

16 Apr 2020 16 Apr 2025 Certification Date: Expiration Date:

Certificate of Inspection

	Official	. IMO No	umber	Call Sign	Service	
CBC 1381	1259381				Tank Barge	
lailing Port				Qtel		
NEW ORLEANS, LA	Hull M Ste	naterial	orsepower	Propulsion		
UNITED STATES	Sie	61				
		10000				Length
Place Built	Delivery	Date Keel Laid Date	Gross Tons	Net Tons	DWT	R-200.0
GALVESTON, TX	12.Jur	2015 06Mar201	5 R-735	R-735		10
UNITED STATES	***		ŀ			
Owner		Op	perator			
CANAL BARGE COMPA	NY INC	C	ANAL BARG	E COMPANY		
1801 ENGINEERS RD		1	801 ENGINE	SE, LA 70037		
BELLE CHASSE, LA 700 UNITED STATES	37		INITED STAT	res		
					Link thoro mu	st he
This vessel must be mann Certified Lifeboatmen, 0	ned with the following li	censed and unlice 0 HSC Type Rati	nsed Personi ng, and 0 GN	nel. Included in IDSS Operators	which there mu	3.00
0 Masters	0 Licensed Mates	0 Chief Engineers		0 Oilers		
0 Chief Mates	0 First Class Pilots	0 First Assistant En				
0 Second Mates	0 Radio Officers	0 Second Assistant				
0 Third Mates	0 Able Seamen	0 Third Assistant E				
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Enginee				
O Mate First Class Pilots		0 Qualified Member	Engineer	1.00	to arous and	no Others, Total
U Mate First Class Final	0 Deckhands ay carry 0 Passengers,	0 Other Persons	in crew, 0 Pe	ersons in addition	n to crew, and	
n addition, this vessel ma Persons allowed: 0						
Persons allowed: U		on:				
Route Permitted And C	Conditions Of Operati					
Route Permitted And C	Conditions Of Operati		es from sho	re between St	. Marks and C	arrabelle,
Route Permitted And CLakes, Bays, and	Conditions Of Operation d Sounds only not more than	twelve (12) mil	es from sho	re between St	. Marks and C	arrabelle,
Route Permitted And CLakes, Bays, and Also, in fair weather of	Conditions Of Operation of Sounds	twelve (12) mil	nation inte	rval in accor	dance with 46	CFR 31.10-21(a)
Route Permitted And CLakes, Bays, and Also, in fair weather of	Conditions Of Operation of Sounds	twelve (12) mil	nation inte	rval in accor	dance with 46	CFR 31.10-21(a)
Route Permitted And CoLakes, Bays, and Also, in fair weather of Florida. This vessel has been go if this vessel is	conditions Of Operation d Sounds only not more than ranted a fresh wate s operated in salt	twelve (12) mil	nation inte	rval in accor	dance with 46	CFR 31.10-21(a)
Route Permitted And CoLakes, Bays, and Also, in fair weather of Florida. This vessel has been go if this vessel is	conditions Of Operation d Sounds only not more than ranted a fresh wate s operated in salt	twelve (12) mil	nation inte	rval in accor	dance with 46	CFR 31.10-21(a)
Route Permitted And CoLakes, Bays, and Also, in fair weather of Florida. This vessel has been go (2). If this vessel is inspected using salt we soon as this change in	conditions Of Operation of Sounds only not more than ranted a fresh water operated in salt rater intervals per status occurs.	twelve (12) mil r service exami water more than 46 CFR 31.10-21	nation intended to the control of th	erval in accor in any 12 mont the cognizant	dance with 46	CFR 31.10-21(a)
Route Permitted And CoLakes, Bays, and Also, in fair weather of this vessel has been go (2). If this vessel is inspected using salt we soon as this change in	conditions Of Operation of Sounds only not more than ranted a fresh water operated in salt ater intervals per status occurs.	twelve (12) mil r service exami water more than 46 CFR 31.10-21	nation intended to the following intended in	erval in accor in any 12 mont the cognizant	dance with 46 h period, the OCMI notific	c CFR 31.10-21(a) e vessel must be ed in writing as
Route Permitted And CoLakes, Bays, and Also, in fair weather of Florida. This vessel has been go (2). If this vessel is inspected using salt we soon as this change in	conditions Of Operation of Sounds only not more than ranted a fresh water operated in salt rater intervals per status occurs.	twelve (12) mil	nation intended to the control of th	erval in according any 12 mont the cognizant	dance with 46 h period, the OCMI notific	e vessel must be ed in writing as
Route Permitted And CoLakes, Bays, and Also, in fair weather of the Permitted And CoLakes, Bays, and Also, in fair weather of the Permitted And Co	conditions Of Operation of Sounds only not more than ranted a fresh water operated in salt rater intervals per status occurs.	twelve (12) mil	nation intended to the control of th	erval in according any 12 mont the cognizant	dance with 46 h period, the OCMI notific	e vessel must be ed in writing as
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Route Permitted And Con-Lakes, Bays, and Also, in fair weather of this vessel has been good as this vessel in the conspected using salt we soon as this change in the conspection, Sector New Of the rules and regulations of the conspection of	conditions Of Operation of Sounds only not more than ranted a fresh water operated in salt attraction in the status occurs. COR ADDITIONAL Continuous certification having been or prescribed thereunder operation of the status occurs.	er service examinates water more than 46 CFR 31.10-21 ERTIFICATE IN the completed at Nessel, in all respective.	IFORMATION IN COMPANY OF THE COMPANY	on any 12 mont the cognizant ON*** LA, UNITED Sommity with the rtificate issuer	TATES, the Capplicable ves	e vessel must be ed in writing as
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Certification Date: 16 Apr 2020 Expiration Date: 16 Apr 2025

Certificate of Inspection

as amended, regulation V/14, for a SAFE MANNING DOCUMENT. Vessel Name Official Number IMO Number Call Sign Service **CBC 1381** 1259381 Tank Barge Hailing Port Hull Material NEW ORLEANS, LA Horsepower Propulsion Steel UNITED STATES Place Built Delivery Date Keel Laid Date Gross Tons Net Tons DWT GALVESTON, TX Length R-735 R-735 R-200.0 12Jun2015 06Mar2015 UNITED STATES Operator CANAL BARGE COMPANY INC CANAL BARGE COMPANY 1801 ENGINEERS RD 1801 ENGINEERS ROAD BELLE CHASSE, LA 70037 BELLE CHASSE, 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 0 Licensed Mates 0 Chief Engineers 0 Oilers 0 Chief Mates 0 First Class Pilots 0 First Assistant Engineers 0 Second Mates 0 Radio Officers 0 Second Assistant Engineers 0 Third Mates 0 Able Seamen 0 Third Assistant Engineers 0 Master First Class Pilot 0 Ordinary Seamen 0 Licensed Engineers 0 Mate First Class Pilots 0 Deckhands 0 Qualified Member Engineer In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Total Persons allowed: 0 Route Permitted And Conditions Of Operation: --- Lakes, Bays, and Sounds---Also, in fair weather only not more than twelve (12) miles from shore between St. Marks and Carrabelle, 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 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 New Orleans, LA, UNITED STATES, the Officer in Charge, Marine Inspection, Sector New Orleans certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder. Annual/Periodic/Re-Inspection This certificate issued by: Date Zone A/P/R Signature M.N. OOCHRAN COMMANDER, by direction

Officer in Charge, Marine Inspection

Inspection Zone

Sector New Orleans

24 June 22 7655P Chiciso

Cons/Ban

29 March 2021



Certification Date: 16 Apr 2020 Expiration Date: 16 Apr 2025

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			Official Number	IMO Num	ber	Call Sign	Service		
CBC 1381			1259381				Tank I	Barge	
Hailing Port		_	A Total A A - A						
NEW ORLE	ANS, LA		Hull Material Steel	Horse	epower	Propulsion			
UNITED STA	ATES								
Place Built			Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length	
GALVESTO	N, TX		12Jun2015	06Mar2015	R-735	R-735		R-200.0	
UNITED STA	ATES		1254112515	001111111111111111111111111111111111111	l-	l-		I-O	
Owner CANAL BAR	GE COMPANY	/ INC		Operato CAN		COMPANY			
1801 ENGIN BELLE CHAS UNITED STA	SSE, LA 70037	7		BELI	ENGINEEI E CHASSE ED STATE	E, LA 70037			
			ollowing licensed okermen, 0 HSC				hich there m	nust be	
0 Masters		0 Licensed M	ates 0 Chief	Engineers	0 0	ilers			
0 Chief Mate	s	0 First Class	Pilots 0 First /	Assistant Enginee	rs				
0 Second Ma	ates	0 Radio Offic	ers 0 Secon	nd Assistant Engir	neers				
0 Third Mate	s	0 Able Seame	en 0 Third	Assistant Engine	ers				
0 Master Fire	t Class Pilot	0 Ordinary Se	eamen 0 Licen	sed Engineers					
0 Mate First	Class Pilots	0 Deckhands	0 Qualit	fied Member Engi	neer				
In addition, the Persons allow		arry 0 Pas	sengers, 0 Other	Persons in cre	ew, 0 Perso	ns in addition t	o crew, and	no Others. Total	
Route Perm	nitted And Con	ditions Of	Operation:						
Lakes.	Bays, and S	Sounds-							
			e than twelve	(12) miles fr	om shore b	oetween St. Ma	arks and Ca	rrabelle,	
(2). If this inspected us	s vessel is o	operated in er interval	n salt water m ls per 46 CFR	ore than 6 mc	nths in an	y 12 month pe	eriod, the	CFR 31.10-21(a) vessel must be in writing as	
SEE NEX	KT PAGE FOR	R ADDITIO	NAL CERTIFIC	ATE INFORM	MATION				
Inspection, Se	ector New Orle	ans certified	d the vessel, in a					er in Charge, Marin inspection laws and	
the rules and		iodic/Re-Ins		Т	nis certific	e issued by:	11/1/		
the rules and	Alliuai/F eli				A 400 A 500 A	and the second s	and the second second		
			Signatu	re	MNC	OCHRAN CO	MMANDED	by direction	
Date	Zone	A/P/R	Signatu	_		OCHRAN CO	MMANDER	, by direction	
		A/P/R		_	M.N. C	arine Inspection	MMANDER lew Orleans		



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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			Official Number	IMO Num	ber	Call Sign	Servi	ce
CBC 1381			1259381				Tar	nk Barge
							Tai	ik barge
Hailing Port								
NEW ORLE	AND LA		Hull Material	Hors	epower	Propulsion		
NEW ORLE	ANS, LA		Steel					
UNITED ST	ATEC		0.001					
OMILD 31	AIES							
Place Built	AL TV		Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
GALVESTO	IN, TX		12Jun2015	06Mar2015	R-735	R-735		R-200.0
UNITED ST	ATES		1204112010	00111412010	I-	I-		1-0
Owner								
	RGE COMPAN	/ INC		Operato CAN		COMPANY		
1801 ENGIN	IEERS RD				ENGINEE			
	SSE, LA 70037	7				E, LA 70037	E.	
UNITED STA	ATES			UNIT	ED STATE	S		
This vessel n	nust he manne	with the fo	llowing licensed	and unlinear	1 D			
0 Certified Li	feboatmen, 0 C	ertified Tan	llowing licensed kermen, 0 HSC	Type Rating,	d Personnel and 0 GMD:	Included in S S Operators	which there	e must be
0 Masters		0 Licensed Ma		Engineers		ilers		
0 Chief Mate	es -	0 First Class I		Assistant Enginee				
0 Second Ma	ates	0 Radio Office		nd Assistant Engli				
0 Third Mate	es	0 Able Seame		Assistant Engine				
0 Master Fire	st Class Pilot	0 Ordinary Se		sed Engineers				
0 Mate First		0 Deckhands		fied Member Engi	neer			
In addition, the Persons allow	nis vessel may owed: 0	carry 0 Pass				ns in addition	to crew, a	nd no Others. Total
Route Pern	nitted And Cor	ditions Of	Operation:					
	Bays, and							
Also, in far Florida.	ir weather onl	ly not more	e than twelve	(12) miles fr	om shore b	etween St. M	Marks and	Carrabelle,
This vessel	has been gran	nted a fres	sh water servi	ce examinatio	n interval	in accordan	nce with 4	6 CFR 31.10-21(a)
(4) - II LII.	TO AERRET TR (operated in	1 Salt water mo	ore than 6 mo	nthe in an	17 12 manth -	and ha	
soon as this	s change in st	atus occur	s per 40 Crk .	31.1U-21(a)(1) and the	cognizant OC	MI notifi	ed in writing as
			NAL CERTIFIC					
With this Insp	ection for Certif	fication havi	ng been comple	ted at New Or	leans, LA, L	NITED STAT	ES, the O	fficer in Charge, Marine
inspection, 50	ector new Orlea	ans certified	the vessel, in a	Il respects, is in	n conformity	with the appli	icable yes	sel inspection laws and
uic iuics aiid	regulations pre Annual/Peri	scribed iner	eunder.	-	- 1	1 111-	1111	
Date					nis certificate	6 711	Callo	
Date	Zone	A/P/R	Signatur				DMIMANDE	R, by direction
				Offi	cer in Charge, Mar			
	1			_		Sector I	New Orlea	ns
				Ins	pection Zone			



Certification Date: 16 Apr 2020 **Expiration Date:** 16 Apr 2025

Certificate of Inspection

Vessel Name: CBC 1381

This tank barge is participating in the Eighth-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. Inspection issues concerning this barge should be directed to New Orleans OCMI.

---Hull Exams---

Exam Type

Next Exam

Last Exam

Prior Exam

DryDock

12Jun2025

12Jun2015

Internal Structure

30Apr2025

16Apr2020

12Jun2015

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

Authorization:

Grade A and Lower and specified hazardous cargoes.

Total Capacity

Highest Grade Type Part151 Regulated Part153 Regulated

Part154 Regulated

11337

Yes

No

No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1C	577	14.07
2C	670	14.07
3C \	599	14.07

Loading Constraints - Stability

	Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
	1	1441	9ft 0in	13.32	Rivers/Lakes, Bays, and Sounds
1	1	1441	9ft 0in	14.07	Rivers
	II	1531	9ft 5in	13.32	Rivers/Lakes, Bays, and Sounds
	II	1549	9ft 6in	14.07	Rivers
l	III	1657	10ft 0in	13.32	Rivers
١	III	1765	10ft 6in	11.58	Rivers

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial C1-1501887, dated April 30, 2015 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 that 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 compatibility group numbers from the "COMPAT GRP" 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.

Cargo tanks must be loaded uniformly whenever a 46 CFR Subchapter "O" cargo is carried; for trim purposes, the weight of cargo in each tank may exceed the uniformly loaded tank cargo weight by at most 5 percent.

The maximum density of cargo which may be filled to the tank top is 8.74 lbs/gal. Cargoes with higher densities, up to 14.07

^{*}Stability and Trim*



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Certificate of Inspection

Vessel Name: CBC 1381

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

Vapor Control Authorization

In accordance with 46 CFR 39, excluding 46 CFR 39.4000, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letter Serial C1-1501887 dated April 30, 2015 and the list of authorized cargoes on the CAA, Serial C1-1501887 dated April 30, 2015 and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

--- Inspection Status ---

Cargo Tanks

	Internal Exa	m		External Ex	am	
Tank Id	Previous	Last	Next	Previous	Last	Next
1C	148	12Jun2015	12Jun2025	-	11.5	2.
2C		12Jun2015	12Jun2025			
3C	4	12Jun2015	12Jun2025		4	U,
			Hydro Test			
Tank Id	Safety Valv	es	Previous	Last	Next	
1C	*		5.			
2C	-		-	-		
3C	(a)		_	_	2	

---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



Serial #: C1-1501887 Dated:

30-Apr-15

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CBC 1381 Official #: 1259381

Shipyard: Southwest Shipyard

(c), (d), (e), (f), (g),

Hull #: 9740

.50-70(a), .50-70(b), .50-73,

46 CFR 151 Tank	Group	Chara	cteris	tics													
Tank Group Information	Cargo I	dentificat	ion		Cargo		Tanks		Carg Tran		Environ Control	nmental	Fire	Special Require	ments		
Tnk Grp Tanks in Group	Density	Press.	Temp.	Hull Typ	Sec	Туре	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Protection Provided	General	Materials of Construction	Elec Haz	
A 1C, 2C, 3C	14.07	Atmos.	Amb.	I	1ii 2ii	Integral Gravity	PV	Closed	II	G-1	NR	NA	Portable	40-1(f)(1), .50-60, .50-70(a), .50-	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b),	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.

List of Authorized Cargoes

Cargo Identification	n						- 2	Condi	tions of Carriage	
		1				1	Vapor Re			
Name	Chem	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
Authorized Subchapter O Cargoes										
Acetonitrile	ATN	37	0	С	III	Α	Yes	3	No	G
Acrylonitrile	ACN	15 ²	0	С	II.	Α	Yes	4	.50-70(a), 55-1(e)	G
Adiponitrile	ADN	37	0	Ė	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	E	111	А	Yes	1	55-1(b)	G
Ammonium bisulfite solution (70% or less)	ABX	43 2	0	NA	111	A	No	N/A	50-73, .56-1(a), (b), (c)	G
Ammonium hydroxide (28% or less NH3)	AMH	6	0	NA	III	Α	No	N/A	,56-1(a), (b), (c), (f), (g)	G
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	П	Α	No	N/A	No	G
Benzene	BNZ	32	0	С	111	Α	Yes	1	150-60	G
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	внв	32 ²	0	С	III	Α	Yes	1	.50-60	G
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	ВНА	32 ²	0	С	m	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	111	Α	Yes	1	.50-60	G
Butyl acrylate (all isomers)	BAR	14	0	D	111	А	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)	CPO	18	0	D	II	Α	No	N/A	No	G
Carbon tetrachloride	CBT	36	0	NA	III	Α	No	N/A	No	G
Caustic potash solution	CPS	5 ²	0	NA	III	Α	No	N/A	.50-73, .55-1(j)	G
Caustic soda solution	CSS	5 2	0	NA	Ш	Α	No	N/A	.50-73, .55-1(j)	G
Chemical Oil (refined, containing phenolics)	COD	21	0	Е	II	А	No	N/A	,50-73	G
Chlorobenzene	CRB	36	0	D	111	* A	Yes	1	No	G
Chloroform	CRF	36	0	NA	111	Α	Yes	3	No	G
Coal tar naphtha solvent	NCT	33	0	D	III	А	Yes	1	.50-73	G
Creosote	CCV	V 21 ²	0	E	III	Α	Yes	1	No	G
Cresols (all isomers)	CRS	21	0	E	III	Α	Yes	1	No :	G
Cresylate spent caustic	CSC	5	0	NA	III	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 ²	0	С	- 11	Α	Yes	4	.55-1(h)	G
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG	;	0	С	III	А	Yes	1	No	G
Cyclohexanone	ССН	18	0	D	III	А	Yes	1	.56-1(a), (b)	G
Cyclohexanone, Cyclohexanol mixture	CYX	18 ²	0	Е	101	Α	Yes	1	.56-1 (b)	G
Cyclohexylamine	СНА		0	D	111	Α	Yes		.56-1(a), (b), (c), (g)	G
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	Ш	A	Yes	1	.50-60, .56-1(b)	G

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

^{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.



Serial #: C1-1501887

30-Apr-15

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CBC 1381 Official #: 1259381

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Shipyard: Southwest Shipyard

Cargo Identificatio	n						(Condi	S Special Requirements in 46 CFR Integral 151 General and Mat'ls of 2 .50-70(a), .50-81(a), (b), .55-1(c) 3 .50-1(a), (b) 4 No 6 1 .55-1(f) 6 .55-1(f)				
								ecovery					
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category		Insp. Period			
iso-Decyl adrylate	IAI	14	0	E	Ш	А	Yes	2	.50-70(a), 50-81(a), (b), 55-1(c)	G			
Dichlorobenzene (all isomers)	DBX	36	0	E	337	Α	Yes	3	56-1(a), (b)	G			
1,1-Dichloroethane	DCH	36	0	С	111	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	III	Α	Yes	5	No	G			
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	E	III	Α	No	N/A	56-1(a), (b), (c), (g)	G			
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2	0	Α	Ш	Α	No	N/A	.56-1(a), (b), (c), (g)	G			
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 2	0	E	III	Α	No	N/A	56-1(a), (b), (c), (g)	G			
1,1-Dichloropropane	DPB	36	0	С	111	Α	Yes	3	No	G			
1,2-Dichloropropane	DPP	36	0	С	10	Α	Yes	3	No	G			
1,3-Dichloropropane	DPC	36	0	С	III	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	II	Α	Yes	1	No	G			
Diethanolamine	DEA		0	E	111	A	Yes	1	.55-1(o)	G			
Diethylamine	DEN		0	C	III	Α	Yes	3	.55-1(c)	G			
Diethylenetriamine	DET	7 2	0	E	. 111	A	Yes	1	.\$5-1(c)	G			
Diisobutylamine	DBU		0	D	III	A	Yes	3	.55-1(c)	G			
Diisopropanolamine	DIP	8	0	E	111	A	Yes	1	\$5-1(c)	G			
Dilsopropylamine	DIA	7	0	C	II	A	Yes	3	.\$5-1(c)	G			
N,N-Dimethylacetamide	DAC		0	E	111	A	Yes	3	50-1(b)	G			
Dimethylethanolamine	DME		0	D	111	_		1	.56-1(b), (c)	G			
Dimethylformamide			0			A	Yes		.55-1(e)	G			
Di-n-propylamine	DMF		_	D	111	A	Yes	1	.55-1(c)	G			
	DNA		0	С	11	A	Yes	3		G			
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT		0	E	III	A	No	N/A	The state of the s				
Dodecyl diphenyl ether disulfonate solution	DOS		0	#	- 10	A	No	N/A		G			
EE Glycol Ether Mixture	EEG		0	D	111	A	No	N/A		G			
Ethanolamine	MEA		0	Ε	III	A	Yes	1	.55-1(c)	G			
Ethyl acrylate	EAC		0	С	111	Α	Yes	2	.50-70(a), 50-81(a), (b)	G			
Ethylamine solution (72% or less)	EAN		0	Α	II	Α	No	N/A		G			
N-Ethylbutylamine	EBA		0	D	[[]	A	Yes	3	.55-1(b)	G			
N-Ethylcyclohexylamine	ECC		0	D	III	A	Yes	1	.55-1(b)	G			
Ethylène cyanohydrin	ETC		0	E	III	Α	Yes	1	No	G			
Ethylenediamine	EDA		0	D	III	Α	Yes	1	.55-1(c)	G			
Ethylene dichloride	EDC		0	С	Ш	Α	Yes	1	No	G			
Ethylene glycol hexyl ether	EGF	1 40	0	E	[[]	Α	No	N/A		G			
Ethylene glycol monoalkyl ethers	EGO	40	0	D/E		Α	Yes	1	No	G			
Ethylene glycol propyl ether	EGF	40	0	E	III	Α	Yes	1	No	G			
2-Ethylhexyl acrylate	EAI	14	0	Ε	III	Α	Yes	2	.50-70(a), 50-81(a), (b)	G			
Ethyl methacrylate	ETM	1 14	0	D/E	III	Α	Yes	2	.50-70(a)	G			
2-Ethyl-3-propylacrolein	EPA	19 2	0	E	111	Α	Yes	1	No	G			
Formaldehyde solution (37% to 50%)	FMS	19 2	0	D/E	III	Α	Yes	1	.55-1(h)	G			
Furfural	FFA	19	0	D	.111	Α	Yes	1	.65-1(h)	G			
Glutaraldehyde solution (50% or less)	GTA	19	0	NA	.01	Α	No	N/A	No	G			
Hexamethylenediamine solution	HMC	7	0	E	III	Α	Yes	1	,55-1(c)	G			
Hexamethyleneimine	НМІ	7	0	C .	II	Α	Yes	1	.56-1(b), (c)	G			
Hydrocarbon 5-9	HFN	1	0	С	III	Α	Yes		,50-70(a), 50-81(a), (b)	G			
Isoprene	IPR	30	0	Α	10	А	No	N/A	.50-70(a), .50-81(a), (b)	G			
Isoprene, Pentadiene mixture	IPN		0	В	101	Α	No	N/A		G			



Certificate of Inspection

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Shipyard: Southwest Shipyard

Dated:

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30-Apr-15

A Lt crm is	MSO 18 2 O D III A Yes 1 No G ate MAM 14 O C III A Yes 1 No G entadiene dimer MCK 30 O C III A Yes 1 No G entadiene dimer MDE 8 O E III A Yes 1 56-1(b), (c) G entadiene MEP 9 O E III A Yes 1 55-1(e) G encrylate MMM 14 O C III A Yes 2 50-70(a), 50-81(a), (b) G encrylate MMM 14 O C III A Yes 3 55-1(e) G encrylate MPR 9 O D III A Yes 3 55-1(e) G									
Cargo Identification							(Condi	tions of Carriage	
Name				Grade			App'd	VCS	Special Requirements in 46 CFR 151 General and Mat'ls of	
raft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	0	NA	111	А	No	N/A	.50-73, .56-1(a), (c), (g)	G
lesityl oxide	MSQ	18 ²	0	D	101	Α	Yes	1	No	G
lethyl acrylate	MAM	14	0	С				2	.50-70(a), _50-81(a), (b)	G
lethylcyclopentadiene dimer	MCK	30	0	С	111	Α	Yes	1	No	G
lethyl diethanolamine	MDE	8	0	E	111	Α	Yes	1	.56-1(b), (c)	G
-Methyl-5-ethylpyridine	MEP	9	0	Е	111	Α	Yes	1	55-1(e)	G
lethyl methacrylate	MMN	1 14	0	С		Α			,50-70(a), 50-81(a), (b)	G
-Methylpyridine	MPR	9	0	D	Ш	Α		_	.55-1(c)	G
lpha-Methylstyrene	MSR	30	0	D	III	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Morpholine	MPL	72	0	D	III	Α	Yes	1	.56-1(c)	G
litroethane	NTE	42	0	D	11	Α	No	N/A	50-81, 56-1(b)	G
- or 2-Nitropropane	NPM	42	0	D	101	A	Yes	1	.50-81	G
,3-Pentadiene	PDE	30	0	Α	111	A	No	N/A	50-70(a), .50-81	G
Perchloroethylene	PER	36	0	NA	III	A	No	N/A		G
olyethylene polyamines	PEB	72	0	E	111	Α	Yes	1	.55-1(e)	G
so-Propanolamine	MPA	8	0	E	111	A	Yes	1	55-1(c)	G
Propanolamine (iso-, n-)	PAX	8	0	E	111	A	Yes	1	.56-1(b), (c)	G
so-Propylamine	IPP	7	0	A	H	A	Yes	5	.55-1(c)	G
Pyridine	PRD	9	0	С	III	A	Yes	1	55-1(e)	G
oodium acetate, Glycol, Water mixture (3% or more Sodium lydroxide)	SAP	5	0		- 111	Α	No	N/A	.50-73, .55-1(j)	G
Sodium aluminate solution (45% or less)	SAU	5	0	NA	III	Α	No	N/A	.50-73, .56-1(a), (b), (c)	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	111	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 ess 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	П	А	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
,1,2,2-Tetrachloroethane	TEC	36	0	NA	111	Α	No	N/A	No	G
etraethylenepentamine	TTP	7	0	Ε	III	Α	Yes	1	.55-1(c)	G
Tetrahydrofuran	THF	41	0	С	111	Α	Yes	1	.50-70(b)	G
oluenediamine	TDA	9	0	E	11	А	No	N/A	.50-73, .56-1(a), (b), (c), (g)	G
,2,4-Trichlorobenzene	TCB	36	0	E	111	Α	Yes	1	No	G
1,1,2-Trichloroethane	TCM	36	0	NA	III	Α	Yes	1	.50-73, .56-1(a)	G
Frichloroethylene	TCL	36 ²	0	NA	Ш	Α	Yes	1	No	G
,2,3-Trichloropropane	TCN	36	0	E	.11	Α	Yes		.50-73, 56-1(a)	G
Friethanolamine	TEA	8 2	0	E	m	Α	Yes		.55-1(b)	G
Friethylamine	TEN	7	0	С	- 11	Α	Yes		.55-1(e)	G
l'riethylenetetramine	TET	7 2	0	Е	III	Α	Yes		.55-1(b)	G
Friphenylborane (10% or less), caustic soda solution	TPB	5	0	NA	111	Α	No	N/A	.56-1(a), (b), (c)	G
Frisodium phosphate solution	TSP	5	0	NA	[1]	Α	No	N/A		G
Jrea, Ammonium nitrate solution (containing more than 2% NH3)	UAS		0	NA	(11	Α	No	N/A		G
/anillin black liquor (free alkali content, 3% or more).	VBL	5	0	NA	111	Α	No	N/A		G
Vinyl acetate	VAM		0	С	III	А	Yes	2	.50-70(a), 50-81(a), (b)	G
/inyl neodecanate	VND		0	E	10	A	No	N/A		G



United States Coast Guard

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Shipyard: Southwest Shipyard

Cargo Identificatio	n							Condi	tions of Carriage	
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	Recovery VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Subchapter D Cargoes Authorized for Vapor Contr	ol						-			
Acetone	ACT	18 2	D	С		A	Yes	1		
Acetophenone	ACP	18	D	E		A	Yes	1		
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	D	E		A	Yes	1		
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	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) glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFX	20	D	E		A	Yes	1		
Butyl acetate (all isomers)	BAX	34	D	D		Α	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	С		A	Yes	1		
Butyl benzyl phthalate	BPH	34	D	E		A	Yes	1		
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		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			
Decene	DCE	30	D	D			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 glycoł	DEG	40 2	D	E		A	Yes	1		
Diisobutylene	DBL	30	D	C		A	Yes	1		
Diisobutyl ketone	DIK	18	D	D		A	Yes	1		
Diisopropylbenzene (all isomers)	DIX	32	D	E	_		Yes	1		
Dimethyl phthalate	DTL	34	D	E		A	Yes	1		
Dioctyl phthalate	DOP	34	D	E			Yes	1		-
Dipentene	DPN	30				A	Yes	1		
Diphenyl	DIL	32	D	D/E		A	Yes	1		
Diphenyl, Diphenyl ether mixtures	DDO	33	D	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	DFF	33	D	E		A	Yes	1	-	
Distillates: Straight run	DSR	33	D	_	_	A	Yes	1		
Dodecene (all isomers)	DOZ	30	D	E		A	Yes	1		
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	D E		A	Yes	1		
2-Ethoxyethyl acetate	EEA	34				A	Yes	1		
Ethoxy triglycol (crude)	ETG	40	D D	D		A	Yes	1		
Ethyl acetate	ETA	34	D	E C		A	Yes	1		



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Company Comp	Cargo Identification	on					Conditions of Carriage						
Name											1		
Ethylenzene ETB 32 0 C A Yes 1 Ethylpteruzene ETB 32 0 C A Yes 1 Ethylpteruzene ETB 32 0 C A Yes 1 Ethylenzene ETB 34 0 C A Yes 1 Ethylenzene ETB 34 0 D E A Yes 1 Ethylenzene ETB 34 0 D E A Yes 1 Ethylenzene ETB 34 0 D E A Yes 1 Ethylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenzene ETB 34 0 D E A Yes 1 ETBylenzene ETBylenz	Name			Sub Chapter	Grade					Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Perio		
Ethylbrotanene	-	EAA	34	D	Ε		Α	Yes	1				
Ethyl butburior	Ethyl alcohol	EAL	20 2	D	С		Α	Yes	1				
Ethyl terbutyl ether Ethyl butynatio Ethyl butynatio Ethyl Statistics Ethylene glybot butynatio Ethylene glybot butyl ether acetate Ethylene glybot butylene Ethylene gly	Ethylbenzene	ETB	32	D	С		Α	Yes	1				
Ethyl buystae	-	EBT	20	D	D		Α	Yes	1				
Ethylene glycol buyle ether acetate Ethylene glycol diacetate Ethylene glycol buyle ether acetate Ethylene glycol buyle ether Ethylene glycol buy	Ethyl tert-butyl ether	EBE	41	D	С		А	Yes	1				
Ethylene glycol butly ether acetate	Ethyl butyrate	EBR	34	D	D		Α		1				
Eithylene glycol butly ether acetate	Ethyl cyclohexane	ECY	31	D	D		Α	Yes	1				
Ethylene glycol butyl ether acetate Ethylene glycol diacetata Ethylene glycol diacetata Ethylene glycol diacetata Ethylene glycol phenyl other Ethylene glycol ph	Ethylene glycol	EGL	20 2	D	E		Α						
Elthylene glycol diacetate	Ethylene glycol butyl ether acetate	EMA	34	D			A						
Elbyten glycot phenyl ether	Ethylene glycol diacetate	EGY											
Ethyshazanol	Ethylene glycol phenyl ether												
2-Ethythexanol	Ethyl-3-ethoxypropionate												
Ethyl propionate						_	_				-		
Ethyl toluene				_	_								
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 Gasolines blending stocks: Reformates GRF 33 D A/C A Yes 1 Gasolines: Automotive (containing not over 4.23 grams lead per gallon) Gasolines: Aviation (containing not over 4.86 grams of lead per gallon) Gasolines: Aviation (containing not over 4.86 grams of lead per gallon) Gasolines: Casinghead (inatural) GRS Gasolines: Straight run GRS GSR 33 D A/C A Yes 1 Gasolines: Straight run GSR GSR 33 D A/C A Yes 1 Gasolines: Straight run GSR GSR 33 D A/C A Yes 1 Gasolines: Straight run GSR GSR 33 D A/C A Yes 1 Gasolines: Straight run GSR GSR GSR 33 D A/C A Yes 1 GRS GSR GSR GSR GSR GSR GSR GS	,						_						
Gasoline blending stocks: Alkylates													
Gasoline blending stocks: Reformates	•												
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: Straight run GSR 33 D A/C A Yes 1 Glycerine GCR 20 °2 D E A Yes 1 Heptanol (all isomers), see Alkanes (C6-C9) (all isomers) HMX 31 D C A Yes 1 Heptanol (all isomers) HTX 20 D D/E A Yes 1 Heptanol (all isomers) HPX 30 D C A Yes 1 Heptanol (all isomers) HPX 30 D C A Yes 1 Heptanol (all isomers) HPX 30 D C													
Gasolines: Aviation (containing not over 4.86 grams of lead per gallion) GAV 33 D C A Yes 1	Gasolines: Automotive (containing not over 4.23 grams lead per												
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 Heptanoi (all isomers) HTX 20 D D/E A Yes 1 Heptanoi (all isomers) HPX 30 D C A Yes 1 Heptanoi (all isomers) HPX 30 D C A Yes 1 Heptanoi (all isomers) HPX 30 D E A Yes 1 Heptanoi (all isomers) <td>Gasolines: Aviation (containing not over 4.86 grams of lead per</td> <td>GAV</td> <td>33</td> <td>D</td> <td>С</td> <td></td> <td>Α</td> <td>Yes</td> <td>1</td> <td></td> <td></td>	Gasolines: Aviation (containing not over 4.86 grams of lead per	GAV	33	D	С		Α	Yes	1				
Gasolines: Polymer Gasolines: Straight run GSR 33 D A/C A Yes 1 Glycerine GCR 20 D E A Yes 1 Heptane (all isomers), see Alkanes (C6-C9) (all isomers) HHX 31 D C A Yes 1 Heptanol (all isomers) HHZ 20 D D/E A Yes 1 Heptanol (all isomers) HHZ 30 D C A Yes 1 Heptanol (all isomers) HHZ 30 D C A Yes 1 Heptanol (all isomers) HHZ 30 D C A Yes 1 Heptanol (all isomers) HHZ 30 D C A Yes 1 Heptanol (all isomers) HHZ 30 D C A Yes 1 Hexane (all isomers) HEX 31 D B/C A Yes 1 Hexanol HXN 20 D B/C A Yes 1 Hexanol HXN 20 D D A Yes 1 Hexanol HXN 30 D C A Yes 2 Hexplene glycol HXG 30 D C A Yes 2 Hexplene glycol HXG 20 D E A Yes 1 Jet fuel: JP-5 (kerosene, heavy) HXS 33 D E A Yes 1 Jet fuel: JP-5 (kerosene, heavy) Methyl acetate MITT 34 D D A Yes 1 Methyl acetate MITT 34 D D A Yes 1 Methyl acetate MAL 20 D D A Yes 1 Methyl acetate MAL 20 D D A Yes 1 Methyl acetate MAL 20 D D A Yes 1 Methyl acetate MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1 Methyl alcohol MAL 20 D D A Yes 1		GCS	33	D	Δ/C		Δ	Vos	A.				
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 Heptanol (all isomers) HTX 20 D D/E A Yes 1 Heptanol (all isomers) HTX 20 D D/E A Yes 1 Heptane (all isomers) HPX 30 D C A Yes 1 Heptane (all isomers) HPX 30 D C A Yes 1 Hexane (all isomers), see Alkanes (C6-C9) HXS 31 2 D B/C A Yes 1 Hexanol HXS 31 2 D B/C A Yes 1 Hexanol HXN 20 D D A Yes 1 Hexanol HXX				_									
Giverine GCR 20 2 D E A Yes 1	•												
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)				_									
Heptanoic acid HEP 4	•					_			_				
Heptanol (all isomers)									_				
Heptene (all isomers)													
Heptyl acetate													
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 Hexanoic acid HXN 20 D D A Yes 1 Hexanoic acid HXN 20 D D A Yes 1 Hexanoic acid HXN 20 D D A Yes 1 Hexanoic acid HXN 20 D D A Yes 1 Hexanoic acid HXN 20 D D A Yes 1 Hexanoic acid HXN 20 D D A Yes 1 Hexanoic acid HXN 20 D D A Yes 1 Hexanoic acid HXN 20 D D A Yes 1 Jet fuel: JP-4 Jet 18 2 D E A Yes 1 Jet fuel: JP-4 Jet 19-5 (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 acetate MTT 34 D D A Yes 1 Methyl alcohol MAL 20 2 D C A Yes 1 Methylaroid acetate MAC 34 D D A Yes 1 Methylaroid acohol MAA 20 D D A Yes 1 Methylaryl alcohol MAA 20 D D A Yes 1 Methylaryl alcohol MAK 18 D D A Yes 1 Methylaryl alcohol Methylaryl ketone MAK 18 D D A Yes 1 Methylaryl letr-butyl ether Methylaryl letr-butyl ether MEthylaryl letric butyl ether						_							
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Methyl butyrate MBU 34 D C A Yes 1							A	Yes	1				



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CBC 1381 Official #: 1259381

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Shipyard: Southwest Shipyard

Serial #:

Dated:

C1-1501887

30-Apr-15

Cargo Identification						Conditions of Carriage						
							Vapor Recovery					
Name	Chem	Compat Group No	Sub Chapte	r Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Perio		
Methyl ethyl ketone	MEK	18 ²	D	С		Α	Yes	1				
Methyl heptyl ketone	MHK	18	D	D		Α	Yes	1				
Methyl isobutyl ketone	MIK	18 ²	D	С		Α	Yes	1				
Methyl naphthalene (molten)	MNA	32	D	E		Α	Yes	1				
Mineral spirits	MNS	33	D	D		Α	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	С		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	_			1				
Nonyl phenol	NNP					A	Yes					
Nonyl phenol poly(4+)ethoxylates		21	D	E		A	Yes	1				
Octane (all isomers), see Alkanes (C6-C9)	NPE	40	D	E		A	Yes	1				
	OAX	31	D	C		Α	Yes	1				
Octanoic acid (all isomers)	OAY	4	D	E		Α	Yes	1				
Octanol (all isomers)	OCX	20 2	D	E		Α	Yes	1				
Octene (all isomers)	OTX	30	D	С		Α	Yes	2				
Oil, fuel: No. 2	OTW	33	D	D/E		Α	Yes	1				
Oll, 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	Е		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	Е		Α	Yes	1				
Oil, misc: Residual	ORL	33	D	E		Α	Yes	1				
Oil, misc: Turbine	ОТВ	33	D	E		А	Yes	1				
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		А	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						
n-Propyl acetate	PAT	34	D	C			Yes	1				
iso-Propyl alcohol	IPA	20 2				A	Yes	1				
n-Propyl alcohol			D	С		A	Yes	1				
Propylbenzene (all isomers)	PAL	20 2	D	С		A	Yes	1				
iso-Propylcyclohexane	PBY	32		. D		A	Yes	1				
	IPX	31	D	D		Α	Yes	1				
Propylone glycol	PPG	20 2	D	E		Α	Yes	1				
Propylene glycol methyl ether acetate	PGN	34	D	D		Α	Yes	1				
Propylene tetramer	PTT	30	D	D		Α	Yes	1				



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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CBC 1381 Official #: 1259381

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Shipyard: Southwest Shipyard

Cargo Identification						Conditions of Carriage						
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd	Recovery VCS Calegory		al Requirements in 46 CFR ieneral and Mat'ls of	Insp.	
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				
Toluene	TOL	32	D	С		Α	Yes	1				
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		Α	Yes	1				
Triethylbenzene	TEB	32	D	E		Α	Yes	-1				
Triethylene glycol	TEG	40	D	E		А	Yes	1				
Triethyl phosphate	TPS	34	D	E		Α	Yes	1	7			
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				
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		Α	Yes	1				



Department of Homeland Security United States Coast Guard

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Cargo Authority Attachment

Vessel Name: CBC 1381 Official #: 1259381

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Shipyard: Southwest Shi

Hull #: 9740

Explanation of terms & symbols used in the Table:

Cargo Identification

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 Certain mixtures of pargoes may not have a CHRIS Code assigned.

Compatability 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 Gargo reactive group number assigned for compatibility determinations in a CER 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 Char. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone

Note 1

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

Subchapter Subchapter D Subchapter O

Note 2

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 fammable or combustible liquid. Grades inside of "{ }" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Pitton-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

Flammable liquid cargoes, as defined in 16 CFR 30-10 22 Combustible liquid cargoes, as defined in 46 CFR 30-10.15

Note 4 NA

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. 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

Hu | Type

The required barge hull classification for camage 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 hazar 1 to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).

Not applicable to barges certificated under Suirchapter D.

Conditions of Carriage

Tank Group Vapor Recover Approved (Y or N)

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.

Conditions of Carriage

Tank Group

The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo.

Vapor Recover Approved (Y or N)

Yes. The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified loang No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.

VCS Calegory:

The specified cargo's provisional classification for vapor control systems

Category 1

(No additional VCS requirements above those for benzens, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 45 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 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates

Category 2

(Polymerizes) Polymenization and residue build-up of these cargoes can adversely affect the vessel by fouling safety componenets 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 Inappection. 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 arrested.

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 loargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.

Category 6 Category 7

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