

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

15 Aug 2022 Certification Date: 15 Aug 2023 **Expiration Date:**

Temporary 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.

This Temporary Certificate of Inspection is issued under the provision of Title 46 United States Code, Section 399, in lieu of the regular certificate of inspection, and shall be in force only until the receipt on board said vessel of the original certificate of inspection, this certificate in no case to be valid after one year from the date of inspection.

IMO Number Official Number Tank Barge 1240080 KIRBY 10540

Propulsion Hailing Port Horsepower Hull Material

WILMINGTON, DE Steel

UNITED STATES

Length DWT Net Tons Gross Tons Keel Laid Date Delivery Date Place Built R-200.0 R-705 R-705 ASHLAND CITY, TN 06Jul2012 26Jul2012

UNITED STATES

KIRBY INLAND MARINE LP 55 WAUGH DR STE 1000 HOUSTON, TX 77007 UNITED STATES

KIRBY INLAND MARINE, LP 18350 MARKET ST. CHANNELVIEW, TX 77530 UNITED STATES

This vessel must be manned with the following licensed and unlicensed Personnel. Included in which there must be 0 Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators.

0 Oilers 0 Chief Engineers 0 Licensed Mates 0 Masters 0 First Assistant Engineers 0 First Class Pilots 0 Chief Mates 0 Second Assistant Engineers 0 Radio Officers

0 Second Mates 0 Third Assistant Engineers 0 Able Seamen 0 Third Mates 0 Licensed Engineers 0 Ordinary Seamen

0 Master First Class Pilot 0 Qualified Member Engineer 0 Deckhands

In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Total Persons allowed: 0

Route Permitted And Conditions Of Operation:

---Lakes, Bays, and Sounds---

Also, in fair weather only, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida.

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR Table 31.10-21(b); if this vessel is operated in salt water more than six (6) months in any twelve (12) month period, the vessel must be inspected using salt water intervals and the cognizant OCMI notified in writing as soon as this change in status occurs.

Per D8 (dp) policy letter 01-2007 dated March 5, 2007, this tank barge is participating in the Eighth & Ninth

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at New Orleans, LA, UNITED STATES, the Officer in Charge, Marine Inspection, Sector New Orleans certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

	Annual/Peri	scribed thereur odic/Re-Inspec	ction	This certificate issued by: J. H. HART COMMANDER, by direction
Date	Zone	A/P/R	Signature	Officer in Charge, Marine Inspection Sector New Onleans
				Inspection Zone



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

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Temporary Certificate of Inspection

Vessel Name: KIRBY 10540

Coast Guard District's Tank Barge Streamlined Inspection Program (TBSIP). Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCMI Houston/Galveston.

---Hull Exams---

Exam Type

Next Exam

Last Exam

Prior Exam

DryDock

31Jul2032

12Jul2022

11Jul2012

Internal Structure

31Jul2027

12Jul2022

11Jul2017

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

GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES

Total Capacity

Units

Highest Grade Type Part151 Regulated Part153 Regulated Part154 Regulated

10300

Barrels

Α

Yes

No

No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Loading Concustor	Topk (chart tops)	Maximum Density (lbs/gal)
Tank Number	Max Cargo Weight per Tank (short tons)	Maximan 2 - May (3)
1 C/L	763	13.57
	703	13.57
2 C/L	703	13.57
3 C/L	698	13.37

Loading Constraints - Stability

Loading Cons	traints Stability			B (B
Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
- 111	1551	9ft 6in	11.03	R, LBS
111	1497	9ft 3in	12.08	R, LBS
111	1443	9ft 0in	12.91	R, LBS
111	1390	8ft 9in	13.57	R, LBS
II	1443	9ft 0in	9.99	R, LBS
'' 11	1390	8ft 9in	11.66	R, LBS
"	1336	8ft 6in	12.41	R, LBS
"	1283	8ft 3in	12.83	R, LBS
	1229	8ft 0in	13.33	R, LBS
11	1176	7ft 9in	13.57	R, LBS
H	1170	71.0111		

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial # C1-1202419, dated 11-May-12, and Grade "A" and lower cargoes may be carried, and then only in the tanks indicated.

When the vessel is carrying cargoes containing greater than 0.5% benzene, the Person In Charge is responsible for ensuring the provisions of 46 CFR 197, Subpart C are applied.

Vapor Control Authorization



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

Expiration Date: 15 Aug 2023

Temporary Certificate of Inspection

Vessel Name: KIRBY 10540

In accordance with 46 CFR 39, excluding 46 CFR 39.40, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letter Serial # C1-1202419 dated 11-May-12 and the list of authorized cargoes on the CAA, Serial # C1-1202419 dated 11-May-12, and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

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 numbers from the "Compat Group No" column listed in the vessel's cargo authority attachment.

The maximum design density of cargo which may be filled to the tank top is 9.99 lbs/gal.

Note: per 46 CFR 151.10(c)(2) the maximum tank weights listed above reflect uniform (within 5%) loading at the deepest draft allowed. When carrying subchapter "O" cargoes at shallower drafts, the barge should always be loaded uniformly.

--- Inspection Status ---

Fuel Tanks

		Internal Exami	nations				
	Tank ID	Previous	Last	Next			
	Machinery deck	-	26Jul2012	, É			
	Cargo Tanks	Internal Exam			External Exam		
	Tank ld	Previous	Last	Next	Previous	Last	Next
		26Jul2012	12Jul2022	31Jul2032	14	=	12
N	1 C/L	26Jul2012	12Jul2022	31Jul2032	100 200	**	
	2 C/L	26Jul2012	12Jul2022	31Jul2032	2.E	(E)	~
	3 C/L	200012012	120 0	Hydro Test			
		Safety Valves	5	Previous	Last	Next	
	Tank Id	andly various			26Jul2012	0 ≆ 3	
	1 C/L	ä		9	26Jul2012	9	
	2 C/L	Ξ		:e:	26Jul2012	Ħ	
	3 C/L	₩.					

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

--- Fire Fighting Equipment ---

Fire Extinguishers - Hand portable and semi-portable

Quantity

Class Type

2

40-B

END



Serial #: Dated:

C1-1202419 11-May-12

Certificate of Inspection

Cargo Authority Attachment

Vessei Name: KIRBY 10540 Official #: 1240080

Shipyard: Trinity Marine, Ashland

Hull #: 4832

Tank Group Information	Cargo Identification				Cargo	Tanks			Cargo Transfer		Environmental Control		Fire	Special Requirements			
Trik Grp Tanks in Group	Density	Press.	Temp.	Hull Typ	Sea	l _	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Protection Provided	General	Materials of Construction		Temp Cont
A #1, #2, #3	13.6	Atmos.	Elev	II	1ii 2ii	Integral Gravity	PV	Closed	11	G-1	NR	NA	Portable	.50-70(a), .50-	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.

List of Authorized Cargoes

Cargo Identificatio	n					Conditions of Carriage					
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Re App'd (Y or N)	ecovery VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period	
Authorized Subchapter O Cargoes											
Acetonitrile	ATN	37	0	С	}	Α	Yes	3	No	G	
Acrylonitrile	ACN	15 ²	0	С	II	Α	Yes	4	.50-70(a), .55-1(e)	G	
Adiponitrile	ADN	37	0	E	, II	Α	Yes	1	No	G	
Alkyl(C7-C9) nitrates	AKN	34 2	0	NA	111	Α	No	N/A	.50-81, .50-86	G	
Aminoethylethanolamine	AEE	8	0	Е	III	Α	Yes	1	.55-1(b)	G	
Ammonium bisulfite solution (70% or less)	ABX	43 ²	0	NA	1	Α	No	N/A	.50-73, .56-1(a), (b), (c)	G	
Ammonium hydroxide (28% or less NH3)	AMH	6	0	NA	1	Α	No	N/A	,56-1(a), (b), (c), (f), (g)	G	
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	II	Α	No	N/A	No	G	
Benzene	BNZ	32	0	Ç	111	Α	Yes	1	,50-60	G	
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	внв	32 ²	0	С	111	A	Yes	1	.50-60	G	
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	ВНА	32 ²	0	C	111	Α	Yes	1	.50-60, .56-1(b), (d), (f), (g)	G	
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	0	B/C	III	Α	Yes	1	,50-60	G	
Butyl acrylate (all isomers)	BAR	14	0	D	111	Α	Yes	2	,50-70(a), ,50-81(a), (b)	G	
Butyl methacrylate	вмн	14	0	D	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G	
Butyraldehyde (all isomers)	BAE	19	0	С	111	Α	Yes	1	.55-1(h)	G	
Camphor oil (light)	CPO	18	0	D	H	Α	No	N/A	No	G	
Carbon tetrachloride	CBT	36	0	NA	III	Α	No	N/A	No	G	
Caustic potash solution	CPS	5 ²	0	NA	111	Α	No	N/A	.50-73, .55-1(j)	G	
Caustic soda solution	CSS	5 ²	0	NA	111	Α	Nο	N/A	.50-73, .55-1(j)	G	
Chemical Oil (refined, containing phenolics)	COD	21	0	Ε	11	Α	Nο	N/A	.50-73	G	
Chlorobenzene	CRB	36	0	D		Α	Yes	1	No	G	
Chloroform	CRF	36	0	NA	II1	Α	Yes	3	No	G	
Coal tar naphtha solvent	NCT	33	0	D		Α	Yes	1	.50-73	G	
Coal tar pitch (molten)	CTP	33	0	Ē	III	Α	No	N/A	.50-73	G	
Creosote	CCW	/ 21 ²	٥	E	lll	Α	Yes	1	No	G	
Cresols (all isomers)	CRS	21	0	E	III	Α	Yes	1	No	G	
Cresylate spent caustic	CSC	5	0	NA	111	Α	No	N/A	.50-73, .55-1(b)	G	
Cresylic acid tar	CRX		0	E	111	Α	Yes	1	.55-1(f)	G	
Crotonaldehyde	CTA	19 ²	0	С	11	Α	Yes	4	.55-1(h)	G	
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG		0	С	111	Α	No	N/A	No	G	
Cyclohexanone	ССН	18	0	D	111	A	Yes	1	.56-1(a), (b)	G	

^{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



Serial #: C1-1202419 11-May-12

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10540

Shipyard: Trinity Marine, Ashland City

Hull #: 4832

Official #: 1240080

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Cargo Identificatio	Cargo Identification									Conditions of Carriage						
	21						Vapor R									
Name Cyclohexanone, Cyclohexanol mixture	Chem Code CYX	Compat Group No 18 ²	Sub Chapter O	Grade E	Hull Type	Tank Group A	App'd (Y or N) Yes	VCS Category 1	Special Requirements in 46 CFR 151 General and Mat'ls of .56-1 (b)	Insp. Period G						
Cyclohexylamine	CHA	7	0	D	1(1	Α	Yes	1	.56-1(a), (b), (c), (g)	G						
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D		Α	Yes	1	.50-60, .56-1(b)	G						
iso-Decyl acrylate	IAI	14	0	E	[[]	Α	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)	G						
Dichlorobenzene (all isomers)	DBX	36	0	E	III	Α	Yes	3	.56-1(a), (b)	G						
1,1-Dichloroethane	DCH	36	0	С	Ш	Α	Yes	1	No	G						
2,2'-Dichloroethyl ether	DEE	41	0	D	II.	Α	Yes	1	.55-1(f)	G						
Dichloromethane	DCM	36	0	NA	III	Α	Yes	5	No	G						
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	E		Α	No	N/A	.56-1(a), (b), (c), (g)	G						
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2	0	Α	111	Α	No	N/A	.56-1(a), (b), (c), (g)	G						
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	ודם	43 ²	0	Ε	Ш	Α	No	N/A	.56-1(a), (b), (c), (g)	G						
1,1-Dichloropropane	DPB	36	0	С		Α	Yes	3	No	G						
1,2-Dichloropropane	DPP	36	0	Ç	III	Α	Yes	3	No	G						
1,3-Dichloropropane	DPC	36	0	Ç	Ш	Α	Yes	3	Na	G						
1,3-Dichloropropene	DPU	15	0	D]]	А	Yes	4	No No	G						
Dichloropropene, Dichloropropane mixtures	DMX	15	0	С	II	Α	Yes	1	No	G						
Diethanolamine	DEA	8	0	E	III	Α	Yes	1	.55-1(c)	G						
Diethylamine	DEN	7	0	С	III	Α	Yes	3	.55-1(c)	G						
Diethylenetriamine	DET	7 2	0	E	III	Α	Yes	1	.55-1(c)	G						
Diisobutylamine	DBU	7	0	D	111	Α	Yes	3	.55-1(c)	G						
Diisopropanolamine	DIP	8	0	E		Α	Yes	1	.55-1(c)	G						
Diisopropylamine	DIA	7	0	С	II	Α	Yes	3	.55-1(c)	G						
N,N-Dimethylacetamide	DAC	10	0	E	III	Α	Yes	3	.56-1(b)	G						
Dimethylethanolamine	DMB	8	0	D	111	A	Yes	1	.56-1(b), (c)	G						
Dimethylfornamide	DMF	10	0		10	A	Yes	1	.55-1(e)	G						
Di-n-propylamine	DNA	7	0	C	11	A	Yes	3	.55-1(c)	G						
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	0	E	III	A	No	N/A	.56-1(b)	G						
Dodecyl diphenyl ether disulfonate solution	DOS	43	0	#		A	No	N/A	No	G						
EE Glycol Ether Mixture	EEG	40	ō	D	111	A	No	N/A	No	G						
Ethanolamine	MEA	8	0	 E		A	Yes	1	.55-1(c)	G						
Ethyl acrylate	EAC	14	0	c	111	A	Yes	2	.50-70(a), .50-81(a), (b)	G						
Ethylamine solution (72% or less)	EAN	7		A	 	A	Yes		.55-1(b)	G						
N-Ethylbutylamine	EBA	7	0	D	<u>:</u> 		Yes	3	.55-1(b)	G						
N-Ethylcyclohexylamine	ECC	 7	0		111	A	Yes	1	,55-1(b)	G						
Ethylene cyanohydrin	ETC	20	0	E	111	A	Yes	1	No	G						
Ethylenediamine	EDA	7 2	0	ם	— !!!	A	Yes		.55-1(c)							
Ethylene dichloride	EDC	36 ²	0	- C	 	<u>/`</u>	Yes	<u>'</u>	No							
Ethylene glycol hexyl ether	EGH	40		E	<u>'''</u>	<u>'`</u> -	No	N/A	No							
Ethylene glycol monoalkyl ethers	EGC	40	0	D/E		A	Yes	1	No	G						
Ethylene glycol propyl ether	EGP	40	0	E		A	Yes	1	No	G						
2-Ethylhexyl acrylate	EAI	14		<u> </u>	 		Yes	2	.50-70(a), .50-81(a), (b)	G						
Ethyl methacrylate	ETM	14		D/E	[1]	A	Yes	2	,50-70(a)							
2-Ethyl-3-propylacrolein	EPA	19 2	-	E	111		Yes	1	No							
Z-Ethyl-3-propylacrolein Formaldehyde solution (37% to 50%)	FMS	19 2	0	D/E		A			.55-1(h)	G						
	FFA			DIE	111	A	Yes	1	.55-1(h)							
Furfural Cluteraldehyde solution (50% or leas)		19	<u> </u>		111	A	Yes	1								
Glutaraldehyde solution (50% or less)	GTA	19	0	NA =	111	A	No	N/A								
Hexamethylenediamine solution	HMC		0	E	<u> </u>	A	Yes	11	.55-1(c)	<u> </u>						
Hexamethyleneimine	HMI	7	0	С	II	A	Yes	1	.56-1(b), (c)	G						



11-May-12

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10540

Shipyard: Trinity Marine, Ashland City

C1-1202419

Hull #: 4832

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Cargo Identification		······································	**				(Condi	tions of Carriage	
							Vapor F	ecovery		\Box
Name Hydrocarbon 5-9	Chem Code HFN	Compat Group No	Sub Chapter O	Grade	Hull eavT III	Tank Group A	App'd (Y or N) Yes	VCS Category 1	Special Requirements in 46 CFR 151 General and Mat'is of .50-70(a), .50-81(a), (b)	Insp. Perind G
Isoprene	IPR	30	0	Α	[]	Α	Yes	7	.50-70(a), .50-81(a), (b)	G
Isoprene, Pentadiene mixture	IPN		0	В	{	Α	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	Α	No	N/A	.50-73, .56-1(a), (c), (g)	G
Mesityl oxide	MSO	18 ²	0	D	111	Α	Yes	1	No	G
Methyl acrylate	MAM	14	0	С	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Methylcyclopentadiene dimer	MCK	30	0	С	111	Α	Yes	1	No	G
Methyl diethanolamine	MDE	8	0	E		Α	Yes	1	.56-1(b), (c)	G
2-Methyl-5-ethylpyridine	MEP	9	0	E	Ш	Α	Yes	1	.55-1(e)	G
Methyl methacrylate	MMM	14	0	С	111	A	Yes	2	.50-70(a), .50-81(a), (b)	G
2-Methylpyridine	MPR	9	Q	D	111	Α	Yes	3	.55-1(c)	G
alpha-Methylstyrene	MSR	30	0	D	111	A	Yes	2	.50-70(a), .50-81(a), (b)	G
Morpholine	MPL	7 2	0	D	[]]	Α	Yes	1	.55-1(c)	G
Nitroethane	NTE	42	0	D	Ħ	Α	No	N/A	,50-81, ,56-1(b)	G
1- or 2-Nitropropane	NPM	42	0	D	111	A	Yes	1	.50-81	G
1,3-Pentadiene	PDE	30	0	A	111	A	Yes	7	.50-70(a), .50-81	G
Perchloroethylene	PER	36	ō	NA	111	A	No	N/A	No	G
Phthalic anhydride (molten)	PAN	11	0	Ē	<u>```</u>		Yes	1	No	G
Polyethylene polyamines	PEB	7 2	<u>_</u>	 E	111	A	Yes	1	.55-1(e)	G
iso-Propanolamine	MPA	8	0	<u>_</u>	111	A	Yes	1	.55-1(c)	G
	PAX	8	0	E	311	^A	Yes	1	.56-1(b), (c)	G
Propanolamine (iso-, n-)	IPP	7	0	A		^	Yes	5	.55-1(c)	
iso-Propylamine	PRD	9			! !		Yes		.55-1(e)	
Pyridine Outline Charl Malanai day (20)		a				A			.50-73, .55-1(j)	
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		0		111	Α	No	N/A		
Sodium aluminate solution (45% or less)	SAU	5	0	NA	JII	Α	No	N/A	.50-73, .56-1(a), (b), (c)	G
Sodium chlorate solution (50% or less)	SDD	ე 1,2		NA	III	Α	No	N/A		G
Sodium hypochlorite solution (20% or less)	SHQ	5	0	NA	III	A	No	N/A		G
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 1,2		NA	III	A	Yes	1	.50-73, .55-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	\$\$I 	0 1,2		NA	111	Α	No	N/A		G
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1,2	0	NA		Α	No	N/A	.50-73, .55-1(b)	G
Styrene (crude)	STX		0	D]]	Α	Yes	2	No	G
Styrene monomer	STY	30	0	D	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
1,1,2,2-Tetrachloroethane	TEC	36	0	NA	[]]	A	No	N/A	No	G
Tetraethylenepentamine	TTP	7	0	E	III	Α	Yes	1	.55-1(c)	G
Tetrahydrofuran	THF	41	0	С	Ш	Α	Yes	1	.50-70(b)	G
Toluenediamine	TDA	9	0	E	11	Α	No	N/A	.50-73, ,56-1(a), (b), (c), (g)	G
1,2,4-Trichlorobenzene	TCB	36	0	E	111	Α	Yes	1	No	G
1,1,2-Trichloroethane	TCM	36	0	NA	H	Α	Yes	1	.50-73, .56-1(a)	G
Trichloroethylene	TCL	36 ²	0	NA	III	Α	Yes	1	No	G
1,2,3-Trichloropropane	TÇN	36	0	Ε	[]	Α	Yes	3	.50-73, .56-1(a)	G
Triethanolamine	TEA	8 2	0	Е	111	A	Yes	1	.55-1(b)	G
Triethylamine	TEN	7	0	С	11	A	Yes		.55-1(e)	G
Triethylenetetramine	TET	7 2	0	E	111	A	Yes		.55-1(b)	G
Triphenylborane (10% or less), caustic soda solution	TPB	5	0	NA	III	A	No	N/A	.56-1(a), (b), (c)	
Trisodium phosphate solution	TSP	5	0	NA	10		No	N/A		G
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	0	NA.	111		No	N/A		G
orea, commentation oriented (containing more than 270 1410)	57.10	<u>`</u>		117	111			14//		



Serial #: C1-1202419 11-May-12

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10540

Shipyard: Trinity Marine, Ashland City

Distillates: Flashed feed stocks

Distillates: Straight run

Official #: 1240080		I	Page 4	of 8					Hull #: 4832	
Cargo Identificatio	n					······································		Condi	tions of Carriage	***
					i	······································		ecovery		
Name Vanillin black liquor (free alkali content, 3% or more).	Chem Code VBL	Compat Group No 5	Sub Chapte O	Grade NA	Hull Type	Tank Group A	App'd (Y or N) No	VCS Category N/A	Special Requirements in 46 CFR 151 General and Mat'ls of .50-73, .56-1(a), (c), (g)	Insp. Period G
Vinyl acetate	VAM	13		C	111	^A	Yes	2	.50-70(a), .50-81(a), (b)	G
Vinyl neodecanate	VND	13		E	Iti	A	No	 N/A	.50-70(a), .50-81(a), (b)	G
Vinyltoluene	VNT	13	0	 D	 	A	Yes	2	.50-70(a), .50-81, .56-1(a), (b), (c), (G
							,			
Subchapter D Cargoes Authorized for Vapor Contr	ol									
Acetone	ACT	18 ²	D	С		Α	Yes	1		·
Acetophenone	ACP	18	D	E		Α	Yes	11		
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	O	E		Α	Yes	1		
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		Α	Yes	1		
Amyl acetate (all isomers)	AEC	34	D	D		Α	Yes	1		
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	ם	D		Α	Yes	1		
Benzyl alcohol	BAL	21	D	E		Α	Yes	1		
Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFX	20	D	E		Α	Yes	1		
Butyl acetate (all isomers)	BAX	34	D	D		Α	Yes	1		
Butyl aicohol (iso-)	IAL	20 ²	D	D		Α	Yes	1		
Butyl alcohol (n-)	BAN	20 ²	D	D		Α	Yes	1		
Butyl alcohol (sec-)	BAS	20 ²	D	С		Α	Yes	1		
Butyl alcohol (tert-)	BAT		ם	С		Α	Yes	1		
Butyl benzyl phthalate	врн	34	D	E		Α	Yes	1		
Butyl toluene	BUE	32	D	D		Α	Yes	1		
Caprolactam solutions	CLS	22	D	E		Α	Yes	1		
Cyclohexane	CHX	31	D	С	***************************************	Α	Yes	1		
Cyclohexanol	CHN	20	D	Е		Α	Yes	1		
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		Α	Yes	2		
p-Cymene	CMP	32	D	D	***************************************	Α	Yes	1		
iso-Decaidehyde	IDA	19	D	E		Α	Yes	1		
n-Decaldehyde	DAL	19	D	E		Α	Yes	1		
Decene	DCE	30	D	D		Α	Yes	1		
Decyl alcohol (all isomers)	DAX	20 ²	D	E		Α	Yes	1		
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		Α	Yes	1		
Diacetone alcohol	DAA	20 ²	D	D		Α	Yes	1		
ortho-Dibutyl phthalate	DPA	34	ם	E		Α	Yes	1		******
Diethylbenzene	DEB	32	D	D		Α	Yes	1		
Diethylene glycof	DEG	40 ²	D	E		Α	Yes	1		
Diisobutylene	DBL	30	D	С		Α	Yes	1		
Diisobutyl ketone	DIK	18	D	D		Α	Yes	1		
Diisopropylbenzene (all isomers)	DIX	32	D	Ε		Α	Yes	1		
Dimethyl phthalate	DTL	34	ם	E		Α	Yes	1		
Dioctyl phthalate	DOP	34	Ď	E		Α	Yes	1		
Dipentene	DPN	30	D	D		Α	Yes	1		
Diphenyl	DIL	32	D	D/E		Α	Yes	1		
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		Α	Yes	1		
Diphenyl ether	DPE	41	D	{E}		Α	Yes	1		
Dipropylene glycol	DPG	40	D	E		Α	Yes	1		

D

33

Yes

Yes

DFF

DSR



States Coast Guard Dated: 11-May-12

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10540
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Shipyard: Trinity Marine, Ashland City

Serial #: C1-1202419

Hull #: 4832

Cargo Identificatio	n				-	······································		Condi	tions of Carriage	7
	-	1	ì	ı	i ii			Recovery	Tons of Ournage	
Name Dodecene (all isomers)	Chem Code DOZ	Compat Group No 30	Sub Chapter D	Grade D	Hull Type		App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat's of	Insp. Period
	DDB	32	D			Α	Yes	11		
Dodecylbenzene, see Alkyl(C9+)benzenes	EEA	34		E D		A	Yes	1		
2-Ethoxyethyl acetate	ETG	40	D D	E		A A	Yes Yes	1		
Ethoxy triglycol (crude)	ETA	34	D	C				1		
Ethyl acetate	EAA	34	D	E		A	Yes	1		
Ethyl clashal	EAL	20 2				A A	Yes Yes	1		
Ethyl alcohol	ETB	32	D	C	·			1		
Ethylbenzene	EBT	20	D D	D		A A	Yes	1		
Ethyl butanol	EBE		D	С			Yes	1		
Ethyl tert-butyl ether	EBR	41 34	D	D		A	Yes	1		
Ethyl butyrate	ECY	31	D D	D		<u>A</u>	Yes	11		
Ethyl cyclohexane						<u>A</u>	Yes	1		
Ethylene glycol	EGL	20 ²	D	E		A	Yes	1		
Ethylene glycol butyl ether acetate	EMA	34	D	E		A	Yes	1		
Ethylene glycol diacetate	EGY	34	D	E		A	Yes	1		
Ethylene glycol phenyl ether	EPE	40		E		A	Yes	1		
Ethyl-3-ethoxypropionate	EEP	34	D	<u>D</u>		A	Yes	1		
2-Ethylhexanol	EHX	20	D	E		<u>A</u>	Yes	1		
Ethyl propionate	EPR	34	D -	C		Α .	Yes	1		
Ethyl toluene	ETE	32	D	D		Α	Yes	1		
Formamide	FAM	10	D	E		A	Yes	1		
Furfuryl alcohol	FAL	20 2	D	Ε		A	Yes	1		
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		Α	Yes	1		
Gasoline blending stocks: Reformates	GRF	33	D	A/C		Α	Yes	1		
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	С		Α	Yes	1		
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	С		Α	Yes	1		
Gasolines: Casinghead (natural)	GCS	33	D	A/C		Α	Yes	1		
Gasolines: Polymer	GPL	33	D	A/C	***************************************	A	Yes	11		
Gasolines: Straight run	GSR	33	D	A/C		Α	Yes	1		
Glycerine	GCR	20 ²	Đ	E		Α	Yes	1		
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	¢		Α	Yes	1		
Heptanoic acid	HEP	. 4	D	E		Α	Yes	1		
Heptanol (all isomers)	HTX	20	D	D/E		Α	Yes	1		
Heptene (all isomers)	HPX	30	D	С		Α	Yes	2		
Heptyl acetate	HPE	34	Ď	E		Α	Yes	1		
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	D	B/C		Α	Yes	1		
Hexanoic acid	HXO	4	Ď	E		Α	Yes	1		
Hexanol	HXN	20	D	D		Α	Yes	1		
Hexene (all isomers)	HEX	30	D	С		Α	Yes	2		
Hexylene giycol	HXG	20	D	Ε		Α	Yes	1		
Isophorone	IPH	18 ²	D	E		Α	Yes	1		
Jet fuel: JP-4	JPF	33	D	E		Α	Yes	1		
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		Α	Yes	1		
Kerosene	KRS	33	D	D		Α	Yes	1		
Methyl acetate	MTT	34	D	D		A	Yes	1		
Methyl alcohol	MAL	20 ²	D	С		Α	Yes	1		
Methylamyl acetate	MAC	34	D	D		A	Yes	1		



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Certificate of Inspection

Cargo Authority Attachment

Shipyard: Trinity Marine, Ashland City

Hull #: 4832

Vessel Name: KIRBY 10540

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Cargo Identification	า							Condi	tions of Carriage	
								Recovery		"T
Name	Chem	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	(Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Periori
Methylamyl alcohol	MAA	20	D	D		Α	Yes	1	The second secon	· Festiat i
Methyl amyl ketone	MAK	18	D	D		Α	Yes	1		
Methyl tert-butyl ether	MBE	41 ²	D	С		Α	Yes	1		
Methyl butyl ketone	MBK	18	D	С		Α	Yes	1		
Methyl butyrate	MBU	34	D	С		Α	Yes	1		
Methyl ethyl ketone	MEK	18 ²	D	С		Α	Yes	1		
Methyl heptyl ketone	MHK	18	D	D		Α	Yes	1		
Methyl isobutyl ketone	MIK	18 ²	ם	С		Α	Yes	1		
Methyl naphthalene (molten)	MNA	32	ם	E		Α	Yes	1		· · · · · · · · · · · · · · · · · · ·
Mineral spirits	MNS	33	D	Đ		Α	Yes	1		
Myrcene	MRE	30	D	Đ		Α	Yes	1		
Naphtha: Heavy	NAG	33	D	#		Α	Yes	1		
Naphtha: Petroleum	PTN	33	D	#		Α	Yes	1		
Naphtha: Solvent	NSV	33	D	D		Α	Yes	1		
Naphtha: Stoddard solvent	NSS	33	D	D		Α	Yes	1		
Naphtha: Varnish makers and painters (75%)	NVM	33	D	С		Α	Yes	1		
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	ם	D		Α	Yes	1		
Nonene (all isomers)	NON	30	D	D		Α	Yes	2		
Nonyl alcohol (all isomers)	NNS	20 ²	D	Ε		Α	Yes	1		
Nonyl phenol	NNP	21	D	Ε		Α	Yes	1		
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		A	Yes	1		
Octane (all isomers), see Alkanes (C6-C9)	QAX	31	D	С		Α	Yes	1		
Octanoic acid (all isomers)	OAY	4	D	E		Α	Yes	1		
Octanol (all isomers)	ocx	20 ²	D	E		Α	Yes	1		
Octene (all isomers)	OTX	30	D	С		Α	Yes	2		
Oil, fuel: No. 2	OTW	33	D	D/E		Α	Yes	1		
Oil, fuel: No. 2-D	OTD	33	D	D		A	Yes	1		
Oil, fuel: No. 4	OFR	33	D	D/E		Α	Yes	1		
Oil, fuel: No. 5	OFV	33	D	D/E		Α	Yes	1		
Oil, fuet: No. 6	OSX	33	D	Е		Α	Yes	1		
Oil, misc: Crude	OIL	33	D	C/D		A	Yes	1		
Oil, misc: Diesel	ODS	33	D	D/E		A	Yes	1		
Oil, misc: Gas, high pour	OGP	33	D	E		A	Yes	1		
Oil, misc: Lubricating	OLB	33	D	 E		A	Yes	1		
Oil, misc: Residual	ORL	33	D	E		Α	Yes	1		
Oil, misc: Turbine	ОТВ	33	D	E		Α	Yes	<u>`</u>		
Pentene (all isomers)	PTX	30	D			A	Yes	5		
n-Pentyl propionate	PPE	34	<u> </u>	D		A	Yes	<u></u>		
alpha-Pinene	PIO	30	D			Α	Yes	1		
beta-Pinene	PIP	30	D	D		Α.	Yes	<u>`</u>		
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E		Α	Yes	<u>;</u>		
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAF	34	D	E			Yes	1		
Polybutene	PLB	30		E		<u>^</u> -	Yes	1		
Polypropylene glycol	PGC	40	D	Ε		Ā	Yes	1		
iso-Propyl acetate	IAC	34	D	C			Yes	1		
n-Propyl acetate	PAT	34	D	-C			Yes	1		
iso-Propyl alcohol	IPA	20 ²	D	C						
n-Propyl alcohol	PAL	20 2		c		A	Yes	1		
п-гторугацияют	FAL	40 -	U	U		Α	Yes	1		



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Cargo Authority Attachment

Vessel Name: KIRBY 10540

Shipyard: Trinity Marine,

Ashland City

Hull #: 4832

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Cargo Identific	ation					Conditions of Carriage						
							Vapor F	Recovery				
Name	Chem Code	Compat Group No	Sub	Grada	Hull Type	Tank Group	App'd	vcs	Special Requirements in 46 CFR	insp.		
Propylbenzene (all isomers)	PBY	32	D	D	I VDE 1	A	(Y or N) Yes	1	151 General and Mat'ls of	Period		
iso-Propylcyclohexane	IPX	31	D	D		Α	Yes	1				
Propylene glycol	PPG	20 ²	D	Ε		Α	Yes	1				
Propylene glycol methyl ether acetate	PGN	34	D	D		Α	Yes	1				
Propylene tetramer	PTT	30	D	D		Α	Yes	1				
Sulfolane	SFL	39	D	Ε		Α	Yes	1				
Tetraethylene glycol	TTG	40	D	Ε		Α	Yes	1				
Tetrahydronaphthalene	THN	32	D	Ε		Α	Yes	1				
Toluene	TOL	32	D	С		Α	Yes	1				
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	Ε		Α	Yes	1				
Triethylbenzene	TEB	32	D	Ε		Α	Yes	1				
Triethylene glycol	TEG	40	D	Ε		Α	Yes	1				
Triethyl phosphate	TPS	34	D	E		Α	Yes	1				
Trimethylbenzene (all isomers)	TRE	32	D	{D}		Α	Yes	1				
Trixylenyl phosphate	TRP	34	D	E		Α	Yes	1				
Undecene	UDC	30	D	D/E		Α	Yes	1				
1-Undecyl alcohol	UND	20	D	Е		Α	Yes	1				
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		Α	Yes	1				



United States Coast Guard

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Cargo Authority Attachment

Vessei Name: KIRBY 10540

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Shipyard: Trinity Marine,

Hull #: 4832

Explanation of terms & symbols used in the Table:

Cargo Identification

Name Chem Code The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2, The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.

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

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,

Note 1

Note 2

and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.

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

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

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

The cargo classification assigned to each flammable or combustible liquid. Grades inside of "{ }" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.

A, B, C D, E Note 4

Flammable liquid cargoes, as defined in 46 CFR 30-10.22 Combustible liquid cargoes, as defined in 46 CFR 30-10.15.

The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for 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

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 Recover Approved (Y or N) The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo

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

Conditions of Carriage

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

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

VCS Category: Category 1

Category 3

The specified cargo's provisional classification for vapor control systems.

(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 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 safety componenets and restricting vapor flow which could lead to cargo tank overpressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a material not normally considered a monomer can be a problem in detonation arrester.

(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 45 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.

Category 4 (Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3.

(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 Category 5

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.

The cargo has not been evaluated/classified for use in vapor control systems. none