Methyl methacrylate	MMN	1 14	0	С	III	Α	Yes	2	50-70(a), 50-81(a), (b)	G
2-Methylpyridine	MPR		0	D	111	Α	Yes	3	.55-1(c)	G
alpha-Methylstyrene	MSR		0	D	- 111	A	Yes	2	.50-70(a), .50-81(a), (b)	G
Morpholine	MPL		0	D	111	A	Yes	1	.55-1(c)	G
Nitroethane	NTE		0	D	11	A	No	N/A		G
1- or 2-Nitropropane	NPM		0	D	111	A	Yes	1	.50-81	G
Total Intropropation	INI IVI	76	0	J	411	^	ies			



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Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
1,3-Pentadiene	PDE	30	0	Α	111	Α	No	N/A	.50-70(a), 50-81	G
Polyethylene polyamines	PEB	7 2	0	E	40	Α	Yes	1	.55-1(e)	G
iso-Propanolamine	MPA	8	0	E	111	Α	Yes	1	,55-1(c)	G
iso-Propylamine	IPP	7	0	Α	11	Α	Yes	5	.55-1(c)	G
Pyridine	PRD	9	0	С	111	Α	Yes	1	,55-1(e)	G
Pyrolysis Gasoline	GPY	32	0	D	- II	Α	Yes	1	.50-5, .50-60	G
Sodium chlorate solution (50% or less)	SDD	0 1,2	0	NA	III	Α	No	N/A	.50-73	G
Sodium hypochlorite solution (20% or less)	SHQ	5	0	NA	HII	Α	No	N/A	.50-73, .56-1(a), (b)	G
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 1,2	0	NA	111	Α	Yes	1	.50-73, .55-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm) $$	SSI	0 1,2	0	NA	111	Α	No	N/A	.50-73, .55-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1,2	0	NA	- D	Α	No	N/A	50-73, 55-1(b)	G
Styrene (crude)	STX	30	0	D	Ш	Α	Yes	2	No	G
Styrene monomer	STY	30	0	D	Ш	Α	Yes	2	50-70(a), 50-81(a), (b)	G
Tetraethylenepentamine	TTP	7	0	Е	Ш	Α	Yes	1	.55-1(c)	G
Tetrahydrofuran	THF	41	0	С	Ш	Α	Yes	1	50-70(b)	G
o-Toluidine	TLI	9	0	Е	- 11	Α	Yes	3	50-5, 50-73	G
1,2,4-Trichlorobenzene	тсв	36	0	Е	III	Α	Yes	1	No	G
1,1,2-Trichloroethane	TCM	36	0	NA	III	Α	Yes	1	.50-73, .56-1(a)	G
Trichloroethylene	TCL	36 <sup>2</sup>	0	NA	111	Α	Yes	1	No	G
1,2,3-Trichloropropane	TCN	36	0	E	н	Α	Yes	3	.50-73, .56-1(a)	G
Triethanolamine	TEA	8 <sup>2</sup>	0	E	. 111	Α	Yes	1	.55-1(b)	G
Triethylamine	TEN	7	0	С	П	Α	Yes	3	55-1(e)	G
Triethylenetetramine	TET	7 2	0	Е	III	Α	Yes	1	55-1(b)	G
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	0	NA	III	Α	No	N/A	.56-1(b)	G
Vinyl acetate	VAM	13	0	С	III	Α	Yes	2	.50-70(a), 50-81(a), (b)	G
Vinyl neodecanate	VND	13	0	Е	III	Α	No	N/A	.50-70(a), .50-81(a), (b)	G
Subchapter D Cargoes Authorized for Vapor Contro	ol					- 1				
Acetone	ACT	18 <sup>2</sup>	D	С		Α	Yes	1		7 17
Acetophenone	ACP	18	D	Е		Α	Yes	1		
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	D	Е		Α	Yes	1		
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		Α	Yes	1		
Amyl acetate (all isomers)	AEC	34	D	D		Α	Yes	1		- 101
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D		Α	Yes	1		
Benzyl alcohol	BAL	21	D	Е		Α	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)	BFX	20	D	E		Α	Yes	1		
Butyl acetate (all isomers)	BAX	34	D	D		Α	Yes	1		
Butyl alcohol (iso-)	IAL	20 <sup>2</sup>	D	D		A	Yes	1		
Butyl alcohol (n-)	BAN	20 <sup>2</sup>	D	D		A	Yes	1		
Butyl alcohol (sec-)	BAS	20 <sup>2</sup>	D	С		A	Yes	1		
Butyl alcohol (tert-)	BAT	20 <sup>2</sup>	D	С		A	Yes	1		
Butyl benzyl phthalate	BPH	34	D	E		A	Yes	1		
				D		A	Yes	1		
	BUF	32	1,1							
Butyl toluene	BUE	32	D D							
	CLS CHX	32 22 31	D D	E C		A	Yes Yes	1		



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	1							Recovery	Tions of Garriage	_
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		Α	Yes	2		
p-Cymene	CMP	32	D	D		Α	Yes	1		New Y
iso-Decaldehyde	IDA	19	D	Е		Α	Yes	1		
n-Decaldehyde	DAL	19	D	E		Α	Yes	1		
Decene	DCE	30	D	D		Α	Yes	1		
Decyl alcohol (all isomers)	DAX	20 <sup>2</sup>	D	Е		Α	Yes	1		
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	Е		Α	Yes	1	Alle La Contraction	B 4 C C
Diacetone alcohol	DAA	20 <sup>2</sup>	D	D		Α	Yes	1		
ortho-Dibutyl phthalate	DPA	34	D	Е		Α	Yes	1		
Diethylbenzene	DEB	32	D	D		Α	Yes	1	Market Services	
Diethylene glycol	DEG	40 <sup>2</sup>	D	E		Α	Yes	1		
Diisobutylene	DBL	30	D	С		Α	Yes	1	A STATE OF THE STA	
Diisobutyl ketone	DIK	18	D	D		Α	Yes	1	THE PROPERTY OF THE PARTY OF TH	
Diisopropylbenzene (all isomers)	DIX	32	D	Е		Α	Yes	1		
Dimethyl phthalate	DTL	34	D	E		Α	Yes	1		A LOS
Dioctyl phthalate	DOP	34	D	Е		Α	Yes	1		
Dipentene	DPN	30	D	D		Α	Yes	1		
Diphenyl	DIL	32	D	D/E		Α	Yes	1		
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		Α	Yes	1		-
Diphenyl ether	DPE	41	D	{E}		Α	Yes	1		
Dipropylene glycol	DPG	40	D	E		Α	Yes	1		
Distillates: Flashed feed stocks	DFF	33	D	Е		Α	Yes	1		
Distillates: Straight run	DSR	33	D	Е		Α	Yes	1		
Dodecene (all isomers)	DOZ	30	D	D	_	Α	Yes	1		-
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	Ε		Α	Yes	1		-
2-Ethoxyethyl acetate	EEA	34	D	D		A	Yes	1	The second second	
Ethoxy triglycol (crude)	ETG	40	D	E		A	Yes	1		1.00
Ethyl acetate	ETA	34	D	С		Α	Yes	1		100
Ethyl acetoacetate	EAA	34	D	E		A	Yes	1		
Ethyl alcohol	EAL	20 <sup>2</sup>	D	С		A	Yes	1		-
Ethylbenzene	ETB	32	D	С		A	Yes	1		
Ethyl butanol	EBT	20	D	D	-	A	Yes	1		
Ethyl tert-butyl ether	EBE	41	D	С		A	Yes	1		
Ethyl butyrate	EBR	34	D	D	-	A	Yes	1	<del></del>	
Ethyl cyclohexane	ECY	31	D	D		A	Yes	1		
Ethylene glycol	EGL	20 2	D	E		A	Yes	1		-
Ethylene glycol butyl ether acetate	EMA	34	D	E		A	Yes	1		
Ethylene glycol diacetate	EGY	34	D	E		A	Yes	1		
Ethylene glycol phenyl ether	EPE	40	D	E		A	Yes	1		
Ethyl-3-ethoxypropionate	EEP	34	D	D		A	Yes	1		
2-Ethylhexanol	EHX	20	D	E		A	Yes	1		
Ethyl propionate	EPR	34	D	С						
Ethyl toluene	ETE	32	D	D		A	Yes	1		
Formamide						A	Yes	1		
	FAM	10	D	E		A	Yes	1		
Furfuryl alcohol  Gasoline blending stocks: Alkylates	FAL	20 2	D	E A/C		Α	Yes	1		
	GAK	33	D	A/C		A	Yes	1		
Gasoline blending stocks: Reformates	GRF	33	D	A/C		A	Yes	11		



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	N. N.							Recovery				
Name	Chem	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 Mat'ls of	Insp. Period		
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	С		Α	Yes	1		-		
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	С		Α	Yes	1		95		
Gasolines: Casinghead (natural)	GCS	33	D	A/C		Α	Yes	1				
Gasolines: Polymer	GPL	33	D	A/C		Α	Yes	1		-		
Gasolines: Straight run	GSR	33	D	A/C		Α	Yes	1		- "		
Glycerine	GCR	20 <sup>2</sup>	D	Е		Α	Yes	1				
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	С		Α	Yes	1				
Heptanoic acid	HEP	4	D	Е		Α	Yes	1	- L - U - PV			
Heptanol (all isomers)	HTX	20	D	D/E		Α	Yes	1				
Heptene (all isomers)	HPX	30	D	С		Α	Yes	2				
Heptyl acetate	HPE	34	D	Е		Α	Yes	1				
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 <sup>2</sup>	D	B/C		Α	Yes	1				
Hexanoic acid	нхо	4	D	Е		Α	Yes	1_				
Hexanol	HXN	20	D	D		Α	Yes	1				
Hexene (all isomers)	HEX	30	D	С		Α	Yes	2				
Hexylene glycol	HXG	20	D	E		Α	Yes	1				
Isophorone	IPH	18 <sup>2</sup>	D	E		Α	Yes	WIE 1 TO				
Jet fuel: JP-4	JPF	33	D	E	_	Α	Yes	1	34 - 11 - 2 - 1 - 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 <sup>2</sup>	D	С		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	С		A	Yes	1				
Methyl butyrate	MBU	34	D	C	-							
Methyl ethyl ketone	MEK	18 <sup>2</sup>	D	C		Α	Yes	1				
Methyl heptyl ketone	MHK	18	D	D	_	A	Yes	1				
Methyl isobutyl ketone	MIK	18 <sup>2</sup>	D	С		Α		1				
Methyl naphthalene (molten)	MNA	32		E		A	Yes	1		_		
Mineral spirits			D			Α	Yes	1				
Myrcene	MNS	33	D	D		A	Yes	1				
	MRE	30	D	D	_	A	Yes	1				
Naphtha: Heavy	NAG	33	D	#		Α	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		Α	Yes	1				
Naphtha: Varnish makers and painters (75%)	NVM	33	D	С		Α	Yes	1				
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		Α	Yes	1				
Nonene (all isomers)	NON	30	D	D		Α	Yes	2				
Nonyl alcohol (all isomers)	NNS	20 <sup>2</sup>	D	Е		Α	Yes	1				
Nonyl phenol	NNP	21	D	E		Α	Yes	1				
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	Е		Α	Yes	1				
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	С		Α	Yes	1				
Octanoic acid (all isomers)	OAY	4	D	Е		Α	Yes	1				
Octanol (all isomers)	OCX	20 <sup>2</sup>	D	E		Α	Yes	1				



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Cargo Identification						Conditions of Carriage					
	Chem Code	Compat	Sub	Grade	Hull	Tank	App'd	Recovery VCS	Special Requirements in 46 CFR	Insp.	
Name		Group No	Chapter		Туре	Group	(Y or N)	THE COMPACITO	151 General and Mat'ls of	Period	
Octene (all isomers)	ОТХ	30	D	С		Α	Yes	2			
Oil, fuel: No. 2	OTW	33	D	D/E		Α	Yes	1			
Oil, fuel: No. 2-D	OTD	33	D	D		Α	Yes	1			
Oil, fuel: No. 4	OFR	33	D	D/E		Α	Yes	1			
Oil, fuel: No. 5	OFV	33	D	D/E		Α	Yes	1			
Oil, fuel: No. 6	OSX	33	D	E		Α	Yes	1			
Oil, misc: Crude	OIL	33	D	A/D		Α	Yes	1			
Oil, misc: Diesel	ODS	33	D	D/E		Α	Yes	1			
Oil, misc: Gas, high pour	OGP	33	D	E		Α	Yes	1			
Oil, misc: Lubricating	OLB	33	D	E	-	Α	Yes	1			
Oll, misc: Residual	ORL	33	D	Ε		Α	Yes	1			
Oil, misc: Turbine	ОТВ	33	D	E		Α	Yes	1			
Pentane (all isomers)	PTY	31	D	Α		Α	Yes	5			
Pentene (all isomers)	PTX	30	D	Α		Α	Yes	5			
n-Pentyl propionate	PPE	34	D	D		Α	Yes	1			
alpha-Pinene	PIO	30	D	D		Α	Yes	1			
beta-Pinene	PIP	30	D	D		Α	Yes	1			
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E		Α	Yes	1			
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAF	34	D	E		Α	Yes	1			
Polybutene	PLB	30	D	E		Α	Yes	1			
Polypropylene glycol	PGC	40	D	Е		Α	Yes	1			
iso-Propyl acetate	IAC	34	D	С		Α	Yes	1			
n-Propyl acetate	PAT	34	D	С		Α	Yes	1			
iso-Propyl alcohol	IPA	20 <sup>2</sup>	D	С		Α	Yes	1			
n-Propyl alcohol	PAL	20 <sup>2</sup>	D	С		Α	Yes	1			
Propylbenzene (all isomers)	PBY	32	D	D		Α	Yes	1			
iso-Propylcyclohexane	IPX	31	D	D		Α	Yes	1			
Propylene glycol	PPG	20 <sup>2</sup>	D	Ε		Α	Yes	1			
Propylene glycol methyl ether acetate	PGN	34	D	D		Α	Yes	1			
Propylene tetramer	PTT	30	D	D		Α	Yes	1			
Sulfolane	SFL	39	D	E		Α	Yes	1			
Tetraethylene glycol	TTG	40	D	E		Α	Yes	1			
Tetrahydronaphthalene	THN	32	D	Е		Α	Yes	1		D. Jan	
Toluene	TOL	32	D	С		Α	Yes	1			
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	Е		Α	Yes	1			
Triethylbenzene	TEB	32	D	E		Α	Yes	1			
Triethylene glycol	TEG	40	D	E		Α	Yes	1			
Triethyl phosphate	TPS	34	D	E		Α	Yes	1			
Trimethylbenzene (all isomers)	TRE	32	D	{D}		Α	Yes	1			
Trixylenyl phosphate	TRP	34	D	E		Α	Yes	1			
Undecene	UDC	30	D	D/E		Α	Yes	1			
1-Undecyl alcohol	UND	20	D	E		Α	Yes	1			
1-OfficeCyl alcohol											



Serial #: C1-1403127

Dated: 18-Sep-14

# Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CBC 396 Official #: 1257747

Shipyard: Conrad Page 7 of 7 Hull #: C-1103

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

Cargo Identification

Name Chem Code

Compatability Group No.

Note 1 Note 2

Subchapter

Subchapter D Subchapter O

Grade

A, B, C D, E Note 4

Hull Type

NA Conditions of Carriage

Tank Group Vapor Recoven

Conditions of Carriage

Tank Group Vapor Recover Approved (Y or N)

> VCS Category Category 1

> > Category 2

Category 3 Category 4 Category 5

Category 6

requirement is in addition to the requirements of Category 1

Category 7 none

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 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.

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.

Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone

See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.

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.

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

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 camage 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

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 sufficeint hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).

Not applicable to barges certificated under Subchapter D

The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.

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

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

(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 1570, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.

(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 arrester.

(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

(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3, (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

(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5. (High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5

The cargo has not been evaluated/classified for use in vapor control systems