Constant of the second			Unite	d States of	America		Certification Date:	14 Jul 2022
08 80	A			nt of Homel		ty	Expiration Date:	14 Jul 2023
				d States Coa				
		2	ary Ce	2	2	-		
		2 ST					r a SAFE MANNING DOCUMEN	
This Temporary Ce	receipt on board	d said vessel of the o	riginal certificate of insp	ection, this certificate	in no case to be va	lid after one yea	cate of inspection, and shall be ar from the date of inspection.	in force only until the
Vessel Name			Official Number	IMO Nur	nber	Call Sign	Service	
KIRBY 28191	1		1238667				Tank Barg	e
Hailing Port								
WILMINGTO			Hull Material	Hor	sepower	Propulsio	on	
VILIVIINGTO			Steel					
UNITED STA	ATES							
••••••••••								
Place Built			Delivory Data	Keel Laid Data	Gross Tons	Net Tons	DWT	Length
ASHLAND C	ITY, TN		Delivery Date	Keel Laid Date	R-1632	R-1632	Diri	R-300.0
			18May2012	20Apr2012	-	-		I-0
UNITED STA	ATES							
Owner				Opera	ator			
KIRBY INLAN					BY INLAND		LP	
55 WAUGH		E 1000			50 MARKET		20	
HOUSTON, UNITED STA					ANNELVIEW		50	
UNITED STA	1L0			011		.0		
This vessel m	ust be manne	ed with the fol	llowing licensed	and unlicense	ed Personne	I. Included	I in which there must	be
			kermen, 0 HSC					
0 Masters		0 Licensed Ma	ates 0 Chief	Engineers	0 C	liers		
0 Chief Mate	s	0 First Class F	Pilots 0 First	Assistant Engine	ers			
0 Second Ma	ates	0 Radio Office	ers 0 Seco	nd Assistant Eng	gineers			
0 Third Mate	s	0 Able Seame	n 0 Third	Assistant Engin	eers			
0 Master Firs	st Class Pilot	0 Ordinary Se	amen 0 Licen	sed Engineers				
0 Mate First		0 Deckhands		fied Member Eng				
In addition, th Persons allow		y carry 0 Pass	sengers, 0 Othe	r Persons in c	rew, 0 Perso	ons in addi	tion to crew, and no	Others. Total
			Operations					
		onditions Of		+ Coastwi	SO			
			olus Limite					
	ir weather c	only, not mor	re than twelve	e (12) miles	from shore	between	St. Marks and Carr	abelle,
Florida.								TC 111 i -
This vessel	has been gr	anted a free	sh water servi	ce examinat	ion interva 12 month pe	l per 46 riod. the	CFR 31.10-21(a)(2) vessel must be ir	. If this spected using
salt water	perated in s intervals pe	er 46 CFR 31	.10-21(a)(1) a	and the cogn	izant OCMI	notified	in writing as soor	as this
change in s	tatus occurs	3.						
This tank b	arge is part	cicipating in	n the Eighth a	Ninth Coas	t Guard Dis	trict's T	ank Barge Streamli	ned Inspection
***SEE NE	XT PAGE F	OR ADDITIO	NAL CERTIFI	CATE INFOR	RMATION**	*		
With this loss	postion for Ce	rtification hav	ing been comp	eted at Port A	Arthur TX U	NITED ST	ATES, the Officer in	Charge, Marine
Inspection, N	larine Safety	Unit Port Arth	iur certified the	vessel, in all r	espects, is in	conformit	y with the applicable	vessel inspection
laws and the		eriodic/Re-Ins	cribed thereund		This certifica	te issued l	ov: Atrat	
Date	Zone		Signati	ure			, CDR, USCG, By di	rection
Date	20110		2.9.00		Officer in Charge, M			
						Marine	Safety Unit Port Arth	ur
					Inspection Zone		1 C 1 1	
Dept. Of Home Sec.	USCG - CG-854 (Rev. 06-04)					OMB	Approved No. 1625-0057

Contraction of the second	<u>0</u>	United St	tates of America	Certificat	tion Date: 14 Jul 2022					
99-99			f Homeland Securi	ty Expiratio	on Date: 14 Jul 2023					
100 Å	~		ates Coast Guard	T						
	Tempo	rary Cert	ificate of	Inspectio	m					
and the second s										
Vessel Name: KIRBY 28	191	*								
Program (TBSIP (TAP). Inspect). Inspection activion issues concerni	vities aboard this b .ng this barge shoul	arge shall be condu d be directed to OC	icted per its Tank CMI Houston-Galvest	Barge Action Plan ton.					
Hull Exam	15									
Exam Type	Next	Exam	Last Exam	Prior E	Exam					
DryDock	DryDock 30Jun2027 28Jun2017 18May2012									
Internal Structur	e 30Jur	12027	14Jul2022	28Juni	2017					
Liquid/G	as/Solid Cargo /	Authority/Condit	ions							
Authorization:	FLAMMABLE/CON	IBUSTIBLE LIQUIDS	AND SPECIFIED HA	ZARDOUS CARGO	ES					
Total Capacity	Units	Highest Grade Type	Part153 Regulate	ed Part154 Regulated						
28500	Barrels	A	Yes	No	No					
Hazardous Bu	Ik Solids Authority									
Not Authorized	-									
ti	turinta Ctructural*									
	traints - Structural*	May Cargo Weight	per Tank (short tons)	Maximum De	unsity (Ibs/gal)					
Tank Number		867	per rank (short tons)	13.6	haity (103/gal)					
1 P/S				13.6						
2 P/S		833		13.6						
3 P/S		761		13.0						
Loading Cons	straints - Stability									
Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description						
П	3814	10ft 0in	13.6	R, LBS, LC 0-12						
Ш	4690	11ft 9in	13.6	R, LBS, LC 0-12						
Conditions O	f Carriage									
Only those care	goes named in the ves	ssel's cargo authority a and then only in the ta	ttachment (CAA), Ma nks indicated.	rine Safety Center let	tter Serial # C1-1200902					

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

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

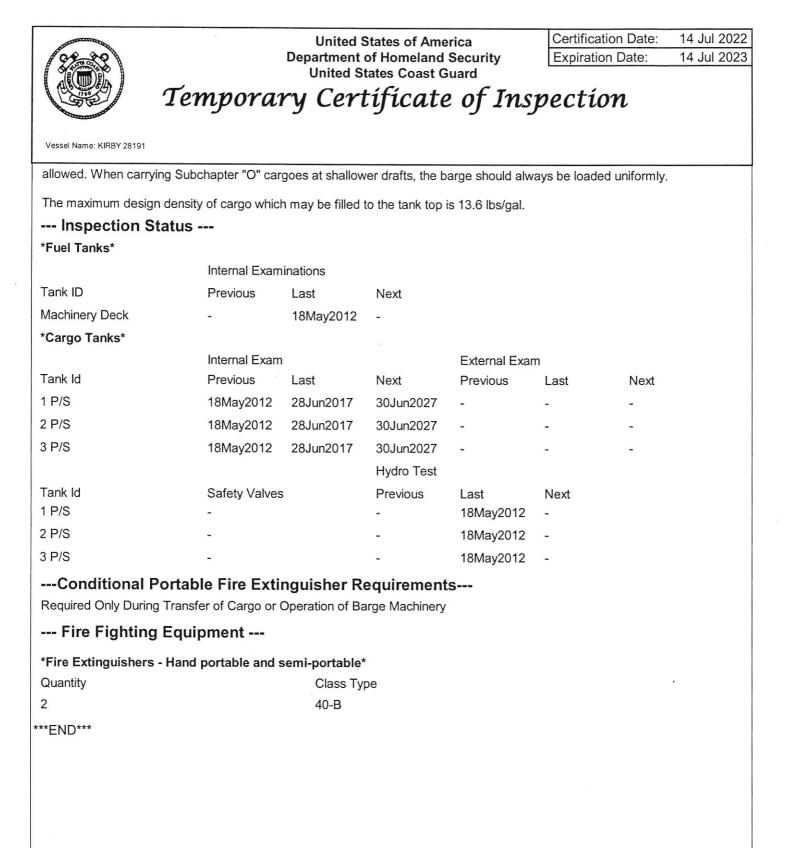
Vapor Control Authorization

Per 46 CFR 39, excluding Part 39.4000, this vessel's vapor control system (VCS) has been inspected to the plans approved by Marine Safety Center letter serial # C1-1200902, dated 15 Feb 2012, and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

Per 46 CFR 39.1017 and 39.5000(e), this vessel's VCS has been evaluated and approved for multi-breasted tandem loading with other vessels specifically approved to tandem load with this vessel.

Stability and Trim

Per 46 CFR 151.10(c) (2), the maximum tank weights listed above reflect uniform (within 5%) loading at the deepest draft





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

Serial # C1-1200902 Dated 15-Feb-12

Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28191

Shipyard: TRINITY MARINE. ASHLAND CITY Hult # 4873

Official #: 123866	57						
46 CFR 151 Tank	Group Characterist	ics			A		
Tank Group Information	Cargo Identification		Tanks	Cargo Transfer	Environmental Control		Spec
Tak Gran Tanks in Group	Density Press Temp	Cargo Hull Seg Typ Tank	Type Vent Gau	Pipe	Tanka Sonce	Fire Protection Provided	Gen

	Calgo				Carpo		Tanks		Tran	ster	Control	1	Fire	Special Require	ments		
Tanks in Group	Density	Press	Temp	Hull Typ	Seq		Vent	Gauge	Pip e Class	Cont	Tanks		Protection Provided	General	Matenals of Construction		Temp Cont
A #1P/S #2P/S #3P/S	136	Atmos	Amb.	11	10 20	Integral Gravity	₽V	Closed	н	G-1	NR	NA	Portable		55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (c), (d), (e), (f), (g),	NR	No

Notes 1 Under Environmental Control, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks

2 Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo 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

Name Chem Consult Sub Hut Tamb Application Appli	Cargo Identificatio	ก					Conditions of Carriage						
Name Code Group No Chapter Grade Type Group More No Chapter Grade Type Group More No Chapter More No Cha			1										
Actionitie ATN 37 O C III A Yes 3 Ho G Acrybninitie ACN 15 2 O C III A Yes 4 60 rate, 55 ttep; G Adigonitrie ADN 37 O E II A Yes 1 65 rbp; G AthylC7CSp nitrates AKN 34 2 O NA III A No NA 50 rbp; G Amonthin hydroxide (28% or less NH3) AMH 6 O NA III A No NA 50 rbp; G Amonthin hydroxide (28% or less NH3) AMH 6 O NA III A No NA 50 rbp; G Anthracene oil (Coal tar fraction) AMH 32 O C III A Yes 1 50 rbp; G Benzene or hydrocarbon mixtures (nonlaining Acetylene and 10% BHA 32 2 O C III A Yes 1 50 rbp; G Benzene or more; BHA 32 2 O	Name				Grade						Insp. Penod		
AcryonitieACN15CCIIIAYes3IIIAYes3IIIAAYesASo Tola, So tie,GAAdjonitileADN37OEIIIAYes1NoNAIIIANoNAVes1NoNAGAlkyl(C7-S) nitratesAKN342ONAIIIAYes1So Tola, So tie,GAmmonthylethanolamineAEE8ONAIIIAYes1So Tola, So tie,GAmmonthylethanolamineAEE8ONAIIIAYes1So Tola, So tie,GAmmonthylethanolamineAEE8ONAIIIANoN/ASo Tab, Na (A)GAmmonthylethanolamineAEE8ONAIIIANoN/ASo Tab, Na (A)GAmmonthylethanolamineAH6ONAIIIANoN/ASo Tab, Na (A)GBenzene or hydrocarbon mxtures (nonsing Activeme and 10%BH32 2OCIIIAYes1So Toe, So Tab, Toe, Tab, Tab, (B)GBenzene or hydrocarbon mxtures (10% Benzene or more)BH32 2OCIIIAYes1So Toe, So Tab, Toe, Tab, (B)GButyl extylate (a) I allomers)BAR14ODIIIAYes1So Toe, So Tab, Toe, (C) </td <td>Authorized Subchapter O Cargoes</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Authorized Subchapter O Cargoes		-										
Adiponitrite ADN 37 O E II A Yes 1 Monomation (N) G Alkyl(C7-G5) nitrates AKN 34 0 NA III A No N/A 50+150# G Aminoethylethanolamine AEE 8 0 E III A Yes 1 50+160 G Ammonium bisulitie solution (70% or less) ABX 43 2 0 NA III A No N/A 50+150+0140 G Ammonium bisulitie solution (70% or less) ABX 43 2 0 NA III A No N/A 50+160 G G Anthracene oil (Coal lar fraction) AHO 33 0 NA III A Yes 1 50-60 G Benzene or hydrocarbon mixtures (containing Acetylene and 10% BH3 32 2 0 C III A Yes 1 50-60 G G Benzene or more) BTX 32 2 0 BC III A Yes 1 50-60 G	Acetonitrile	ATN	37	0	С	181	A	Yes	3	No	G		
Alkyl(C7-C9) nitrates Arx 34 2 0 N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N	Acrylonitrile	ACN	15 2	0	С	Ш		Yes		50-70(a); 55-1(e)	G		
Amonethylethanolamine Area Area B C M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M<	Adiponitrile	ADN	37	0	E	11	A	Yes	1	No	G		
Annonium bisulfile solution (70% or less) ABX 43 2 0 NA HII A No N/A 50 75 56 Yeq. (b); (c) G Ammonium hydroxide (28% or less NH3) AMH 6 0 NA HII A No N/A 56 Yeq. (b); (c) G Anthracene oil (Coal tar fraction) AHQ 33 0 NA HI A No N/A 56 Yeq. (b); (c) G Benzene Benzene Hydrocarbon mixtures (having 10% Benzene or more) BHB 32 2 0 C HII A Yes 1 56-60 G Benzene or hydrocarbon mixtures (containing Acetylene and 10% BHA 32 2 0 C HII A Yes 1 56-60 G Benzene or more) BTX 32 0 BIC HII A Yes 1 56-60 G Butyl acrylate dail formers) BAR 14 0 D HII A Yes 1 56-760, 50-8140, (b) G Butyl acrylate dail formers) BAR 14 O D HII	Alkyl(C7-C9) nitrates	AKN	34 2	0	NA	111	A	No		50-81, 50-86	G		
Ammonium hydroxide (28% or less NH3) AMH 6 O NA III A No NA So tak fraction G Anthracene oil (Coal tar fraction) AHO 33 O NA II A No N/A So tak fraction G Benzene BNZ 32 O C III A Yes 1 So tak fraction G Benzene or hydrocarbon mixtures (containing Acetylene and 10% BHA 32 O C III A Yes 1 So 400 G Benzene or hydrocarbon mixtures (containing Acetylene and 10% BHA 32 O C III A Yes 1 So 400 G Butyl acrylate (all isomers) BAR 14 O D III A Yes 1 So 400 G Butyl acrylate (all isomers) BAR 14 O D III A Yes 1 So 400 G Camphor oil (light) C CH BAR 14 O D III A No N/A <td< td=""><td>Aminoethylethanolamine</td><td>AEE</td><td>8</td><td>0</td><td>Ë</td><td>111</td><td>A</td><td>Yes</td><td>1</td><td>55-1(b)</td><td>G</td></td<>	Aminoethylethanolamine	AEE	8	0	Ë	111	A	Yes	1	55-1(b)	G		
Anthracene oil (Coal tar fraction) AHO 33 O NA III A No NA Transmitter G Benzene BAIZ 32 O C III A Yes 1 50-60 G Benzene or hydrocarbon mixtures (containing Acelylene and 10% BHA 32 O C III A Yes 1 50-60 G Benzene or more) BHA 32 O C III A Yes 1 50-60 G Benzene or more) BTX 32 O C III A Yes 1 50-60 G G Benzene or more) BTX 32 O C III A Yes 1 50-60 G G Butyl activate (all isomers) BAR 14 O D III A Yes 1 50-704: 50-8744. (b) G Butyl activativate (all isomers) BAE 19 O C III A Yes 1 50-7104. (b) G Carabon clash	Ammonium bisulfite solution (70% or less)	ABX	43 2	0	NA	111	A	No	N/A	50-73, 56-1(a), (b), (c)	G		
Anthracene oil (Coal tar fraction) AHO 33 0 NA II A No N/A Ho G Benzene BNZ 32 0 C III A Yes 1 50-09 G Benzene or hydrocarbon mixtures (containing Acetylene and 10% BHA 32 2 0 C III A Yes 1 50-60 60 G Benzene or more) BHA 32 2 0 C III A Yes 1 50-60 56 (b) (d) (h) (d) (d) G Benzene or more) BHA 32 2 0 C III A Yes 1 50-60 56 (b) (d) (h) (d) G Benzene or more) BHA 32 2 0 BC III A Yes 1 50-60 G G III A Yes 1 50-60 G G G III A Yes 1 50-10 G G III A Yes 1 50-10 G G IIII A Yes 1 50-	Ammonium hydroxide (28% or less NH3)	АМН	6	0	NA	111	A			56-1(a), (b) (c), (f), (g)	G		
Benzene BNZ 32 0 C II A Yes 1 50-00 G Benzene or hydrocarbon mutures (hawng 10% Benzene or more) BH 32 2 0 C III A Yes 1 50-00 G Benzene or hydrocarbon mutures (containing Acetylene and 10% Benzene or more) BTX 32 0 BIC III A Yes 1 50-00 G But starts (containing Acetylene and 10% Benzene or more) BTX 32 0 BIC III A Yes 1 50-700, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-37(0, 50-3	Anthracene oil (Coal tar fraction)	AHO	33	0	NA	11	A			tio	G		
Benzene or hydrocarbon mxtures (containing Acetylene and 10%, Benzene or more) BHA 32 2 O C III A Yes 1 50-60 G Benzene or more) BTX 32 O B/C III A Yes 1 50-60 G Benzene, Tolkene, Xylene mixtures (10% Benzene or more) BTX 32 O B/C III A Yes 1 50-60 G Butyl scrylate (all isomers) BAR 14 O D III A Yes 1 55-1(h) G Butyl scrylate (all isomers) BAE 19 O C III A Yes 1 55-1(h) G Carbon tetrachioride CBT 36 O NA III A No N/A No A/A 60 G Carbon tetrachioride CBT 36 O NA III A No N/A 55-1(µ) G Caustic soda solution CPS <t< td=""><td>Benzene</td><td>BNZ</td><td>32</td><td>0</td><td>С</td><td>10</td><td></td><td></td><td></td><td>50-80</td><td>G</td></t<>	Benzene	BNZ	32	0	С	10				50-80	G		
Benzene or hydrocarbon mixtures (containing Acetylene and 10% BHA 32 0 C III A Yes 1 Sende 56-t(b), (b), (b), (b), (b), (b), (b), (b),	Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 2	0	С	10				50-60	G		
Butyl acrylate (all isomers) BAR 14 O D III A Yes 2 50-70(a) 50-81(a) (b) G Butyl methacrylate BMH 14 O D III A Yes 2 50-70(a) 50-81(a) (b) G Butyraldehyde (all isomers) BAE 19 O C III A Yes 1 55-10(b) G Cambhor oil (light) CPO 18 O D NA	Benzene or hydrocarbon mixtures (containing Acetylene and 10%	BHA	32 2	0						50-60 56-1(b), (d), (f), (g)	G		
Butyl methacrylate Butyl m	Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	0	B/C	10	A	Yes	1	50-60	G		
Butly methacrylate BMH 14 O D III A Yes 2 50-70(a), 50.81(a) (b) G Butyraldehyde (all isomers) BAE 19 O C III A Yes 1 55-1(h) G Camphor oll (light) CPO 18 O D II A No N/A No G Carbon tetrachforide CBT 36 O NA III A No N/A No G Caustic potash solution CPS 5 ² O NA III A No N/A 50-73 55-100 G Caustic soda solution CSS 5 ² O NA III A No N/A 50-73 55-100 G Chemical Oil (refined, containing phenolics) COD ZI O E III A No N/A 50-73 55-100 G Chioroberzene CRF 36 O D III		BAR	14	0	D	10				50-70(a) 50-81(a), (b)	G		
Butyraldehyde (all isomers) BAE 19 0 C III A Yes 1 55-10 G Camphor oil (light) CPO 18 0 D II A No N/A No G Carbon tetrachloride CBT 36 O NA III A No N/A No G Caustic potash solution CPS 52 O NA III A No N/A 50-73 55-10 G Caustic potash solution CPS 52 O NA III A No N/A 50-73 55-10 G Caustic potash solution CPS 52 O NA III A No N/A 50-73 55-10 G Cherobenzene CRB 36 O D III A Yes 1 No	Butyl methacrylate	ВМН	14	0	D	111	A	Yes		.50-70(a), 50-81(a) (b)	G		
Carbon tetrachloride CBT 36 O NA III A NO N/A NA NA </td <td>Butyraldehyde (all isomers)</td> <td>BAE</td> <td>19</td> <td>0</td> <td>C</td> <td></td> <td>A</td> <td>Yes</td> <td></td> <td>55-1(h)</td> <td>G</td>	Butyraldehyde (all isomers)	BAE	19	0	C		A	Yes		55-1(h)	G		
Carbon tetrachloride CBT 36 O NA III A No N/A No G Caustic potash solution CPS 5 ² O NA III A No N/A 50-73 55-10 G Caustic soda solution CSS 5 ² O NA III A No N/A 50-73 55-10 G Chemical Oil (refined, containing phenolics) COD 21 O E II A No N/A 50-73 55-10 G Chorobenzene CRB 36 O D III A Yes 1 No Mo G Chorobenzene CRF 36 O NA III A Yes 1 No G G Chorobenzene CRF 36 O NA III A Yes 1 No G G Coal tar naphtha solvent NCT 33 O </td <td>Camphor oil (light)</td> <td>СРО</td> <td>18</td> <td>0</td> <td>D</td> <td>11</td> <td></td> <td></td> <td></td> <td>No</td> <td>G</td>	Camphor oil (light)	СРО	18	0	D	11				No	G		
Caustic potash solution CPS 5 ² O NA III A No N/A 50-73 55-10 G Caustic soda solution CSS 5 ² O NA III A No N/A 50-73 55-10 G Chemical Oil (refined, containing phenolics) COD 21 O E II A No N/A 50-73 55-10 G Chemical Oil (refined, containing phenolics) COD 21 O E II A No N/A 50-73 55-10 G Chlorobenzene CRB 36 O D III A Yes 1 Mo G Chlorobenzene CRF 36 O D III A Yes 1 Mo G Colat tar naphtha solvent NCT 33 O D III A Yes 1 Mo G Creasote CCW 21 ² O	Carbon tetrachtoride	CBT	36	0	NA	III				No	G		
Caustic soda solution CSS 5 2 O NA HI A No N/A 50-73 55-1(J) G Chemical Oil (refined, containing phenolics) COD 21 O E II A No N/A 50-73 55-1(J) G Chlorobenzene CRB 36 O D III A Yes 1 No Ma G Chlorobenzene CRF 36 O NA III A Yes 1 No G Chlorobenzene CRF 36 O NA III A Yes 1 No G Coal tar naphtha solvent CRF 36 O NA III A Yes 1 So-73 So-73 G Cresosta CRF 36 O NA III A Yes 1 So-73 G G Cresosta isomers) CRW 21 2 O E	Caustic potash solution	CPS	52	0	NA					50-73. 55-1())	G		
Chemical Oil (refined, containing phenolics) COD 21 O E II A No N/A 50-73 G Chlorobenzene CRB 36 O D III A Yes 1 No G G Chlorobenzene CRB 36 O D III A Yes 1 No G Chlorobenzene CRF 36 O NA III A Yes 3 No G Coal tar naphtha solvent CRF 36 O NA III A Yes 1 50-73 G Creosote CCW 21 * O E III A Yes 1 No G Creosota (all isomers) CRS 21 O E III A Yes 1 No G Cressls (all isomers) CRX C S O NA III A No N/A	Caustic soda solution	CSS	52	0	NA					50-73 55-1())	G		
Chlorobenzene CRB 36 O D III A Yes 1 No G Chloroform CRF 36 O NA III A Yes 1 No G Collar naphtha solvent CRF 36 O NA III A Yes 3 No G Coal tar naphtha solvent NCT 33 O D III A Yes 1 50-73 G Creasote CCW 21 ² O E III A Yes 1 50-73 G Creasote (all isomers) CRS 21 O E III A Yes 1 No G Creasylate spent caustic CSC 5 O NA III A No No Ma G Creasylate spent caustic CRX O E III A Yes 1 55-1(b) G C	Chemical Oil (refined, containing phenolics)	COD	21	0	E					50-73	G		
ChloroformCRF36ONAIIIAYes3NoGCoal tar naphtha solventNCT33ODIIIAYes150-73GCreosoteCCW21 °OEIIIAYes1NoGCreosote (all isomers)CRS21OEIIIAYes1NoGCresylate spent causticCSC5ONAIIIANoN/A50-7355-1(b)GCresylate spent causticCSC5ONAIIIANoN/A50-7355-1(b)GCresylic acid tarCRXOEIIIAYes155-1(b)GCrotonaldehydeCTA19 °OCIIAYes455-1(b)GCrude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)CCH18ODIIIAYes1bit (a) (b)GCyclohexanoneCCH18ODIIIAYes1bit (a) (b)G	Chlorobenzene	CRB	36	0						No	G		
Coal tar naphtha solventNCT33ODtillAYes150-73GCreosoteCCW21 °OEIIIAYes1NoGCreosols (all isomers)CRS21 °OEIIIAYes1NoGCresslate spent causticCSC5ONAIIIAYes1NoGCresylate spent causticCSC5ONAIIIANoN/A50-7355-1(b)GCresylate cid tarCRXOEIIIAYes155-1(b)GCrotonaldehydeCTA19 °OCIIAYes455-1(b)GCrude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)CHGDCIIIAYes156-1(a) (b)GCyclohexanoneCCH18ODIIIAYes156-1(a) (b)G	Chloroform	CRF	36							No			
CreasateCCW21 ZOEIIIAYes1NoGCreasis (all isomers)CRS21OEIIIAYes1NoGCreasitate spent causticCSC5ONAIIIANoN/A50-7355-1(b)GCreasitic acid tarCRXOEIIIAYes155-1(b)GCrotonaldehydeCTA19 ZOCIIAYes455-1(b)GCrude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)CHGDCIIIAYes156-1(h)GCyclohexanoneCCH18ODIIIAYes156-1(a)G	Coal tar naphtha solvent	NCT	33	0						50-73	G		
Cresols (all isomers) CRS 21 O E III A Yes 1 No G Cresylate spent caustic CSC 5 O NA III A No N/A 50-73 55-1(b) G Cresylate spent caustic CRX O E III A Yes 1 50-73 55-1(b) G Cresylic acid tar CRX O E III A Yes 1 55-1(b) G Crotonaldehyde CTA 19* O C II A Yes 4 55-1(b) G Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein) CHG O C III A Yes 1 56-1(b) G Cyclohexanone CCH 18 O D III A Yes 1 56-1(a) (b) G	Creosote	CCW	21 2	0	E	10				No	G		
Cresylate spent caustic CSC 5 O NA III A No N/A 50-73 55-1(b) G Cresylic acid tar CRX O E III A Yes 1 55-1(b) G Crotonaldehyde CTA 19 ² O C II A Yes 4 55-1(h) G Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein) CHG O C III A Yes 1 55-1(h) G Cyclohexanone CCH 18 O D III A Yes 1 56-1(a) 6	Cresols (all isomers)	CRS	21							No			
Cresylic acid tar CRX O E III A Yes 1 55-10 G Crotonaldehyde CTA 19 2 O C II A Yes 4 55-10 G Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein) CHG O C III A Yes 4 55-10 G Cyclohexanone CCH 18 O D III A Yes 1 56-100 G	Cresylate spent caustic	CSC	5	0						50-73 .55-1(b)	G		
Crotonaldehyde CTA 19 ² O C II A Yes 4 55-1(h) G Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein) CHG O C III A No N/A No G Cyclohexanone CCH 18 O D III A Yes 1 bis 1(ak (b) G	Cresylic acid tar	CRX		0						55-1(1)	G		
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein) CHG O C III A No N/A No G Cyclohexanone CCH 18 O D III A Yes 1 56-1(ak (b)) G	Crotonaldehyde		19 2										
	Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)												
	Cyclohexanone	ССН	18	0	D		A	Yes	1	56-1(a), (b)	G		
	Cyclohexanone, Cyclohexanol mixture	CYX			E	III	A	Yes	1		G		



Serial # C1-1200902 Dated: 15-Feb-12

Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28191

Official #: 1238667

Page 2 of 8

Shipyard TRINITY MARINE, ASHLAND CITY Hull # 4873

Cargo Identificatio	Cargo Identification							Conditions of Carriage						
			1.00		-			Recovery						
Name	Chem Code CHA	Compat Group No 7	Sub Chapter O	Grade	Hull Type [2]	Tank Group A	App'd (Y or N) Yes	VCS Category	Special Requirements in 46 CFR 151 General and Mattis of 56-1(a). (b). (c). (g)	Insp Peport				
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	111	A	Yes	1	50-60, 56-1(b)	G				
iso-Decyl acrylate	IAI	14	0	E	Ш	A	Yes	2	50-70(a), 50-81(a), (b), 55-1(c)	G				
Dichlorobenzene (all isomers)	DBX	36	0	E	111	A	Yes	3	56-1(a) (b)	G				
1,1-Dichloroethane	DCH	36	0	С	m	A	Yes	1	No	G				
2.2'-Dichloroethyl ether	DEE	41	0	D		A	Yes	1	55-1(1)	G				
Dichloromethane	DCM	36	0	NA	111	A	Yes	5	No	G				
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	E	111	A	No	N/A	56-1(a) (b) (c) (g)	G				
2.4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 12	0	A	111	A	No	N/A	56-1(a) (b) (c) (g)	G				
2.4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 7	0	E		A	No	N/A	56-1(a) (b) (c) (g)	G				
1,1-Dichloropropane	DPB	36	0	С	00	A	Yes	3	No	G				
1,2-Dichloropropane	DPP	36	0	С	10	A	Yes	3	No	G				
1,3-Dichloropropane	DPC	36	0	C	III	A	Yes	3	No	G				
1,3-Dichloropropene	DPU	15	0	D		A	Yes	4	No	G				
Dichtoropropene, Dichtoropropane mixtures	DMX	15	0	C		A	Yes	1	No	G				
Diethanolamine	DEA	8	0	E	10	A	Yes	1	55-1(C)	G				
Diethylamine	DEN	7	0	c	14	A	Yes	3	55-1(c)	G				
Diethylenetriamine	DET	72	0	E	III	A	Yes	1	55 1(c)	G				
Diisobutylamine	DBU	7	0	D		A	Yes	3	55-1(c)	G				
Disopropanolamine	DIP	8	0	E	111	A	Yes	1	55-1(c)	G				
Disopropylamine	DIA	7	0	C	0	Â	Yes	3	55-1(c)	G				
N.N-Dimethylacetamide	DAC	10	0	E	18	A	Yes	3	56-1(b)	G				
Oimethylethanolamine	DMB	8	0	D	10	A	Yes	1	55-1(b) (c)	G				
Dimethylformamide	DMF	10	0	D	111	A		1	55-1(e)	G				
Din-propylamine	DNA	7	0	c	11		Yes		55-1(c)	G				
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	0	E	11	A	Yes	3	56-1(b)	G				
Dodecyl diphenyl ether disulfonate solution	DOS	43	0	#		A	No	N/A	Na	6				
EE Glycol Ether Mixture	EEG	40	0	D		A	No	N/A	Na	G				
Ethanolamine	MEA	40			00	A	No	N/A	55-1(c)	G				
Ethyl acrylate			0	E	IR	A	Yes	1						
Ethylamine solution (72% or less)	EAC	14	0	C	101	A	Yes	2	50-70(a) 50-81(a) (b)	G				
	EAN	7	0	A	11	A	Yes	6	55-1(b)	G				
N-Ethylbutylamine	EBA	7	0	D)	A	Yes	3	55-1(b)	G				
N-Ethylcyclohexylamine	ECC	7	0	D)	A	Yes	1	55-1(b)	G				
Ethylene cyanohydrin	ETC	20	0	E	111	A	Yes	1	No	G				
Ethylenediamine	EDA	72	0	D	HI	A	Yes	1	55-1(c)	G				
Ethylene dichloride	EDC	36 2	0	С	01	A	Yes	1	No	G				
Ethylene glycol hexyl ether	EGH	40	0	E		A	No	N/A	No	G				
Ethylene glycol monoalkyl ethers	EGC	40	0	D/E	III	A	Yes	1	No	G				
Ethylene glycol propyl ether	EGP	40	0	£	111	A	Yes	1	No	G				
2-Ethylhexyl acrylate	EAI	14	0	E	III	A	Yes	2	50-70(a) 50-61(a), (b)	G				
Ethyl methacrylate	ETM	14	0	D/E	01	A	Yes	2	50-70(a)	G				
2-Ethyl-3-propylacrolein	EPA	19 2	0	E	DI.	A	Yes	1	No	G				
Formaldehyde solution (37% to 50%)	FMS	19 2	0	D/E	BF	Α	Yes	1	55-1(h)	G				
Furfural	FFA	19	0	D	Ш	A	Yes	1	55-1(h)	G				
Glutaraldehyde solution (50% or less)	GTA	19	0	NA		Α	No	N/A	No	G				
Hexamethylenediamine solution	HMC	7	0	E	III	A	Yes	1	55-1(c)	G				
Hexamethyleneimine	HMI	7	0	С	11	Α	Yes	1	56-1(b), (c)	G				
Hydrocarbon 5-9	HFN		0	С	10	A	Yes	1	50-70(a), 50-81(a), (b)	G				



Page 3 of 8

Serial # C1-1200902 Dated: 15-Feb-12

Certificate of Inspection Cargo Authority Attachment

Vessel Name KIRBY 28191 Official #: 1238667

111

Shipyard: TRINITY MARINE, ASHLAND CITY Hull #: 4873

			Bge 5 (-		-		(Idd)#- 4073	
Cargo Identification						The second		Condi	tions of Carriage	
	8.11	1				H	Vapor F	Recovery		
Isoprene	Code IPR	Compat Group No		Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category		insp Pennd
Isoprene, Pentadiene mixture	IPN	30	0	A		A	Yes	7	50-70(a), 50-81(a), (b) 50-70(a), 55-1(c)	G
		5	0	B		A	No	N/A	50-73. 56-1(a). (c). (g)	G
Kraft pulping liquors (free alkali content 3% or more)(including. Black, Green, or White liquor)	KPL	3	U	NA	01	A	No	N/A	SUPPLY SUPPLYING (S)	
Mesityl oxide	MSO	18.2	0	D	10	Α	Yes	1	No	G
Methyl acrylate	MAN	14	0	С	IB	A	Yes	2	.50-70(a), :50-81(a), (b)	G
Methylcyclopentadiene dimer	MCK	30	0	С	111	A	Yes	1	No	G
Methyl diethanolamine	MDE	8	0	E	EIL	A	Yes	1	55-1(b). (c)	G
2-Methyl-5-ethylpyridine	MEP	9	0	E	01	A	Yes	1	55-1(e)	G
Methyl methacrylate	MMN	1 14	0	С	18	A	Yes	2	50.70(a) 50-81(a) (b)	G
2-Methylpyridine	MPR	9	0	D	10	A	Yes	3	55-1(c)	G
alpha-Methylstyrene	MSR	30	0	Ð	III	A	Yes	2	50-70(a), 50-81(a), (b)	G
Morpholine	MPL	72	0	D	111	A	Yes	1	55-1(c)	G
Nitroethane	NTE	42	0	D	I	A	No	N/A	50-81, 56-1(b)	G
1- or 2-Nitropropane	NPM	42	0	D	01	A	Yes	1	50-81	G
1,3-Pentadiene	PDE	30	0	A	10	A	Yes	7	50-70(a), 50-81	G
Perchloroethylene	PER	36	0	NA	10	A	No	N/A	No	G
Polyethylene polyamines	PEB	72	0	ε	10	A	Yes	1	55-1(e)	G
iso-Propanolamine	MPA	8	0	E	III	A	Yes	1	55 1(c)	G
Propanolamine (iso-, n-)	PAX	8	0	ε	III	A	Yes	1	56-1(b) (c)	G
iso-Propylamine	IPP	7	0	A	11	A	Yes	5	55-1(c)	G
Pyridine	PRD	9	0	С	HI	A	Yes	1	55-1(e)	G
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		0		U	A	No	N/A	50-73, 55-1(j)	6
Sodium aluminate solution (45% or less)	SAU	5	0	NA	01	A	No	N/A	50-73 56-1(4). (b). (c)	G
Sodium chlorate solution (50% or less)	SDD	0 1.2	0	NA		A	No	N/A	50-73	G
Sodium hypochlorite solution (20% or less)	SHQ	5	ō	NA	10	A	No	N/A	50-73 56-1(a) (b)	G
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 12	0	NA	105	A	Yes	1	50-73 55-1(b)	G
Sodkum sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 12	0	NA	III	A	No	N/A	50-73, 55-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 12	0	ALA.			him	AVA	50-73, 55-1(b)	G
Styrene (crude)	STX	0.2	0	NA D		A	No	N/A	No	G
Styrene monomer	STY	30	0	D	01	A	Yes	2	50-70(a) 50-81(a) (b)	G
1,1,2,2-Tetrachloroethane	TEC	36	0	NA	01	A	Yes	2	No	G
Tetraethylenepentamine	TTP	7	0	E	(1)	A	No	N/A	55-1(c)	G
Tetrahydrofuran	THE	41	0		10	A	Yes	1	50-70(b)	G
Toluenediamine		9		C	113	A	Yes	1		G
1.2.4-Trichlorobenzene	TDA TCB	36	0	E		A	No	N/A	-50-73, 56-1(a) (b) (c) (g) No	G
					311	A	Yes	1	50-73, 56-1(a)	0
1,1,2-Trichloroethane Trichloroethylene	TCM	36	0	NA	111	A	Yes	1		G
	TCL	36 2	0	NA	till	A	Yes	1	No To SC No.	G
1,2,3-Trichloropropane	TCN	36	0	E		A	Yes	3	50-73_56-1(a)	G
Triethanolamine	TEA	6 2	0	E	111	A	Yes	1	55-1(b)	9
Triethylamine	TEN	7	0	C		A	Yes	3	55-1(a)	G
Triethylenetetramine	TET	72	0	E	111	<u>A</u>	Yes	1	55-1(b)	G
Triphenylborane (10% or less), caustic soda solution	TPB	5	0	NA	111	A	No	N/A	56-1(a), (b) (c)	G
Trisodium phosphate solution	TSP	5	0	NA)	A	No	N/A	50-73, 56-1(a), (d)	G
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	0	NA		A	No	N/A	56-1(b)	G
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	0	NA	111	A	No	N/A	50-73, 56-1(a), (c), (g)	6
Vinyl acetate	VAM	13	0	С	111	A	Yes	2	50-70(a), 50-81(a), (b)	G



Serial #: C1-1200902 Dated: 15-Feb-12

Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28191

Official # 1238667

Page 4 of 8

Shipyard TRINITY MARINE, ASHLAND CITY Hull # 4873

Cargo Identificatio	on				-	Conditions of Carriage							
					1			Recovery					
Viny) neodecanate	Chem Code VND	Compat Group No 13	Sub Chapter O	Grade	Hull Type []]	Tank Group A	App'd (Y or N) No	VCS Category N/A	Special Requirements in 46 CFR 151 General and Mattis of 50-70(a), 50-81(a) (b)	Insp Penod			
Vinyttoluene	VNT	13	0	D		A	Yes	2	50-70(a) 50-81. 56-1(a) (b) (c). (a			
Subchapter D Cargoes Authorized for Vapor Cont	rol	-		-				-					
Acetone	ACT	18 ?	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	n panganakan na pangangan pangangan pangan				
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		A	Yes	1					
Butyl alcohol (iso-)	IAL	20 2	D	D	1	A	Yes	1					
Buty! alcohoi (n-)	BAN	20 2	D	D		A	Yes	1					
Butyl alcohol (sec-)	BAS	20 2	Ð	с		A	Yes	1					
Butyl alcohol (tert-)	BAT		D	c		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	СНХ	31	D	C		A	Yes	1					
Cyclohexanol	CHN	20	D	E		A	Yes	1					
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		A	Yes	2					
p-Cymene	CMP	32	D	D		A	Yes	1					
iso-Decaldehyde	IDA	19	D	ε		A	Yes	1					
n-Decaldehyde	DAL	19	D	E		A	Yes	1					
Decene	DCE	30	D	D		A	Yes	1					
Decyl alcohol (all isomers)	DAX	20 2	P	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	and the second s				
ortho-Dibutyl phthalate	DPA	34	D	E		A	Yes	1					
Diethylbenzene	DEB	32	D	D		A	Yes	1					
Diethylene glycol	DEG	40 2	Ð	E		A	Yes	1					
Diisobutylene	DBL	30	D	c		A	Yes	1					
Dilsobutyl ketone	DIK	18	D	D		A	Yes	1					
Diisopropylbenzene (all isomers)	DIX	32	D	E		A	Yes	1					
Dimethyl phthalate	DTL	34	D	E		A	Yes	1					
Dioctyl phthalate	DOP	34	D	E									
Dipentene	DPN	30		Ð		A	Yes	1					
Diphenyl	DIL	32		D/E		A	Yes	1					
Diphenyl, Diphenyl ether mixtures	DDO	33	-	Ę		A	Yes	1					
Diphenyl ether	DPE	41		(E)		A	Yes						
Dipropylene glycol	DPG	40		E		A	Yes	1					
Distillates Flashed feed stocks	DFF	33		E		A	Yes	1					
	B11	00	6	-			142	1					
Distillates: Straight run	DSP	-33	n	5			Vee						
Distillates: Straight run Dodecene (all isomers)	DSR DOZ	33 30		E D		A A	Yes Yes	1					



Serial #: C1-1200902 Dated: 15-Feb-12

Certificate of Inspection Cargo Authority Attachment

Vessel Name KIRBY 28191 Official #: 1238667

Page 5 of 8

Shipyard: TRINITY MARINE, ASHLAND CITY Hull #: 4873

Cargo Identification							Conditions of Carriage					
						1	Vapor	Recovery		_		
2-Ethoxyethyl acetate	Chem Code EEA	Compat Group No 34	Sub Chapter D	Grade	Huli Tvoe	Tank Group A	App'd (Y or N) Yes	VCS Category	Special Requirements in 46 CFR 151 General and Mattis of	Insp Penod		
Ethoxy triglycol (crude)	ETG	40	D	Ε		A	Yes	1				
Ethyl acetale	ETA	34	D	c		A	Yes	1				
Ethyl acetoacetate	EAA	34	D	E		A	Yes	1				
Ethyl alcohol	EAL	20 2	D	c		A	Yes	1				
Ethylbenzene	ETB	32	D	c		Ā	Yes	1				
Ethyl butanol	EBT	20	D	D		A	Yes	1				
Ethyl tert-butyl ether	EBE	41	D	C		A	Yes	1				
Ethyl butyrate	EBR	34	D	D		A	Yes	1				
Ethyl cyclohexane	ECY	31	D	D		A	Yes	1				
Ethylene glycol	EGL	20 2	D	E		A	Yes					
Ethylene glycol butyl ether acetate	EMA	34	D	E		A		1				
Ethylene glycol diacetate	EGY	34	D	Ē			Yes	1				
	EPE					A	Yes	1				
Ethylene glycol phenyl ether	EPE	40 34	D	E		.A	Yes	1				
Ethyl-3-ethoxypropionate						A	Yes	1				
2-Ethylhexanol	EHX	20	D	E		A	Yes	1				
Ethyl propionate	EPR	34	D	C		A	Yes	1				
Ethyl toluene	ETE	32	D	D		A	Yes	1				
Formamide	FAM	10	D	E		A	Yes	1				
Furfuryl alcohol	FAL	20 2	D	E		A	Yes	1				
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		A	Yes	1				
Gasoline blending stocks: Reformates	GRF	33	D	A/C		A	Yes	1				
Gasolines: Automotive (containing not over 4.23 grams lead per galion)	GAT	33	D	C		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	Ð	A/C		A	Yes	1				
Gesolines: 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	С		A	Yes	1				
Heptanoic acid	HEP	4	D	E		A	Yes	1				
Heptanol (all isomers)	HTX	20	D	D/E		A	Yes	1				
Heptene (all isomers)	HPX	30	D	C		Α	Yes	2				
Heptyl acetate	HPE	34	D	E		Α	Yes	1				
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 2	D	B/C		Α	Yes	1				
Hexanoic acid	HXO	4	D	E		А	Yes	1				
Hexanol	HXN	20	D	D		A	Yes	1				
Hexene (all isomers)	HEX	30	D	С		A	Yes	2				
Hexylene glycol	HXG	20	D	E		A	Yes	1				
Isophorone	IPH	18 2	D	E		A	Yes	1				
Jet fuet: JP-4	JPF	33	D	E		А	Yes	1				
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		A	Yes	1				
Kerosene	KRS	33	D	D		A	Yes	1				
Methyl acetate			D	D		A	Yes	1				
Moury acatate	MTT	34	U	0		-	144					
Methyl alcohol	MTT	34 20 7	D	c		A	Yes	1				
Methyl alcohol	MAL	20 7	D	С		A	Yes	1				



Serial #: C1-1200902 Dated: 15-Feb-12

Certificate of Inspection Cargo Authority Attachment

Vessel Name KIRBY 28191

Official #: 1238667

Page 6 of 8

Shipyard: TRINITY MARINE, ASHLAND CITY Hull #: 4873

Name Come Care Grant // Come (Grant // Come Methylestopic) State (Same // Come // Com	Cargo Identificatio	n		_	_				Condi	tions of Continue	
bann bann <th< th=""><th></th><th>-</th><th></th><th>-</th><th></th><th>_</th><th></th><th></th><th></th><th>tions of Carriage</th><th></th></th<>		-		-		_				tions of Carriage	
Methy Luty LatoneMEK6DCAYes1Methy Luty LatoneMEK18DCAYes1Methy StatoneMKK18DDAYes1Methy LatoneMKK18DDAYes1Methy Inspir. MathiaMKK33DEAYes1Methy Inspir. MathiaMKK33DDAYes1Methy Inspir. MathiaMKK33DDAYes1MycaneMKR33DFAYes1Naphtha PatrolaumPTN33DDAYes1Naphtha Stodderd solventNSS33DDAYes1Naphtha Stodderd solventNSS33DDAYes1Naphtha Stodderd solventNSS33DDAYes1Nonen (iii loomes)NAN30DDAYes1Nony Indend (iii loomes)NAN30DDAYes1Nony Indend (iii loomes)NAN30DCAYes1Nony Indend (iii loomes)NAN30DCAYes1Nony Indend (iii loomes)NAN30DCAYes1Nony Indend (iii loomes)CA31DCAYes1Nony I		Code	Group No	Chapter			Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Matte of	
Methy daty identyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMethyMe	Methyl butyl ketone	MBK	18	D							
Methy lactoneMEK180CAYes1Methy lactoneMIK1800AYes1Methy lactone (moken)MIX320CAYes1Methy lactone (moken)MIX3300AYes1Mineral spritsMIX3300AYes1MycteneMAC3300AYes1MycteneMAC3300AYes1Maphtha PetroleumMIX3300AYes1Naphtha Stodard solventMSS3300AYes1Naphtha Stodard solventMSS3300AYes1Naphtha Stodard solventMSS3300AYes1Nonne (all isomers)see Alkanes (C-C9)MXX310CAYes1Nonny lacton (all isomers)MNN300DAYes1Nonny lacton (all isomers)MNX310CAYes1Nonny lacton (all isomers)MNX310CAYes1Octane (all isomers)MXX310CAYes1Octane (all isomers)MXX310CAYes1Octane (all isomers)MXX330DCAYes <td< td=""><td>Methyl butyrate</td><td>MBU</td><td>34</td><td>D</td><td>с</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Methyl butyrate	MBU	34	D	с						
Methy hepyh ketoneMeikH8PDAYes1Methy doxyh ketoneMKA32DEAYes1Methy aphthalene (moken)MKA32DDAYes1Mineral spiritsMKS33DDAYes1Maphta PetrofeomMRE33DFAYes1Naphta PetrofeomMKN33DFAYes1Naphta PetrofeomMKN33DCAYes1Naphta SolveriMKN33DCAYes1Naphta SolveriMKN33DCAYes1Naphta SolveriMKN33DCAYes1Naphta SolveriMKN30DDAYes1Nonene (ali somers)MKN30DCAYes1Nongh pherol Soly(4-ylehxyklasMEEAYes11Nony pherol Soly(4-ylehxyklasMEEAYes11Catano acid (ali somers)AK31DCAYes1Nony pherol Soly(4-ylehxyklasMEEAYes111Nony pherol Soly(4-ylehxyklasMEEAYes11Octano acid (ali somers)AYes1111Nony pherol Soly(4-ylehxyklasMEEAYes1 <t< td=""><td>Methyl ethyl ketone</td><td>MEK</td><td>18 2</td><td>D</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Methyl ethyl ketone	MEK	18 2	D	-						
MethyMethyMNA32DCAYes1Mineral sprifsMNA33DDAYes1Mineral sprifsMNA33DDAYes1MyctaniMRE30DDAYes1MyctaniMRE30DFAYes1MyctaniMRE33DFAYes1Maphth SolveriMSS33DDAYes1Naphth SolveriMSS33DDAYes1Naphth SolveriMSS33DDAYes1Maphth SolveriMSS33DDAYes1Naphth SolveriMSS33DDAYes1Maphth SolveriMSS33DDAYes1Naphth SolveriMSS33DDAYes1Nonen (ali somes)MSS30DEAYes1Nonen (ali somes)MSS31DEAYes1Nonyl abold (ali somes)MSS33DEAYes1Catani (ali somes)GAY40DEAYes1Oftan (ali somes)GAY33DDEAYes1Oftan (ali somes)GAY33DDEAYes1 <td>Methyl heptyl ketone</td> <td>MHK</td> <td>18</td> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Methyl heptyl ketone	MHK	18	D							
Methy inpatintation (molen)NNA32DEAYes1MyrcaneMNE30DDAYes1MyrcaneMRE30DDAYes1Maphine HeavyNAG33DBAYes1Naphine SolveriNSV33DDAYes1Naphine SolveriNSV33DDAYes1Naphine SolveriNSV33DDAYes1Naphine SolveriNSV33DDAYes1Naphine SolveriNSN30DDAYes1Naphine SolveriNSN30DDAYes1Nonane (all isomers)NSN20DAYes1Nony iphenol col/(4) elfoxylatesNE40DEAYes1Cotance (all domers)OX31DCAYes1Cotance (all domers)OX31DCAYes1Cotance (all domers)OX31DCAYes1Cotance (all domers)OX31DCAYes1Cotance (all domers)OX31DCAYes1Cotance (all domers)OX33DDAYes1Cotance (all domers)OX33D	Methyl isobutyl ketone	МІК	18 2	D	с						
Mineral spirits MNS 83 D D A Yes 1 Naphtha Heavy MAG 33 D F A Yes 1 Naphtha Petroleum PTN 33 D F A Yes 1 Naphtha Stockerdin PTN 33 D D A Yes 1 Naphtha Stockerdin sokera PSN 33 D D A Yes 1 Naphtha Stockerdin sokera PSN 33 D D A Yes 1 Naphtha Yeshin Mackra and painters (75%) NAX 31 D D A Yes 1 Nonnyi etoch (16 isomers) NAX 31 D D A Yes 1 Nonyi ptenol fond(1-spinkers) NNN 20 D E A Yes 1 Octane (all somers) OAX 31 D C A Yes 1 Octane (all somers) OAX 31 D C A Yes 1 Octane (all somers) </td <td>Methyl naphthalene (motten)</td> <td>MNA</td> <td>32</td> <td>D</td> <td>E</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Methyl naphthalene (motten)	MNA	32	D	E						
Mycane MRE 30 D A Yes 1 Naphtha Petroleum PTN 33 D # A Yes 1 Naphtha SolverI NSV 33 D # A Yes 1 Naphtha SolverI NSV 33 D D A Yes 1 Naphtha SolverI NSV 33 D D A Yes 1 Naphtha SolverI NSV 33 D D A Yes 1 Naphtha SolverI NSV 33 D D A Yes 1 Naphtha SolverI NSV 33 D D A Yes 1 Nond pherol NSV 33 D D A Yes 1 Octane (all somers) OK 40 D C A Yes 1 Octane (all somers) OK 33 D DE A Yes	Mineral spirits	MNS	33	D	D						
Naphtha NAG 33 D # A Yes 1 Naphtha Solvent NSV 33 D D A Yes 1 Naphtha Solvent NSV 33 D D A Yes 1 Naphtha Solvent NSV 33 D D A Yes 1 Naphtha Solvent NSV 33 D D A Yes 1 Nonnare (all somers) NNN 30 D C A Yes 1 Nonny laticohol (all somers) NNN S0 D E A Yes 1 Nony laticohol (all somers) OXA 31 D C A Yes 1 Octance (all somers) OXA 31 D C A Yes 1 Octance (all somers) OXA 20 D E A Yes 1 Octance (all somers) <td>Myrcene</td> <td>MRE</td> <td>30</td> <td>D</td> <td>D</td> <td></td> <td>A</td> <td></td> <td></td> <td></td> <td></td>	Myrcene	MRE	30	D	D		A				
NaphthalPTN33D#AYes1NaphthalNSV33DDAYes1NaphthalStodard solventNSV33DCAYes1NaphthalStodard solventNVM33DCAYes1NaphthalNonane (all isomers)NVM33DDAYes1Nonane (all isomers)NNN20DDAYes1Nonane (all isomers)NNN20DEAYes1Nonane (all isomers)NNN20DEAYes1Nonty Isomors)NNN20DEAYes1Nonty Isomors)NNN20DEAYes1Nonty Isomors)OXX1DCAYes1Octane (all isomers)OXX1DCAYes1Octane (all isomers)OXX31DDEAYes1Octane (all isomers)OX33DDEAYes1Outine (all isomers)OX33DDEAYes1Old IsoOCAYes111Old IsoOF33DDEAYes1Old IsoOCCDCAYes11Old Iso <t< td=""><td>Naphtha Heavy</td><td>NAG</td><td>33</td><td>D</td><td>#</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Naphtha Heavy	NAG	33	D	#						
Naphthal Solv S3 D D A Yes 1 Naphthal Stoddard solvent NSS 33 D D A Yes 1 Naphthal Stoddard solvent NKK 31 D D A Yes 1 Nonane (all somers) NKK 31 D D A Yes 1 Nonane (all somers) NKK 20 D E A Yes 1 Nonyl phenol NKK 20 D E A Yes 1 Nonyl phenol NKK 21 D E A Yes 1 Octanci (all somers) GAX 31 D C A Yes 1 Octanci (all somers) GAX 31 D C A Yes 1 Octanci (all somers) GAX 32 D E A Yes 1 Octanci (all somers) GAX <td< td=""><td>Naphtha Petroleum</td><td>PTN</td><td>33</td><td>D</td><td>#</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Naphtha Petroleum	PTN	33	D	#						
Naphtha: NSS 33 D A Yes 1 Naphtha: Vamidation and painters (75%) NVM 33 D C A Yes 1 Nonane (all somers) NAMA 31 D D A Yes 1 Nonane (all somers) NAMA 30 D D A Yes 1 Nony Internol NS 20 ? D E A Yes 1 Nony Internol poly(4) stinters (C6-C9) NAX 31 D C A Yes 1 Octanoic acid (all isomers) CAX 31 D C A Yes 1 Octanoic acid (all isomers) CAX 33 D DE A Yes 1 Octanoic acid (all isomers) CAX 33 D DE A Yes 1 Octanoic acid (all isomers) CAX 33 D DE A Yes 1 Other No 2 <t< td=""><td>Naphtha. Solvent</td><td>NSV</td><td>33</td><td>D</td><td>D</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Naphtha. Solvent	NSV	33	D	D						
Naphtline Varnish makers and painters (75%)NVM33DCAYes1Nonane (all somers) see Alkanes (C5-C8)NXX31DDAYes1Nonne (all somers)NNS20 ?DEAYes1Nonyl phenolNNP21DEAYes1Nonyl phenolNNP21DEAYes1Nonyl phenol poly(4-)ethorylatesNPE40DEAYes1Octanoc scil (all isomers)CAX31DCAYes1Octanoc scil (all isomers)CX20 ?DEAYes1Octanoc scil (all isomers)CX20 ?DEAYes1Octanoc scil (all isomers)CX20 ?DEAYes1Octanoc scil (all isomers)CX20 ?DEAYes1Octanoc scil (all isomers)CX20 ?DEAYes1Ottanoc scil (all isomers)CX20 ?DCAYes1Ottanoc scil (all isomers)CX30 DDCAYes1Ottanoc scil (all isomers)CX30 DDCAYes1Ottanoc scil (all isomers)CY33 DDDEAYes1Ol, fuel No 5CCAYes111Ol, fuel No	Naphtha. Stoddard solvent	NSS	33	D	D						
Noname (all isomers). see Alkanes (CG-CG) NAX 31 D D A Yes 1 Noname (all isomers) NON 30 D D A Yes 1 Nonyl alcohol (all isomers) NNN 20 D E A Yes 1 Nonyl phenol NNP 21 D E A Yes 1 Nonyl phenol poly(4+)ehoxylats NPE 40 D E A Yes 1 Octanol (all isomers) CAX 31 D C A Yes 1 Octanol (all isomers) CAX 31 D C A Yes 1 Octanol (all isomers) CAX 31 D C A Yes 1 Octanol (all isomers) CAX 33 D D/E A Yes 1 Oltanol (all isomers) CAY 33 D D/E A Yes 1 Oltanol (A OFR <td>Naphtha: Vamish makers and painters (75%)</td> <td>NVM</td> <td>33</td> <td>Ð</td> <td>с</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Naphtha: Vamish makers and painters (75%)	NVM	33	Ð	с						
None (all somers) NON 30 D A Yes 2 Nonyl plenol poly(4-)ethoxylates NNS 20 ³ D E A Yes 1 Nonyl plenol poly(4-)ethoxylates NPE 40 D E A Yes 1 Octano Laci (all somers) OAX 31 D C A Yes 1 Octano Laci (all somers) OAY 4 D E A Yes 1 Octano Laci (all somers) OAY 4 D E A Yes 1 Octano Laci (all somers) OAY 30 D C A Yes 1 Octano Laci (all somers) OAY 30 D DE A Yes 1 Octano Laci (all somers) OAY 30 D DE A Yes 1 Ottanot So OTV 33 D DE A Yes 1 Ol, Net No S OSX 33	Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D							
Nonyl phenol NNS 20 2 D E A Yes 1 Nonyl phenol NNP 21 D E A Yes 1 Nonyl phenol NNP 21 D E A Yes 1 Octanol poly(4-)ethoxylates NPE 40 D E A Yes 1 Octanol call isomers) OAX 31 D C A Yes 1 Octanol (all isomers) OAX 31 D E A Yes 1 Octanol (all isomers) OAX 30 D C A Yes 1 Octanol (all isomers) OTX 30 D D A Yes 1 Oll, fuel No 2-D OTO 33 D D/E A Yes 1 Oll, fuel No 5 OFV 33 D D/E A Yes 1 Oll, fuel No 5 OS 33 D D/E A Yes 1 Oll, fuel No 5 OL S <td>Nonene (all isomers)</td> <td>NON</td> <td>30</td> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Nonene (all isomers)	NON	30	D							
Nonly benol NNP 21 D E A Yes 1 Nonly benol poly(4-betharylates NPE 40 D E A Yes 1 Cotanoi (all somers) COAR (all somers) OAX 4 D E A Yes 1 Octanoi (all somers) OAX 4 D E A Yes 1 Octanoi (all somers) OCX 20 ? D E A Yes 1 Octanoi (all somers) OCX 20 ? D E A Yes 1 Octanoi (all somers) OCX 20 ? D D A Yes 1 Odi, fuel No 2 OTW 33 D D/E A Yes 1 Oil, fuel No 5 OFW 33 D D/E A Yes 1 Oll, fuel No 5 OFW 33 D C/D A Yes 1 Oll, fuel No 5 O	Nony! alcohol (all isomers)	NNS	20 2	D							
Nordy phenol poly(4+)eithoxylates NPE 40 D E A Yes 1 Octano (all isomers) OAX 31 D C A Yes 1 Octanol (all isomers) OAY 4 D E A Yes 1 Octanol (all isomers) OX 20 ? D E A Yes 1 Octanol (all isomers) OX 30 D C A Yes 1 Ottanol (all No 2-D OTD 33 D D/E A Yes 1 Ol, fuel No 2 OTO OTS 33 D D/E A Yes 1 Ol, fuel No 5 OFV 33 D D/E A Yes 1 Ol, fuel No 5 OSX 33 D D/E A Yes 1 Ol, fuel No 5 OSX 33 D D/E A Yes 1 Ol, misc. Crude OLB OS 33 D E A Yes 1 Ol, misc. Desel <td>Nonyl phenol</td> <td>NNP</td> <td>21</td> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Nonyl phenol	NNP	21	D							
Octane (all isomers). see Alkanes (C6-C9) OAX 31 D C A Yes 1 Octanol caid (all isomers) OCX 4 D E A Yes 1 Octanol (all isomers) OCX 20 D E A Yes 1 Octanol (all isomers) OTX 30 D C A Yes 1 Octanol (all isomers) OTX 30 D C A Yes 1 Octanol (all isomers) OTX 33 D D/E A Yes 1 Oll, fuel No 2 OTD 33 D D/E A Yes 1 Oll, fuel No 5 OFV 33 D D/E A Yes 1 Oll, fuel No 5 OSX 33 D C/D A Yes 1 Oll, fuel No 5 OLG A Yes 1 O A Yes 1 Oll, fuel No 5 OLG <td>Nonyl phenol poly(4+)ethoxylates</td> <td>NPE</td> <td>40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>	Nonyl phenol poly(4+)ethoxylates	NPE	40								-
Octanoic acid (all isomers) OAY 4 D E A Yes 1 Octanoi (all isomers) OCX 20 ° D E A Yes 1 Octanoi (all isomers) OTX 30 D C A Yes 1 Octanoi (all isomers) OTX 33 D D/E A Yes 1 Oil, fuel No 2 OTV 33 D D/E A Yes 1 Oil, fuel No 2 OTD 33 D D/E A Yes 1 Oil, fuel No 5 OFV 33 D D/E A Yes 1 Oil, fuel No 5 OFV 33 D E A Yes 1 Oll, fuel No 6 OSX 33 D E A Yes 1 Oll, fuel No 6 OSX 33 D E A Yes 1 Oll, fuel No 6 OL S D	Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D							
Octanol (all isomers) OCX 20 ² D E A Yes 1 Octanol (all isomers) OTX 30 D C A Yes 1 Oli, fuel No 2-0 OTD 33 D D/E A Yes 1 Oil, fuel No 2-D OTD 33 D D/E A Yes 1 Oil, fuel No 2-D OTD 33 D D/E A Yes 1 Oil, fuel No 5 OFV 33 D D/E A Yes 1 Oil, fuel No 5 OFV 33 D D/E A Yes 1 Oil, fuel No 5 OFV 33 D D/E A Yes 1 Oil, fuel No 6 OSX 33 D D/E A Yes 1 Oil, misc Caude ODS 33 D E A Yes 1 Oil, misc Caush (all isomers) OTB 33 D	Octanoic acid (all isomers)	OAY	4	D							
Octene (all isomers) OTX 30 D C A Yes 2 Oil, luel No 2 OTW 33 D D/E A Yes 1 Oil, luel No 2 OTW 33 D D/E A Yes 1 Oil, luel No 2 OTD OTD 33 D D/E A Yes 1 Oil, luel No 4 OFR 33 D D/E A Yes 1 Oil, fuel No 5 OFV 33 D D/E A Yes 1 Oil, misc Crude OIL 33 D D/E A Yes 1 Oil, misc Cas, high pour OGP 33 D E A Yes 1 Oil, misc Cas, high pour ORL 33 D E A Yes 1 Oil, misc Cas, high pour ORL 33 D E A Yes 1 Oil, misc Cas, high pour ORL	Octanol (all isomers)	ocx	20 2				The second second				
OII, fuel No. 2 OTW 33 D D/E A Yes 1 Oil, fuel No. 2-D OTD 33 D D A Yes 1 Oil, fuel No. 2-D OTP 33 D D/E A Yes 1 Oil, fuel No. 5 OFV 33 D D/E A Yes 1 Oil, fuel No. 5 OFV 33 D D/E A Yes 1 Oil, fuel No. 6 OSX 33 D E A Yes 1 Oil, fuel No. 6 OSX 33 D E A Yes 1 Oil, misc Clesel ODS 33 D E A Yes 1 Oll, misc Cashigh pour OEB 33 D E A Yes 1 Oll, misc Cashigh pour OLB 33 D E A Yes 1 Oil, misc Residual ORL 33 D E A Yes 1 Oil, misc Insomers) PTY 31 <td< td=""><td>Octene (all isomers)</td><td>OTX</td><td>30</td><td>D</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Octene (all isomers)	OTX	30	D	_						
Oil, fuel No. 2-D OTD 33 D D A Yes 1 Oil, fuel No. 4 OFR 33 D D/E A Yes 1 Oil, fuel No. 5 OFV 33 D D/E A Yes 1 Oil, fuel No. 5 OFV 33 D D/E A Yes 1 Oil, misc. Crude OIL 33 D C/D A Yes 1 Oil, misc. Crude OIL 33 D D/E A Yes 1 Oil, misc. Diesel ODS 33 D E A Yes 1 Oil, misc. Unicrating OLB 33 D E A Yes 1 Oil, misc. Unicrating ORL 33 D E A Yes 1 Oil, misc. Turbine ORB 33 D E A Yes 1 Oil, misc. Turbine OTB 33 D E A Yes 1 Oil, misc. Turbine OTD A <	Oil, fuel: No. 2	OTW	33	D							
Oil, fuel: No.4 OFR 33 D D/E A Yes 1 Oil, fuel: No.5 OFV 33 D D/E A Yes 1 Oil, fuel: No.6 OSX 33 D E A Yes 1 Oil, fuel: No.6 OSX 33 D E A Yes 1 Oil, misc: Crude OIL 33 D D/E A Yes 1 Oil, misc: Clude OIL 33 D D/E A Yes 1 Oil, misc: Lubricating OLB 33 D E A Yes 1 Oil, misc: Lubricating OLB 33 D E A Yes 1 Oil, misc: Turbine ORL 33 D E A Yes 1 Pentane (all isomers) PTY 30 D A A Yes 1 Poly(2-B)alkylene glycol monoalkyl(C1-C6) ether PAG 30 </td <td>Oil, fuel No. 2-D</td> <td>OTO</td> <td>33</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Oil, fuel No. 2-D	OTO	33								
OII, fuel No 5 OFV 33 D D/E A Yes 1 OII, fuel No 6 OSX 33 D E A Yes 1 OII, misc Crude OIL 33 D C/D A Yes 1 OII, misc Crude ODS 33 D D/E A Yes 1 OII, misc Clesel ODS 33 D D/E A Yes 1 OII, misc Clubricating OGP 33 D E A Yes 1 OII, misc Clubricating ORL 33 D E A Yes 1 OII, misc Turbine ORB 33 D E A Yes 1 Pentane (all isomers) PTY 31 D A A Yes 5 Pentane (all isomers) PTX 30 D A Yes 1 alpha-Pinene PIO 30 D D <t< td=""><td>Oil, fuel: No. 4</td><td>OFR</td><td>33</td><td>D</td><td>D/E</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Oil, fuel: No. 4	OFR	33	D	D/E						
Oli, fuel No 6 DSX 33 D E A Yes 1 Oli, misc. Crude OIL 33 D C/D A Yes 1 Oli, misc. Clesel ODS 33 D D/E A Yes 1 Oli, misc. Clesel ODS 33 D E A Yes 1 Oli, misc. Clubriciting OLB 33 D E A Yes 1 Oli, misc. Clubriciting ORL 33 D E A Yes 1 Oli, misc. Turbine ORL 33 D E A Yes 1 Oli, misc. Turbine OTB 33 D E A Yes 1 Oli, misc. Turbine OTB 33 D E A Yes 1 Oli, misc. Turbine OTB 33 D E A Yes 1 Oli, misc. Turbine OTB 33 D	Oll, fuel: No. 5	OFV	33	D	D/E					· · · · · · · · · · · · · · · · · · ·	
Oil, misc: Crude Oil, 33 D C/D A Yes 1 Oil, misc: Diesel ODS 33 D D/E A Yes 1 Oil, misc: Cas, high pour OGP 33 D E A Yes 1 Oil, misc: Lubricating OLB 33 D E A Yes 1 Oil, misc: Residual ORL 33 D E A Yes 1 Oil, misc: Turbine ORB 33 D E A Yes 1 Pentane (all isomers) PTY 31 D A Yes 5 Pentene (all isomers) PTX 30 D A Yes 1 beta-Pinene PIP 34 D D A Yes 1 beta-Pinene PIP 30 D D A Yes 1 beta-Pinene PIP 30 D D A Yes 1 Poly(28)alkylene glycol monoalkyl(C1-C6) ether acetate PAF 34 D	Oil, fuel: No. 5	OSX	33	D	E						
Oil, misc. Diesel ODS 33 D D/E A Yes 1 Oll, misc. Gas, high pour OGP 33 D E A Yes 1 Oll, misc. Cas, high pour OLB 33 D E A Yes 1 Oil, misc. Lubricating OLB 33 D E A Yes 1 Oil, misc. Residual ORL 33 D E A Yes 1 Oil, misc. Turbine OTB 33 D E A Yes 1 Pentane (all isomers) PTY 31 D A A Yes 5 Pentene (all isomers) PTY 30 D A Yes 1 alpha-Pinene PIE 34 D D A Yes 1 Poly(2-8)alkylene glycol monoalkyll(C1-C6) ether PAG 40 D E A Yes 1 PolyC2-8)alkylene glycol monoalkyll(C1-C6) ether acetate	Oil, misc. Crude	OIL	33	D							
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Oll, misc. ResidualORL33DEAYes1Oll, misc. TurbineOTB33DEAYes1Pentane (all isomers)PTY31DAAYes5Pentene (all isomers)PTX30DAAYes5Pentene (all isomers)PTX30DAAYes5n-Pentyl propionalePPE34DDAYes1alpha-PinenePIO30DDAYes1beta-PinenePIP30DDAYes1Poly(2-8)alkylene glycol monoalkyl(C1-C6) etherPAG40DEAYes1Polyt2-8)alkylene glycol monoalkyl(C1-C6) ether acetatePAF34DEAYes1Polyt2-8)alkylene glycol monoalkyl(C1-C6) ether acetatePAF34DEAYes1Polyt2-8)alkylene glycol monoalkyl(C1-C6) ether acetatePAF34DEAYes1Polyt2-8)alkylene glycolglycolPGC40DEAYes1Polyt2-8)alkylene glycolmonoalkyl(C1-C6) ether acetatePAF34DCAYes1Polyt2-8)alkylene glycolglycolPGC40DEAYes1Polyt2-8)alkylene glycolglycolPGC40DEAYes1polytopy	Oil, misc: Lubricating	OLB	33								
Oil, misc: Turbine OTB 33 D E A Yes 1 Pentane (all isomers) PTY 31 D A A Yes 5 Pentane (all isomers) PTX 30 D A A Yes 5 Pentene (all isomers) PTX 30 D A A Yes 5 n-Pentyl propionate PPE 34 D D A Yes 1 alpha-Pinene PIO 30 D D A Yes 1 beta-Pinene PIP 30 D D A Yes 1 Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether PAG 40 D E A Yes 1 Poly02-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 Poly02-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 Polytopylacetate IAC 34 D C A Yes 1	Oil, misc: Residual	ORL	33	D							
Pentane (all isomers)PTY31DAAYes5Pentene (all isomers)PTX30DAAYes5n-Pentyl propionatePPE34DDAYes1alpha-PinenePIO30DDDAYes1beta-PinenePIP30DDAYes1Poly(2-8)alkylene glycol monoalkyl(C1-C6) etherPAG40DEAYes1Poly02-8)alkylene glycol monoalkyl(C1-C6) ether acetatePAF34DEAYes1Poly02-8)alkylene glycol monoalkyl(C1-C6) ether acetatePAF34DCAYes1Poly02-8)alkylene glycol monoalkyl(C1-C6) ether acetatePAF34DCAYes1Poly02-8)alkylene glycolIAYes1IAIAYes1Poly02-8IAYes1IAIAYes1Iso-Propyl acetateIAYes1IAIA	Oil, misc: Turbine	OTB	33	D							
Pentene (all isomers) PTX 30 D A Yes 5 n-Pentyl propionate PPE 34 D D A Yes 1 alpha-Pinene PIO 30 D D A Yes 1 beta-Pinene PIO 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 Poly02-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 Poly02-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 Polybutene PLB 30 D E A Yes 1 Polybutene PLB 30 D E A Yes 1 Polybutene PAT 34 D C A Yes 1 <td>Pentane (all isomers)</td> <td>PTY</td> <td>31</td> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Pentane (all isomers)	PTY	31	D							
n-Pentyl propionate PPE 34 D D A Yes 1 alpha-Pinene PiO 30 D D A Yes 1 beta-Pinene PiP 30 D D A Yes 1 Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether PAG 40 D E A Yes 1 Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 Poly02-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 Poly0tene PLB 30 D E A Yes 1 Polybutene PLB 30 D E A Yes 1 Polyborpylacetate IAC 34 D E A Yes 1 n-Propyl acetate IAC 34 D C A Yes 1 iso-Propyl acetate PAT 34 D C A Yes 1 <	Pentene (all isomers)	PTX	30	D							<u> </u>
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 acetate PAG 40 D E A Yes 1 Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAG 34 D E A Yes 1 Polyd2-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAG 34 D E A Yes 1 Polybutene PLB 30 D E A Yes 1 Polybutene PLB 30 D E A Yes 1 Polybutene PLB 30 D E A Yes 1 Polybutene PGC 40 D E A Yes 1 Polybutene PGC 34 D C A Yes 1 n-Propyl acetate PAT 34 D C A Yes 1 iso-Propyl a	n-Pentyl propionate	PPE									
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Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetatePAF34DEAYes1PolybutenePLB30DEAYes1Polybropylene glycolPGC40DEAYes1iso-Propyl acetateIAC34DCAYes1n-Propyl acetatePAT34DCAYes1iso-Propyl alcoholIPA20DCAYes1n-Propyl alcoholPAL20DCAYes1	Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether										
Polybutene PLB 30 D E A Yes 1 Polybropylene glycol PGC 40 D E A Yes 1 iso-Propyl acetate IAC 34 D C A Yes 1 n-Propyl acetate PAT 34 D C A Yes 1 iso-Propyl acetate IPA 20 ² D C A Yes 1 n-Propyl alcohol IPA 20 ² D C A Yes 1 n-Propyl alcohol IPA 20 ² D C A Yes 1											
Polypropylene glycol PGC 40 D E A Yes 1 iso-Propyl acetate IAC 34 D C A Yes 1 n-Propyl acetate PAT 34 D C A Yes 1 iso-Propyl acetate PAT 34 D C A Yes 1 iso-Propyl acetate IPA 20 ² D C A Yes 1 r-Propyl alcohol IPA 20 ² D C A Yes 1											
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n-Propyl acetate PAT 34 D C A Yes 1 iso-Propyl alcohol IPA 20 ² D C A Yes 1 n-Propyl alcohol PAL 20 ² D C A Yes 1	iso-Propyl acetate										
iso-Propyl alcohol IPA 20 2 D C A Yes 1 n-Propyl alcohol PAL 20 2 D C A Yes 1	n-Propyl acetate										
n-Propyl alcohol PAL 20 ° D C A Yes 1	iso-Propyl alcohol										
	n-Propyl alcohol										
	Propylbenzene (all isomers)	PBY	32		D		A	Yes	1		



Senal # C1-1200902 Dated 15-Feb-12

Certificate of Inspection Cargo Authority Attachment

Vessel Name KIRBY 28191 Official #: 1238667

Page 7 of 8

Shipyard TRINITY MARINE, ASHLAND CITY Hull #: 4873

Cargo Identific	Conditions of Carriage									
			1000				Vapor F	Recovery	the second second	10.0
iso-Propylcyclohexane	Chem Code IPX	Compat Group No 31	Sub Chapter D	Grade D	Huli Type	Tank Group A	App'd (Y or N) Yes	VCS Category	Special Requirements in 46 CFR 151 General and Mattis of	Insp. Period
Propylene glycol	PPG	20 2	D	E		A	Yes	1		
Propylene glycol methyl ether acetate	PGN	34	D	D		A	Yes	1		
Propylene tetramer	PTT	30	D	D		A	Yes	1	······································	
Sulfolane	SFL	39	D	Е		A	Yes	1		
Tetraethylene glycol	ΠG	40	D	Ε		A	Yes	1		
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1		
Toluene	TOL	32	Ð	C		A	Yes	1		
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		A	Yes	1		
Triethylbenzene	TEB	32	D	E		A	Yes	1	······································	
Triethylene glycol	TEG	40	D	E		A	Yes	1		
Triethyl phosphate	TPS	34	D	E		A	Yes	1		
Trimethylbenzene (all isomers)	TRE	32	Ð	(D)		A	Yes	1		
Trixylenyl phosphate	TRP	34	D	E		A	Yes	1		
Undecene	UDC	30	D	D/E		A	Yes	1		
1-Undecyl alcohol	UND	20	D	E		A	Yes	1		
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		A	Yes	1		



Serial #: C1-1200902 Dated: 15-Feb-12

Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28191 Official # 1238667

Page 8 of 8

Shipyard: TRINITY MARI Hull #: 4873

Explanation of terms & symbols used in the Table:

Cargo Identification	
Name	The proper shipping name as listed in 46 CFR Table 30 25-1, 46 CFR Table 151 05, and 46 CFR Part 153 Table 2
Chem Code 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 48 CFR 150 130, the Person-in-Charge of the barge is responsible for ensuing that the compatibility requirements of 48 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 48 CFR 150 in conjunction with the assigned reactive group number
Note 1	Because of the very high reactivity or nunsual conditions of camage 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	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified
Subchapter D	Finose nammable and combustible liquids listed in 46 CFR Table 30.25-1
Subchapter O Note 3	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 carned in bulk on non-oceangoing barges
Grade	The cargo classification assigned to each flammable or combustible liquid Grades inside of "{ }" indicate a provisional assignment based upon literature sources which were
A.B.C	that grade of cargo
D.E	Flammable liquid cargoes, as defined in 46 CFR 30-10 22 Combustible liquid cargoes, as defined in 46 CFR 30-10 15
Note 4	The flammability/combustbility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the
NA	Those subchapter O compose which are not classified as a flatmashe or combinities family and the former of the for
#	No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available
Hull Type	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151 10-1
4	Designed to carry products which regulars the maximum preventive measures to preclude the uncontrolled mission of the name. See 47 CCD 454 45 4(5)(4)
	Designed to carry products which require significant preventive measures to preclude the uncontrolled release of carro. See 46 CEB 151 10.1/5/21
NA	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	The vessel's tank group (as defined in Section 4) which is authorized for camage 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
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
Calegory 1	(No additional VCS requirements above those for benzene, pasclines and crude oil All requirements applying to the bandling of all and harapping to the bandling
	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 incluon factors, vapor densibes and vapor growth rates
Category 2	(Polymenzes) Polymenzation 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 overpressunzation. 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. Manne 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 taxic) 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	(Polymenzes and highly toxic) Must comply with requirements of Categories 1, 2 and 3
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1 cargoes. Consult the Manne Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1
Category 8	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5
Category 7	(High vapor pressure and polymenzes) Must comply with requirements of Categories 1, 2 and 5
none	The cargo has not been evaluated/classified for use in vapor control systems