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

Certification Date: 03 Jan 2020 Expiration Date: 03 Jan 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.

Versel News		· · · · · · · · · · · · · · · · · · ·					
Vessel Name			Official Number	IMO Nur	nber	Call Sign	Service
CBC 1419			1296723				Public Tankship/Barge
			Hull Material	Hors	epower	Propulsion	
NEW ORL	EANS, LA		Steel				
UNITED S	TATES						
Place Built			Delivery Date	Keel Laid Date			
HOUSTON	I, TX		Derivery Date		Gross Tons R-735	Net Tons R-735	DWT Length
	TATEO			01Oct2019	I-	I-	R-200.0
UNITED S	TATES						
Owner						to the second	······
	RGE COMPAN	Y INC		Operato CAN		COMPANY IN	<u>c</u>
1801 ENGI	NEERS RD				ENGINEER		0
UNITED ST	ASSE, LA 70037					E, LA 70037	
UNITED OF	AILS			UNII	ED STATE	S	
This vessel 0 Certified L	must be manned ifeboatmen, 0 C	d with the certified T	following licensed ankermen, 0 HSC	and unlicense	d Personnel	Included in wh	nich there must be
0 Masters		0 Licensed		Engineers			
0 Chief Mat		0 First Clas		Assistant Engineer		iers	
0 Second M	lates	0 Radio Off		nd Assistant Engir			
0 Third Mat	es	0 Able Sear		Assistant Enginee			
		0 Ordinary		sed Engineers			
		0 Deckhand	- 6,6611	fied Member Engir	ieer		
In addition, t Persons allo	his vessel may c wed: 0	arry 0 Pa	ssengers, 0 Other	Persons in cre	w, 0 Persor	ns in addition to	crew, and no Others. Total
Route Perr	mitted And Con	ditions O	f Operation:				
	Bays, and S						
inspected u	sing salt wate	r interv					with 46 CFR 31.10-21(a) od, the vessel must be must be notified in
This tank b Inspection	arge is partic. Program (TBSIP	ipating). Inspe	in the Eighth ar	s aboard this	hargo chal	1 ho mandurate	arge Streamlined d in accordance with its ted to OCMI Sector New
***SEE NE	XT PAGE FOR	ADDITIC	ONAL CERTIFIC			and the second s	
							e Officer in Charge, Marine
ispection, or	ccioi i iousion-G	alveston	certified the vesse	el, in all respect	s, is in confc	prmity with the a	o Officer in Charge, Marine
	Annual/Peric	dic/Re-In	spection		s certificate	issued by:	
Date	Zone	A/P/R	/ Signatur			. •	R, USCG, By Direction
E18 2020	TBSIP Chicup		After		er in Charge, Marir		
	TBSIP NOLA	and the second second	1070	H.			on-Galveston
-18-2023	Canol Bage	. 14	Kendell Whit	L Inspe	ection Zone		

Dept. of Home Sec., USCG, CG-841 (Rev 4-2000)(v2)

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	For ships on inter		tificat				TA SAFE MANNING DOCUM	AENT
Vessél Name	-	_	Official Number	IMO Nur	har	Call Sign	Service	
CBC 1419	9		1296723	and run		Can agr		ankship/Barge
Hailing Port								
NEW OR	LEANS, LA		Holi Material	Hors	epower	Propulsio	0	
	STATES		Steel					
Place Built								
HOUSTO	N TX		Delivery Date	Keel Laid Date	Gross Tons	Net Tons	OWT	Length
1100010	14.10		6	01Oct2019	R-735	R-735		R-200 0
UNITED S	STATES				0,	i.		10
1801 ENG BELLE CH UNITED S	0.00	37		1801 BELL UNIT	AL BARGE ENGINEEI E CHASSE ED STATE	E, LA 70037 S	7	
0 Certified	I must be manne Lifeboatmen, 0	ed with the fo Certified Tan	llowing licensed a kermen, 0 HSC T	nd unlicensed ype Rating, a	Personnel and 0 GMD	. Included i SS Operato	in which there mus	st be
0 Masters		0 Licensed Ma	and the state of the			ilers		
0 Chief Ma	ates	0 First Class F	Pilots 0 First As:	sistant Engineer	e.			
0 Second I	Mates	0 Radio Office	rs 0 Second	Assistant Engin	ec.3			
0 Third Ma	ites	0 Able Seame	n 0 Third As	sistant Enginee	rs			
0 Master F	irst Class Pilot	0 Ordinary Sea	amen 0 Licensed	d Engineers				
	st Class Pilots	0 Deckhands		l Member Engin		ne in additio	on to crew, and no	Others Total
Persons allo	owed: 0	carry o Fass	engers, o Other P	ersons in cre	w, u Persoi	ns in additio	on to crew, and no	Others. Total
Lakes, This vestel (2), if th	is vessel it o	Sounds	h water service salt water more	than 6 mont	the in any	12 month	ance with 46 CFI period, the Vesi OCMI must be not	and minist his
writing al This tenk b Inspection	ason as this warge is partic Program (TBSI)	change in s cipating in P). Inspect	tatus occurs. the Eighth and ion activities a	Ninth Coast	Guard Di barge sha	stricts Ta	nk Barde Stieun ucted in iccord, irected to cCM1	, viel
SEE NE	XT PAGE FOR		AL CERTIFICAT	TE INFORM	ATION			
nspection, S	ector Houston-C	Galveston ce	g been completed rtified the vessel, i bed thereunder.	d at Houston, in all respects	TX, UNITE s, is in confe	D STATES	S, the Officer in Cl the applicable ves	harge, Marine sel inspection
aws and the		odic/Re-Insp		Thi	s certificate	issued by:		
Date	Zone	A/P/R	Asignature	2		the second s	Z CDR, USCG, B	v Direction
5 28 202	TBSIP NOL		Me to	Offic	er in Charge, Mar		Bon-Galvestor	
				Inspe	ction Zone	Cocorri	diversion Galveston	Pp
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27	13			epartm Unite	ted States of lent of Home ed States Co	land Secu ast Guard		Certification f Expiration Da	Date: 03 Jan 2020 ate: 03 Jan 2025
	For ships on ir				te of			ION SAFE MANNING DO	CUMENT.
Vessel Nam			Official Nur				Call Sign		
CBC 14	19		129672	3				Publ	ic Tankship/Barge
Hailing Port NEW OI	RLEANS, LA			li Matenal	но	sepower	Propulsi	on	
UNITED	STATES								
Place Built HOUSTO	 DN, TX		Deliver	y Date	Keel Laid Date	Gross Tons R-735	Net Tons R-735	DWT	Length R-200.0
	STATES				01002019	ŀ	۴		1-0
This vessel 0 Certified 0 Masters	l must be mann Lifeboatmen, 0	ed with the Certified T 0 Licensed	ankermen,	0 HSC	and unlicense Type Rating,	and 0 GME		in which there ors.	e must be
		0 21001000				0.0			
0 Chief Ma	ates	0 First Clas	s Pilots		Engineers Assistant Engine	-	Dilers		
0 Second I	Mates	0 Radio Off	icers	0 First /	•	ers	Dilers	,	
0 Second I 0 Third Ma	Mates Intes	0 Radio Off 0 Able Sear	icers nen	0 First / 0 Secor 0 Third	Assistant Engine nd Assistant Eng Assistant Engine	ers ineers	Dilers		
0 Second N 0 Third Ma 0 Master F	Mates ates first Class Pilot	0 Radio Off 0 Able Sear 0 Ordinary :	icers nen Seamen	0 First / 0 Secon 0 Third 0 Licens	Assistant Engine nd Assistant Eng Assistant Engine sed Engineers	ers ineers eers	Dilers		
0 Second I 0 Third Ma 0 Master F 0 Mate Firs In addition,	Mates ates first Class Pilot st Class Pilots this vessel may	0 Radio Off 0 Able Sear 0 Ordinary 0 Deckhand	icers nen Seamen Is	0 First / 0 Secon 0 Third 0 Licens 0 Qualit	Assistant Engine nd Assistant Eng Assistant Engine sed Engineers fied Member Eng	ers ineers ers		ion to crew, ar	nd no Others. Total
0 Second I 0 Third Ma 0 Master F 0 Mate Firs In addition, Persons allo Route Per	Mates ates first Class Pilot st Class Pilots this vessel may owed: 0 rmitted And Co	0 Radio Off 0 Able Sear 0 Ordinary : 0 Deckhand y carry 0 Pa	icers nen Seamen Is ssengers, (f Operatio	0 First / 0 Secor 0 Third 0 Licen: 0 Qualif	Assistant Engine nd Assistant Eng Assistant Engine sed Engineers fied Member Eng	ers ineers ers		ion to crew, ar	nd no Others. Totai
0 Second I 0 Third Ma 0 Master F 0 Mate Firs 0 Mate Firs 0 Mate Firs Persons allo Route Per Lakes (2). If this inspected in writing as	Mates ates first Class Pilot st Class Pilots this vessel may owed: 0 rmitted And Co , Bays , and 1 has been gra- is vessel is o using salt was soon as this	0 Radio Off 0 Able Sear 0 Ordinary 3 0 Deckhand 7 carry 0 Pa 0 nditions O 5 Sounds anted a fr operated i ter interv change in	icers nen Seamen Is ssengers, (f Operatio esh water n salt wat als per 46 status oc	0 First / 0 Secon 0 Third 0 Licens 0 Qualif D Other n: servic cer moto 5 CFR	Assistant Engine nd Assistant Engine sed Engineers fied Member Eng Persons in cr Persons in cr ce examinati ce than 6 mo 31.10-21 (a) (ers ineers ineer Tew, 0 Person on	1 in accor 1 2 month 2 2 month 2 cognizant	dance with 4 period, the OCMI must b	6 CFR 31.10-21(a) • vessel must be we not fied in
0 Second I 0 Third Ma 0 Master F 0 Mate Firs 0 Mate Firs 1n addition, Persons allo Route Per Lakes (2). If this inspected to writing as This tank to Inspection Tank Barge Drieans.	Mates ates First Class Pilot st Class Pilots this vessel may owed: 0 mitted And Co , Bays, and 1 has been gra- is vessel is of using salt war soon as this barge is part: Program (TBS: Action Plan	0 Radio Off 0 Able Sear 0 Ordinary : 0 Deckhand 7 carry 0 Pa onditions O Sounds anted a fr operated i ter interv change in icipating IP). Inspe- (TAP). Insp	icers nen Seamen Is ssengers, (f Operatio esh water n salt water als per 46 status oc in the Eic ction action section is	0 First / 0 Secon 0 Third 0 Licens 0 Qualif 0 Other n: servic servic corr not corr n	Assistant Engine nd Assistant Engine sed Engineers fied Member Eng Persons in cr Persons in cr 2011 re than 6 mo 31.10-21 (a) (nd Ninth Coa s aboard this concerning the	ers ineers ers few, 0 Person of interva othe in an 1) and the st Guard b s barge sh his barge	I in accor y 12 month cognizant istricts I all be con should be	dance with 4 period, the OCMI must b ank Barge St	6 CFR 31.10-21(a) • vessel must be we not fied in
0 Second J 0 Third Ma 0 Master F 0 Mate Firs In addition, Persons allo Route Per Lakes (2). If this inspected to writing as This tank be Inspection Tank Barge Drieans. ***SEE NE With this Inspection	Mates Ates First Class Pilot st Class Pilots this vessel may owed: 0 mitted And Co , Bays, and I has been gra- is vessel is o using salt war soon as this barge is part: Program (TBS: Action Plan EXT PAGE FO spection for Cer	0 Radio Off 0 Able Sear 0 Ordinary: 0 Deckhano 7 carry 0 Pa onditions O Sounds anted a fr operated i ter interv change in icipating IP). Inspe- (TAP). Insp R ADDITIC tification ha	icers nen Seamen Is Ssengers, (f Operatio esh water n salt wat als per 46 status oc in the Eic ction action cection is DNAL CEF Ving been of	0 First / 0 Secon 0 Third 0 Licen: 0 Qualif 0 Other n: servic corrs. http://www.service. corrs. http://www.service. corrs. http://www.service. corrs.	Assistant Engine nd Assistant Engine sed Engineers fied Member Engine Persons in cr Persons in cr ce examinati re than 6 mo 31.10-21 (a) (nd Ninth Coa s aboard thi concerning the ATE INFORM	ers ineers eers ew, 0 Person on interva of interva interva of interva of interva interva of interva	in accor y 12 month cognizant istricts T all be con should be	dance with 4 a period, the OCMI must b ank Barge St ducted in ac directed to	6 CFR 31.10-21(a) vessel must be not.fled in rear and corrant with its OTH, and the New Fin Charge Manne
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0 Second J 0 Third Ma 0 Master F 0 Mate Firs In addition, Persons allo Route Per Lakes (2). If this inspected to writing as This tank b Inspection Tank Barge Drieans. ***SEE NE With this Inspection, S	Mates ates first Class Pilot st Class Pilots this vessel may owed: 0 rmitted And Co , Bays, and 1 has been gr. is vessel is o using salt was soon as this barge is part: Program (TBS) Action Plan EXT PAGE FO pection for Cen Sector Houston- e rules and regu Annual/Pe	0 Radio Off 0 Able Sear 0 Ordinary 3 0 Deckhand 7 carry 0 Pa 0 Deckhand 0 Deckhand 0 Deckhand 7 carry 0 Pa 0 Deckhand 0 Dechhand 0 Dechhand	icers nen Seamen Is f Operatio esh water n salt wat als per 46 status oc in the Eic continent pection action certified the cribed ther spection	0 First / 0 Secon 0 Third 0 Licen: 0 Qualif 0 Other n: servio corrs. hth ar vities ssues correction RTIFIC comple e vesse	Assistant Engine nd Assistant Engine sed Engineers fied Member Engine Persons in cr Persons in cr ce examinati re than 6 mo 31.10-21 (a) (nd Ninth Coa s aboard this concerning to ATE INFORI ted at Housto cl, in all respect	ers ineers eers ew, 0 Person on interva the in an 1) and the st Guard D s barge sh his barge MATION*** n, TX, UNIT cts, is in cor	I in accor y 12 month cognizant istricts 1 all be con should be FED STATE formity with te issued by D. Rodrigu	dance with 4 a period, the OCMI must b ank Barge St ducted in ac directed to S, the Officer a the applicable	6 CFR 31.10-21(a) vessel must be not.fled in rear and corrant with its OTH, and the New Fin Charge Manne

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

Certification Date: 03 Jan 2020 **Expiration Date:** 03 Jan 2025

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				IMO Nun	ber	Call Sign	Service		
CBC 1419			1296723				Public	: Tankship/Barge	
Hailing Port								-	
NEW ORLE	EANS, LA		Hull Materiai	Hors	epower	Propulsion			
UNITED ST	ATES		Steel						
Place Buill			Delivery Date	Keelleld Die					
HOUSTON	ТХ		Denvery Date		Gross Tons R-735	Net Tons R-735	DWT	Lenglh R-200 0	
UNITED ST	ATES			01Oct2019	l-	ŀ		1-0	
^{Owner} CANAL BAF 1801 ENGIN				Operato CAN		COMPANY IN	С		
BELLE CHA	SSE, LA 700	37		BELI	ENGINEER E CHASSE ED STATE	E, LA 70037			
This vessel n 0 Certified Li	nust be mann feboatmen, 0	ed with the fol Certified Tan	lowing licensed kermen, 0 HSC	and unlicensed	d Personnel	. Included in wi	hich there m	iust be	
0 Masters		0 Licensed Ma		Engineers	0 0i				
0 Chief Mate		0 First Class P	ilots 0 First /	Assistant Enginee	s				
0 Second M		0 Radio Officer	rs 0 Secor	nd Assistant Engir	eers				
0 Third Mate	-	0 Able Seamer	e mina	Assistant Enginee	ers				
	st Class Pilot	0 Ordinary Sea		sed Engineers					
0 Mate First		0 Deckhands	0 Qualit	fied Member Engir	eer				
n addition, tr Persons allov	ved: 0	carry 0 Passe	engers, 0 Other	Persons in cre	w, 0 Persor	ns in addition to	crew, and r	no Others. Total	
Route Pern	nitted And Co	onditions Of C	Operation:		-				
Lakes,	Bays, and	Sounds	-						
This vessel (2). If this inspected us	has been gra s vessel is a sing salt wat	anted a fres	h water servi	ce examinatio re than 6 mon 31.10-21(a)(1	n interval ths in any) and the c	in accordance 12 month per: cognizant OCM	e with 46 (iod, the ve I must be r	CFR 31.10-21(a) essel must be notified in	
Chis tank ba Inspection H Cank Barge A Drleans.	arge is part: Program (TBS: Action Plan	icipating in IP). Inspect: (TAP). Inspec	the Eighth an ion activities ction issues o	nd Ninth Coas s aboard this concerning th	t Guard Dis barge shal is barge sh	stricts Tank H 11 be conducte nould be direc	Barge Strea ed in accor sted to OCM	amlined dance with its 11 Sector New	
SEE NE>	(T PAGE FO	R ADDITION	IAL CERTIFIC	ATE INFORM	ATION				
With this Insp	ection for Cer ector Houston rules and regu	tification havin Galveston ce lations prescri	g been comple rtified the vesse ibed thereunde	ted at Houston	TV LINUTE	D STATES, th prmity with the a	e Officer in applicable v	Charge, Marine essel inspection	
	Annual/Pe	riodic/Re-Insp	ection		is certificate	issued by:			
Date	Zone	A/P/R	Signatur). Rodriguez CI	DR, USCG,	By Direction	
				Offic	er in Charge, Mari	ine Inspection	on-Galvesto		
				Insp	ection Zone				

Dept, of Home Sec., USCG, CG-841 (Rev 4-2000)(v2)

82-38		Department o	tates of America f Homeland Securi ates Coast Guard	ty Certification	
	Cer	tíficate		pection	
Vessel Name: CBC 141	9				
Hull Exan	ns				
Exam Type	Next	Exam	Last Exam	Prior Exa	am
DryDock	31Ja	an2030	03Jan2020		
Internal Structur	re 31Ja	an2025	03Jan2020		
Liquid/G	as/Solid Cargo	Authority/Conditi	ons		
Authorization:	30.25-1 or 46 CFF	psia Reid) and Lower F R Part 153 Table 2, and	Specified Hazardous	Cargos.	
Total Capacity	Units	_		Part153 Regulated	Part154 Regulated
11689	Barrels	A	Yes	Νο	No
*Hazardous Bu	Ik Solids Authority	*			
Not Authorized					
Loading Cons	traints - Structural				
Tank Number		Max Cargo Weight p	per Tank (short tons)	Maximum Densi	ty (lbs/gal)
1C		579		13.33	
2C		730		13.33	
3C		657		13.33	
Loading Cons	traints - Stability				
Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density F (lbs/gal)	Route Description	
I	1580	9ft 0in	13.33 F	र	
II	1689	9ft 6in	12.49 F	र	
111	1799	10ft 0in	11.66 F	र	
H	1871	10ft 4in	9.16 F	र	
l	1580	9ft 0in	12.41 L	BS	
II	1689	9ft 6in	10.99 L	BS	
Conditions Of	Carriage				
*Vapor Control /	_				
plans approved liquid cargo vap	by MSC Letter C1-19 ors annotated with "Y	excluding part 39.4000, 900021 dated January 2 ⁄es" in the CAA's VCS o	29 2019, and has been column of the vessel's	n found acceptable for Cargo Authority Attack	the collection of bulk nment.
Only those carge be carried, and	oes named in the ves then only in the tanks	ssel's Cargo Authority A indicated.	ttachment Serial No. (C1-1902030 dated Oct	ober 30, 2019, may

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

As per 46 CFR 150.130, the Person In Charge of the vessel is responsible for ensuring that the compatibility requirements of 46 CFR, Part150, are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR, Part 150, in conjunction with the reactive group numbers from the "Compat Group No" column listed in the vessel's Cargo Authority.



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

Certification Date: 03 Jan 2020 Expiration Date: 03 Jan 2025

Certificate of Inspection

Vessel Name: CBC 1419

The maximum design density of cargo which may be filled to the tank top is 9.16 lbs/gal. Cargoes with higher densities, up to 13.33 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed below.

Note: Per 46 CFR 151.10-15(c)(2) the max. tank weights listed below reflect uniform (within 5%) loading at the deepest draft allowed. When carrying Subchapter O cargoes at shallower drafts, the barge(s) should always be loaded uniformly.

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 maximum allowable working pressure (MAWP) of 3.5 psi.

The MSC approval letter/s must be available at the OCMI's request.

Verify isolation valve at the vapor connection flange is manually operable and designed in a way it is "clearly" open or closed.

--- Inspection Status ---

Cargo Tanks

		Internal Exam			External Exan	n	
	Tank Id	Previous	Last	Next	Previous	Last	Next
	1C	-	03Jan2020	31Jan2030	÷ .		-
l	2C	-	03Jan2020	31Jan2030	÷	-	-
	3C	-	03Jan2020	31Jan2030	-	-	-
				Hydro Test			
1	Tank Id	Safety Valves		Previous	Last	Next	
	1C	-		-	03Dec2019	-	
	2C	-		-	03Dec2019	-	
	3C	-		-	03Dec2019	2	

Class Type

40-B

---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										
2										
,										
Amending Unit	Amendment Date									

Marine Safety Unit Texas City 15Mar2021

Amendment Date

Amendment Remark

Updated maximum design density of cargo which may be filled to the tank top to 9.16 lbs/gal.

END



Elec Temp Haz Cont

NR

No

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CBC 1419

Shipyard: Southwest

Official #: 12967	23													Hull	#: 9822
46 CFR 151 Tank	Group (Chara	cteris	tics											
Tank Group Information Cargo Identification			-	1	Tanks		Cargo Transfer		Environmental Control		Fire	Special Requirements			
Tnk Grp Tanks in Group	Densily	Press	Temp	Hull Typ		Туре	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Protection Provided	General	Materials of Construction
A All	13 33	Atmos	Amb	I	1ii 2ii	Integral Gravity	PV	Closed	11	G-1	NR	NA	Portable	50-60, 50-70(a), 50-70(b), 50-73,	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (c), (d), (e), (f), (g),

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.

List of Authorized Cargoes

Cargo Identification	Conditions of Carriage								
		Compat					Vapor Recovery		
Name	Chern Code	Group	Sub Chapter	Grade	Hull Type	Tank Group		Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period

Authorized Subchapter O Cargoos

Authorized Subchapter O Cargoes										
Sodium acetate solution	SAN	34	D/O 3	#		A	No	N/A		_
Acetonitrile	ATN	37	0	С	III	A	Yes	3	No	G
Acrylonitrile	ACN	15 ²	0	С	Ш	А	Yes	4	50-70(a), 55-1(e)	G
Adiponitrile	ADN	37	0	Е	Ш	А	Yes	1	No	G
Alkyl (C7-C9) nitrates	AKN	34 ²	0	NA	111	Α	No	N/A	50-81 50-86	G
Aminoethyl ethanolamine	AEE	8	0	Е	10	А	Yes	1	.55-1(b)	G
Ammonium bisulfite solution (70% or less)	ABX	43 ²	0	NA		А	No	N/A	50-73, 56-1(a), (b), (c)	G
Ammonium hydroxide (28% or less NH3)	AMH	6	0	NA	111	А	No	N/A	56-1(a), (b), (c), (f), (g)	G
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	П	А	No	N/A	No	G
Benzene	BNZ	32	0	С	10	А	Yes	1	50-60	G
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 ²	0	С	10	A	Yes	1	_50-60	G
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	BHA	32 ²	0	С	111	А	Yes	1	_50-60, _56-1(b), (d), (f), (g)	G
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	0	B/C	Ш	Α	Yes	1	.50-60	G
Butyl acrylate (all isomers)	BAR	14	0	D	Ш	A	Yes	2	50-70(a), 50-81(a), (b)	G
Butyl methacrylate	BMH	14	0	D	Ш	Α	Yes	2	50-70(a), 50-81(a), (b)	G
Butyraldehyde (all isomers)	BAE	19	0	С	Ш	А	Yes	1	55-1(h)	G
Camphor oil (light)	CPO	18	0	D	Ш	А	No	N/A	No	G
Carbon tetrachloride	CBT	36	0	NA	111	А	No	N/A	No	G
Caustic potash solution	CPS	5 ²	0	NA		А	No	N/A	.50-73, .55-1(j)	G
Caustic soda solution	CSS	5 ²	0	NA	111	А	No	N/A	50-73, 55-1(j)	G
Chlorobenzene	CRB	36	0	D	111	A	Yes	1	No	G
Chloroform	CRF	36	0	NA	III	А	Yes	3	No	G
Coal tar naphtha solvent	NCT	33	0	D	111	А	Yes	1	.50-73	G
Creosote	CCW	21 ²	0	Е	UI.	Α	Yes	1	No	G
Cresols (all isomers)	CRS	21	0	Е		А	Yes	1	No	G
Cresylate spent caustic	CSC	5	0	NA	111	A	No	N/A	50-73, 55-1(b)	G
Cresylic acid tar	CRX	21	0	Е	111	А	Yes	1	55-1(1)	G
Crotonaldehyde	СТА	19 ²	0	С	Н	А	Yes	4	.55-1(h)	G
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG	19 ²	0	С	Ш	А	Yes	1	No	G
Cyclohexanone	ССН	18	0	D	10	Α	Yes	1	.56-1(a), (b)	G
Cyclohexanone, Cyclohexanol mixture	CYX	18 ²	0	Е	111	А	Yes	1	56-1 (b)	G
Cyclohexylamine	CHA	7	0	D	Ш	A	Yes	1	.56-1(a), (b), (c), (g)	G

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Serial #: C1-1902030 Dated: 30-Oct-19

Certificate of Inspection Cargo Authority Attachment

Vessel Name: CBC 1419 Official #: 1296723

Page 2 of 9

Shipyard: Southwest Hull #: 9822

Cargo	Identification					Conditions of Carriage					
		Compat					Vapor Recovery	Special Requirements in 46 CFR	Ū.		
Name	Chem Code	Group	Sub Chapter	Grade	Hull Type	Tank Group		151 General and Mat'ls of	Insp Period		

Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	Ш	А	Yes	1	50-60, 56-1(b)	G
iso-Decyl acrylate	IAI	14	0	E	111	Α	Yes	2	50-70(a), 50-81(a), (b), 55-1(c)	G
Dichlorobenzene (all isomers)	DBX	36	0	E	Ш	A	Yes	3	56-1(a), (b)	G
1,1-Dichloroethane	DCH	36	0	С	111	А	Yes	1	No	G
2,2'-Dichloroethyl ether	DEE	41	0	D	11	A	Yes	1	55-1(1)	G
Dichloromethane	DCM	36	0	NA	Ш	А	Yes	5	No	G
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	Е	Ш	А	No	N/A	56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2	0	Α	111	А	No	N/A	56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 ²	0	Е	111	А	No	N/A		G
1,1-Dichloropropane	DPB	36	0	С	111	A	Yes	3	No	G
1,2-Dichloropropane	DPP	36	0	С	111	А	Yes	3	No	G
1,3-Dichloropropane	DPC	36	0	С	111	А	Yes	3	No	G
1,3-Dichloropropenc	DPU	15	0	D	П	А	Yes	4	No	G
Dichloropropene, Dichloropropane mixtures	DMX	15	0	С	11	Α	Yes	1	No	G
Diethanolamine	DEA	8	0	Е	Ш	А	Yes	1	.55-1(c)	G
Diethylamine	DEN	7	0	С	Ш	А	Yes	3	.55-1(c)	G
Diethylenetriamine	DET	72	0	Е	111	А	Yes	1	_55-1(c)	G
Diisobutylamine	DBU	7	0	D	Ш	A	Yes	3	55-1(c)	G
Diisopropanolamine	DIP	8	0	Е	111	А	Yes	1	"55-1(c)	G
Diisopropylamine	DIA	7	0	С	Ш	А	Yes	3	.55-1(c)	G
N,N-Dimethylacetamide	DAC	10	0	Е	Ш	А	Yes	3	56-1(b)	G
Dimethylethanolamine	DMB	8	0	D	Ш	А	Yes	1	56-1(b), (c)	G
Dimethylformamide	DMF	10	Ō	D	111	А	Yes	1	55-1(e)	G
Di-n-propylamine	DNA	7	0	С	11	А	Yes	3	55-1(c)	G
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	0	E	111	A	No	N/A	56-1(b)	G
Dodecyl diphenyl ether disulfonate solution	DOS	43	0	#	11	А	No	N/A	No	G
EE Glycol Ether Mixture	EEG	40	0	D	111	А	No	N/A	No	G
Ethanolamine	MEA	8	0	Е	111	A	Yes	- 1	.55-1(c)	G
Ethyl acrylate	EAC	14	0	С	10	А	Yes	2	50-70(a), 50-81(a), (b)	G
Ethylamine solutions (72% or less)	EAN	7	0	А	11	А	No	N/A	55-1(b)	G
N-Ethylbutylamine	EBA	7	0	D	ш	А	Yes	3	55-1(b)	G
N-Ethylcyclohexylamine	ECC	7	0	D	Ш	Α	Yes	1	55-1(b)	G
Ethylene cyanohydrin	ETC	20	0	E	Ш	А	Yes	1	No	G
Ethylenediamine	EDA	7 2	0	D	111	А	Yes	1	.55-1(c)	G
Ethylene dichloride	EDC	36 ²	0	С	III	А	Yes	1	No	G
Ethylene glycol hexyl ether	EGH	40	0	Е	Ш	А	No	N/A	No	G
Ethylene glycol monoalkyl ethers	EGC	40	0	D/E	10	A	Yes	1	No	G
Ethylene glycol propyl ether	EGP	40	0	Е	111	А	Yes	1	No	G
2-Ethylhexyl acrylate	EAI	14	0	Е	111	А	Yes	2	50-70(a), 50-81(a), (b)	G
Ethyl methacrylate	ETM	14	0	D/E	Ш	А	Yes	2	50-70(a)	G
2-Ethyl-3-propylacrolein	EPA	19 ²	0	E	10	A	Yes	1	No	G
Formaldehyde solution (37% to 50%)	FMS	19 ²	0	D/E	111	A	Yes	1	55-1(h)	G
Furfural	FFA	19	0	D	III	A	Yes	1	55-1(h)	G
Glutaraldehyde solutions (50% or less)	GTA	19	0	NA	111	А	No	N/A	No	G
Hexamethylenediamine solution	HMC	7	0	Е	III	А	Yes	1	55-1(c)	G

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Vessel Name: CBC 1419 Official #: 1296723

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Shipyard: Southwest Hull #: 9822

Cargo	Cargo Identification						Cond	itions of Carriage	
		Compat					Vapor Recovery	Special Requirements in 46 CFR	1
Name	Chem Code	Group	Sub Chapter	Grade	Hull Type	Tank Group	App'd VCS (Y or N) Category	151 General and Matlis of	Insp. Period

Hexamethyleneimine	HMI	7	0	С	11	Α	Yes	1	56-1(b), (c)	G
Isoprene	IPR	30	0	А	111	А	No	N/A	50-70(a), 50-81(a), (b)	G
Isoprene, Pentadiene mixture	IPN	30	0	В	H	A	No	N/A	50-70(a), 55-1(c)	G
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	0	NA	Ш	A	No	N/A	_50-73, _56-1(a), (c), (g)	G
Mesityl oxide	MSO	18 ²	0	D	111	А	Yes	1	No	G
Methyl acrylate	MAM	14	0	С	111	A	Yes	2	50-70(a), 50-81(a), (b)	G
Methylcyclopentadiene dimer	MCK	30	0	С	111	А	Yes	1	No	6
Methyl diethanolamine	MDE	8	0	Е	111	А	Yes	1	56-1(b), (c)	G
2-Methyl-5-ethyl pyridine	MEP	9	0	Е	111	Α	Yes	1	55-1(e)	G
Methyl methacrylate	MMM	14	0	С	111	А	Yes	2	50-70(a), 50-81(a), (b)	G
2-Methylpyridine	MPR	9	0	D	111	Α	Yes	3	.55-1(c)	G
alpha-Methylstyrene	MSR	30	0	D	111	А	Yes	2	50-70(a), 50-81(a), (b)	G
Morpholine	MPL	7 2	0	D	111	А	Yes	1	.55-1(c)	G
Nitroethane	NTE	42	0	D	П	А	No	N/A	_50-81, _56-1(b)	G
1- or 2-Nitropropane	NPM	42	0	D	111	Α	Yes	1		G
1,3-Pentadiene	PDE	30	0	А	111	A	No	N/A	50-70(a), 50-81	G
Polyethylene polyamines	PEB	7 2	0	E	111	А	Yes	1	.55-1(e)	G
iso-Propanolamine	MPA	8	0	Е	Ш	A	Yes	1	,55-1(c)	G
Propanolamine (iso-, n-)	PAX	8	0	Е		А	Yes	1	.56-1(b), (c)	G
Isopropylamine	IPP	7	0	А	11	А	Yes	5	55-1(c)	G
Pyridine	PRD	9	0	С	Ш	А	Yes	1	55-1(e)	G
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP	5	0		111	A	No	N/A	50-73, 55-1(j)	G
Sodium aluminate solution (45% or less)	SAU	5	0	NA	HI	А	No	N/A	50-73, 56-1(a), (b), (c)	G
Sodium chlorate solution (50% or less)	SDD	0 1,2	0	NA	111	A	No	N/A	50-73	G
Sodium hypochlorite solution (20% or less)	SHQ	5	0	NA	10	A	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	А	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	А	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 monomer	STY	30	0	D	Ш	А	Yes	2	50-70(a), 50-81(a), (b)	G
1,1,2,2-Tetrachloroethane	TEC	36	0	NA	Ш	А	No	N/A	No	G
Tetraethylene pentamine	TTP	7	0	Е	111	А	Yes	1	.55-1(c)	G
Tetrahydrofuran	THE	41	0	С	111	А	Yes	1	.50-70(b)	G
1,2,4-Trichlorobenzene	тсв	36	0	E		А	Yes	1	No	G
1,1,2-Trichloroethane	TCM	36	0	NA	111	А	Yes	1	.50-73, 56-1(a)	G
Trichloroethylene	TCL	36 ²	0	NA	Ш	А	Yes	1	No	G
1,2,3-Trichloropropane	TCN	36	0	Е	11	A	Yes	3	50-73, 56-1(a)	G
Triethanolamine	TEA	8 2	0	E	Ш	A	Yes	1	55-1(b)	G
Triethylamine	TEN	7	0	С	[]	А	Yes	3	55-1(e)	G
Triethylenetetramine	TET	7 2	0	Е	111	A	Yes	1	55-1(b)	G
Triphenylborane (10% or less), caustic soda solution	TPB	5	0	NA	HI	A	No	N/A	56-1(a), (b), (c)	G
Trisodium phosphate solution	TSP	5	0	NA	111	A	No	N/A	50-73, 56-1(a), (c).	G
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	0	NA	III	A	No	N/A	56-1(b)	G
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	0	NA	III	A	No	N/A	50-73, 56-1(a), (c), (g)	G

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Vessel Name: CBC 1419

Shipyard: Southwest Hull #: 9822 Official #: 1296723 Page 4 of 9 **Conditions of Carriage Cargo Identification** Vapor Recovery Special Requirements in 46 CFR 151 General and Mat'ls of Compat VCS Chem ՏսԵ Hull Tank App'd Insp Group Grade (Y or N) Category Construction Code No Chapter Type Group Period Name 50-70(a), 50-81(a), (b) G VAM 13 0 С Ш А Yes 2 Vinyl acetate 50-70(a), 50-81(a), (b) G 0 Е 111 A No N/A VND 13 Vinyl neodecanoate G VNT 13 0 D Ш А Yes 2 50-70(a), 50-81, 56-1(a), (b), (c), (Vinyltoluene Subchapter D Cargoes Authorized for Vapor Control 18 2 D С Yes Acetone ACT Α 1 D E А Yes 1 ACP 18 Acetophenone 1 Alcohol (C12-C16) poly(20+) ethoxylates APW 20 D Е А Yes Alcohol (C6-C17) (secondary) poly(3-6) ethoxylates AEA 20 D Е А Yes 1 E А 1 Alcohol (C6-C17) (secondary) poly(7-12) ethoxylates AEB 20 D Yes 1 Amyl acetate (all isomers) AEC 34 D D А Yes D D А Yes 1 AAI 20 Amyl alcohol (iso-, n-, sec-, primary) BZE 34 D Ε А Yes 1 Benzyl acetate BAL 21 D Ε А Yes 1 Benzyl alcohol Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) BFY 20 D Е A Yes 1 glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters) D Butyl acetate (all isomers) BAX 34 D А Yes 1 20 2 D A 1 D Yes IAL Isobutyl alcohol BAN 20 2 D D А Yes 1 Butyl alcohol (n-) BAS 20² D С A Yes 1 Butyl alcohol (sec-) С 20 ² D А Yes 1 Butyl alcohol (tert-) BAT Butyl benzyl phthalate BPH 34 D È A Yes 1 D D А Yes 1 BUE 32 Butyl toluene D Ε 22 A Yes 1 Caprolactam solutions CLS CYE 31 D С А Yes 1 Cycloheptane D С Yes 1 CHX 31 A Cyclohexane CHN 20 D E А Yes 1 Cyclohexanol D 1 D А Yes CYC 34 Cyclohexyl acetate 2 D D/F А 1,3-Cyclopentadiene dimer (molten) CPD 30 Yes D В А Yes 1 CYP 31 Cyclopentane D D CMP А Yes 1 32 p-Cymene IDA 19 D Е А Yes 1 iso-Decaldehyde Ε DAL 19 D А Yes 1 n-Decaldehyde D # А 1 Decanoic acid DCO 4 Yes DCE 30 D D А Yes 1 Decene DAX 20 ? D C Λ Yes 1 Decyl alcohol (all isomers) D Е n-Decylbenzene, see Alkyl(C9+)benzenes DBZ 32 А Yes 1 DAA 20² D D А Yes 1 Diacetone alcohol DPA D A 34 Ε Yes -1 Dibutyl phthalate

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Certificate of Inspection Cargo Authority Attachment

Vessel Name: CBC 1419

Gasoline blending stocks: Reformates

Shipyard: Southwest

Official #: 1296723			Page 5	513					Hull #: 9822	
Cargo Ident	tification							Condi	tions of Carriage	
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd	Recovery VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction	Insp Perio
Diethylbenzene	DEB	32	D	Ð		А	Yes	1		
Diethylene glycol	DEG	40 2	D	E		А	Yes	1		
Diisobutylene	DBL	30	D	С		А	Yes	1		
Diisobutyl ketone	DIK	18	D	D		A	Yes	1		
Diisopropylbenzene (all isomers)	DIX	32	D	E		А	Yes	1		
Dimethyl phthalate	DTL	34	D	E		А	Yes	1		
Dioctyl phthalate	DOP	34	D	E		А	Yes	1		
Dipentene	DPN	30	D	D		А	Yes	1		
Diphenyl	DIL	32	D	D/E		А	Yes	1		
Diphenyl, Diphenyl ether mixtures	DDO	33	D	Е		А	Yes	1		
Diphenyl ether	DPE	41	D	{E}		A	Yes	1		
Dipropylene glycol	DPG		D	E		A	Yes			
Distillates: Flashed feed stocks	DFF	33	D	E		A	Yes			
Distillates: Straight run	DSR		D	E		A	Yes			
Dodecene (all isomers)	DOZ		D	D		A	Yes			
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	E		A	Yes			
2-Ethoxyethyl acetate	EEA	34	D	D		A	Yes			
Ethoxy triglycol (crude)	ETG	40	D	E		A	Yes			
Ethyl acetate	ETA	34	D	С		A	Yes			
Ethyl acetoacetate	EAA	34	D	E		A	Yes			
Ethyl alcohol	EAL	20 2		С		A	Yes			
Ethylbenzene	ETB	32	D	С		A	Yes			
Ethyl butánol	EBT	20	D	D		A	Yes			
Ethyl tert-butyl ether	EBE	41	D	С		A	Yes			
	EBR	34	D	D						
Ethyl butyrate						A	Yes			
Ethyl cyclohexane	ECY	31	D	D	_	A	Yes			
Ethylene glycol	EGL	20 2		E		A	Yes	1		
Ethylene glycol butyl ether acetate	EMA		D	E		A	Yes	1		
Ethylene glycol diacetate	EGY		D	E	_	A	Yes			-
Ethylene giycol phenyl ether	EPE	40	D	E		A	Yes			
Ethyl-3-ethoxypropionate	EEP	34	D	D		A	Yes			_
2-Ethylhexanol	EHX	20	D	E		A	Yes			
Ethyl propionate	EPR	34	D	С		A	Yes			
Ethyl toluene	ETE	32	D	D		A	Yes)	
Formamide	FAM	10	D	E		Α	Yes	1		
Furfuryl alcohol	FAL	20 ²	D	Е		А	Yes	1		
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		А	Yes	1		

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D

A/C

А

Yes

1

33

GRF



Vessel Name: **CBC 1419** Official #: 1296723

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Shipyard: Southwest Hull #: 9822

Cargo Identification								Conditions of Carriage				
		_	Compat		1		_	Vapor Re	covery	Special Requirements in 46 CFR		
Name	G.	Chern Code	Group	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N) C	VCS	151 General and Mat'ls of Construction	însp. Perio	

Gasolines: Automotive (containing not over 4,23 grams lead per	GAT	33	D	С	A	Yes	1
Gasolines: Aviation (containing not over 4,86 grams of lead per gallon)	GAV	33	D	С	A	Yes	1
Gasolines: Casinghead (natural)	GCS	33	D	A/C	A	Yes	1
Gasolines: Polymer	GPL	33	D	A/C	Α	Yes	1
Gasolines: Straight run	GSR	33	D	A/C	А	Yes	1
Glycerine	GCR	20 ²	D	E	А	Yes	1
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	С	А	Yes	1
n-Heptanoic acid	HEN	4	Ð	E	A	Yes	1
Heptanol (all isomers)	HTX	20	D	D/E	A	Yes	1
Heptene (all isomers)	HPX	30 `	D	с	A	Yes	2
Heptyl acetate	HPE	34	D	E	А	Yes	1
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	D	B/C	A	Yes	1
Hexanoic acid	нхо	4	D	E	А	Yes	1
Hexanol	HXN	20	D	D	A	Yes	1
Hexene (all isomers)	HEX	30	D	С	А	Yes	2
Hexylene glycol	HXG	20	D	E	А	Yes	1
Isophorone	IPH	18 ²	D	E	А	Yes	1
Jet fuel: JP-4	JPF	33	D	E	А	Yes	1
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D	А	Yes	1
Kerosene	KRS	33	D	D	А	Yes	1
Methyl acetate	MTT	34	D	D	A	Yes	1
Methyl alcohol	MAL	20 ²	D	С	А	Yes	1
Methylamyl acetate	MAC	34	D	D	A	Yes	1
Methylamyl alcohol	MAA	20	D	D	А	Yes	1
Methyl amyl ketone	MAK	18	D	D	А	Yes	1
Methyl tert-butyl ether	MBE	41 2	n	С	A	Yes	1
Methyl butyl ketone	MBK	18	D	С	А	Yes	1
Methyl butyrate	MBU	34	D	С	А	Yes	1
Methylcyclohexane	MCY	31	D	С	А	Yes	1
Methyl ethyl ketone	MEK	18 ²	D	С	А	Yes	1
Methyl heptyl ketone	мнк	18	D	D	А	Yes	1
Methyl isobutyl ketone	MIK	18 ²	D	С	A	Yes	1
Mineral spirits	MNS	33	D	D	А	Yes	1
Myrcene	MRE	30	D	D	А	Yes	1
Naphtha: Heavy	NAG	33	D	#	А	Yes	1
Naphtha: Petroleum	PTN	33	D	#	А	Yes	1
Naphtha: Solvent	NSV	33	D	D	А	Yes	1
Naphtha: Stoddard solvent	NSS	33	D	D	A	Yes	1

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Vessel Name: CBC 1419

Propylene glycol

Shipyard: Southwest

Official #: 1296723			Page 7	of 9					Hull #: 9822	
Cargo Identifica	ition						(Condi	tions of Carriage	
Name		Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd	Recovery VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of Construction	insp Perio
Naphtha: Varnish makers and painters (75%)	N∨M	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		А	Yes	2		
Nonyl alcohol (all isomers)	NNS	20 ²	D	E		A	Yes	1		
Nonyl phenol	NNP	21	Ð	Е		А	Yes	1		
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	Е		А	Yes	1		
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	С		А	Yes	1		
Octanoic acid (all isomers)	OAY	4	D	Е		А	Yes	1		
Octanol (all isomers)	OCX	20 ²	D	Е		А	Yes	1		
Octene (all isomers)	ОТХ	30	D	С		А	Yes	2		
Oil, fuel: No. 2	OTW	33	D	D/E		А	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. 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	Е		A	Yes	1		
Oil, misc: Residual	ORL	33	D	E		A	Yes	1		
Oil, misc: Turbine	ОТВ	33	D	E		A	Yes	1		
alpha-Olefins (C6-C18) mixtures	OAM	30	D	E		A	Yes	1		
Olefins (C13+, all isomers)	OFZ	30	D	E		A	Yes	1		-
Pentane (all isomers)	PTY	31	D	A		A	Yes	5		-
Pentene (all isomers)	PTX	30	D					5		
n-Pentyl propionate				A		A	Yes			
	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		
Isopropyl acetate	IAC	34	D	С	_	A	Yes	1		
n-Propyl acetate	PAT	34	D	С	-	A	Yes	1		
sopropyl alcohol	IPA	20 ²		С		A	Yes	1		
n-Propyl alcohol	PAL	20 2	D	С		A	Yes	1		
Propylbenzene (all isomers)	PBY	32	D	D		A	Yes	1		
sopropylcyclohexane	IPX	31	D	D		А	Yes	1		

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

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Yes

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Serial #: C1-1902030 Dated: 30-Oct-19

Certificate of Inspection Cargo Authority Attachment

Vessel Name: CBC 1419 Official #: 1296723

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Shipyard: Southwest Hull #: 9822

Carg	o Identificat	tion						Condi	tions of Carriage	
			Compat					Vapor Recovery	Special Requirements in 46 CFR	1
Name	2	Chem Code	Group	Sub Chapter	Grade	Hull Type	Tank		151 General and Mat'ls of	Insp. Period

Propylene glycol methyl ether acetate	PGN	34	Ð	D	A	Yes	1	
Propylene tetramer	PTT	30	D	D	А	Yes	1	
Sulfolane	SFL	39	D	E	А	Yes	1	
Tetraethylene glycol	TTG	40	D	E	Α	Yes	1	
Tetrahydronaphthalene	THN	32	D	Е	А	Yes	1	
Toluene	TOL	32	D	С	A	Yes	1	
Tricresyl phosphate (containing less than 1% ortho isomer)	TCP	34	D	E	А	Yes	1	
Triethylbenzene	TEB	32	D	E	A	Yes	1	
Triethylene glycol	TEG	40	D	E	А	Yes	1	
Triethyl phosphate	TPS	34	D	E	Α	Yes	1	
Trimethylbenzene (all isomers)	TRE	32	D	{D}	A	Yes	1	
Trixylyl phosphate	TRP	34	D	E	A	Yes	1	
1-Undecene	UDC	30	D	D/E	А	Yes	1	
1-Undecyl alcohol	UND	20	D	E	A	Yes	1	
Xylenes (ortho-, meta-, para-)	XLX	32	D	D	A	Yes	1	



Certificate of Inspection Cargo Authority Attachment

Vessel Name: CBC 1419 Official #: 1296723

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Shipyard: Southwest Hull #: 9822

Explanation of terms & symbols used in the Table:

Cargo Identification	
Name	The propper 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 none	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
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 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 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
Note 2	(202) 372-1425 See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart
Subchapter Subchapter D Subchapter O Note 3	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 A, B, C	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
D, E Note 4	Combustible liquid cargoes, as defined in 46 CFR 30-10 15 The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo Those subchapter O cargoes which are not classified as a flammable or combustible liquid
#	No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available
Hull Type I II III NA	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151 10-1 Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo See 46 CFR 151 10-1(b)(1) Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo See 46 CFR 151 10-1(b)(3) Designed to carry products of sufficient hazard to require a moderate degree of control See 46 CFR 151 10-1(b)(4) Not applicable to barges certificated under Subchapter D
Conditions of Carriage	
Tank Group Vapor Recovery	The vessel's lank group (as defined in Section 4) which is authorized for carriage of the named 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 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 Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo
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 20-11) 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) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safely componenets and restricting vapor flow which could lead to cargo tank overpressurization The vessel's owner must develop a method of ensuring all VCS safely 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
Category 3	(Highly loxic) 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
Calegory 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 1cargoes 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