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United States of America Department of Homeland Security United States Coast Guard Certification Date: 15 Sep 2022 Expiration Date: 15 Sep 2027

Certificate of Inspection

For ships on international voyages this certificate fulfilis the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

			- A7A-				•	
Vessel Name			Official Number	IMO N	umber	Call Sign	Service	
KIRBY 280	51		1193006				Tank B	arge
				1				
Halling Port			Hull Material	На	rsepower	Propulsion		
WILMINGT	ON, DE		Steel					
UNITED S	TATES		01001					
UNITED S	IAILS							
Place Built			Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
GALVEST	ON, TX				0 1610	R-1619		R-297.5
			11May2007	15Feb2007	۶.	ŀ		H0
UNITED ST	IATES							
Owner				Oper	ator			
KIRBY INLA	ND MARINE LP			KIF	RBY INLAND	MARINE, LP		
	DR STE 1000				350 MARKET			
HOUSTON					ANNELVIEW			
onnieb of				0		0		
			ollowing licensed nkermen, 0 HSC				hich there mu	ist be
0 Masters	0	Licensed N	Aates 0 Chief I	Engineers	00	ilers		
0 Chief Ma	tes 0	First Class	Pilots 0 First A	ssistant Engine	eers			2
0 Second N	Mates 0	Radio Offic	ers 0 Secon	d Assistant Eng	gineers			
0 Third Mat	les 0	Able Seam	en 0 Third /	Assistant Engin	eers			
0 Master Fi	rst Class Pilot 0	Ordinary S	eamen 0 Licens	ed Engineers				
		Deckhands		ed Member Eng				
In addition, Persons allo		arry 0 Pas	sengers, 0 Other	Persons in c	rew, 0 Perso	ns in addition to	crew, and no	o Others. Total
Route Per	mitted And Conc	litions Of	Operation:					
Lakes	Bays, and S	ounds-						
Also, in fa Florida.	ir weather only	/, not mo	re than twelve	(12) miles	from shore	between St. Ma	arks and Car	rabelle,
This vessel	. has been grant	ed a fre	sh water servic	e examinati	on interval	per 46 CFR 3	1.10-21(a)(2). If this
vessel is c	perated in salt	water m	ore than 6 mont .10-21(a)(1) an	hs in any l d the couni	2 month per	iod, the vesse	el must be i	nspected using
	tatus occurs.	io cin si		a the cogni	cune ochr h	otilited in wr	iting us soc	
ANOFE NE								
			NAL CERTIFIC					
			ing been complet the vessel, in all r					
	regulations press			especis, is i	n contormity v	with the application	Die vessei ins	pection laws and
	Annual/Perio			- 1	This certificate	issued by: Q	-	<u></u>
Date	Zone	A/P/R	Signature			DLEMAN COR,		DIRECTION
11-9-23	Cosprechrist	A	DarlelE		fficer in Charge, Mar			
1-29-24	Bater Reage	P	Scott Librash				Galveston	
			and the second		spection Zone			
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United States of America Department of Homeland Security United States Coast Guard

Certification Date: 15 Sep 2022 **Expiration Date:** 15 Sep 2027

Certificate of Inspection

Vessel Name: KIRBY 28051

This tank barge is participating in the Eighth & Ninth Coast Guard District's Tank Barge Streamlined Inspection Program (TBSIP). Inspection activities aboard this barge shall be conducted per 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 31May2027 25Jul2017 11May2007 Internal Structure 31Jul2027 15Sep2022 25Jul2017 --- Liquid/Gas/Solid Cargo Authority/Conditions ---Authorization: Flammable/Combustible Liquids and Specified Hazardous Cargoes **Total Capacity** Highest Grade Type Part151 Regulated Part153 Regulated Part154 Regulated Units 28717 Barrels A Yes No No *Hazardous Bulk Solids Authority* Not Authorized *Loading Constraints - Structural* Tank Number Max Cargo Weight per Tank (short tons) Maximum Density (lbs/gal) 1 P/S 686 13.6 2 P/S 829 13.6 3 P/S 727 13.6 *Loading Constraints - Stability* Hull Type Maximum Load Maximum Draft Max Density **Route Description** (short tons) (ft/in) (lbs/gal) 11 3902 10ft 3in 13.6 R, LBS 111 4272 11ft Oin 13.6 R, LBS

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial #C2-0702494, dated August 13, 2007, 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.

Per 46 CFR 150.130, the Person in Charge of the vessel is responsible for ensuring that the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using the figures, tables and appendices of 46 CFR 150 in conjunction with the compatibility group numbers from the "COMPAT GROUP NO" column listed in the vessel's CAA.

The maximum design density of cargo which may be filled to the tank top is 8.745 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

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



United States of America Department of Homeland Security United States Coast Guard Certification Date:15 Sep 2022Expiration Date:15 Sep 2027

Certificate of Inspection

Vessel Name: KIRBY 28051

Vapor Control Authorization

In accordance with 46 CFR 39, excluding part 39.4000, this vessel's vapor collection system (VCS) has been inspected to the plans approved by MSC Letter Serial #C2-0600288 dated Feburary 06, 2006, and has been found acceptable for the collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column. The VCS system has been approved with a pressure side of 6 psig P/V valve with Coast Guard Approval 162.017/167. The cargo tank top is suitable for a maximum allowable working poressure (MAWP) of 6.108psig.

In accordance with 46 CFR 39.5000, this vessel's VCS has been evaluated and approved for multi-breasted tandem loading with other vessels specifically approved by MSC Letter Serial #C1-1302030 dated June 12, 2013.

--- Inspection Status ---

Cargo	Tanks
--------	--------

	Internal Exam	ı		External Exar	m	
Tank Id	Previous	Last	Next	Previous	Last	Next
1 P/S	11May2007	25Jul2017	31May2027	25Jul2017	15Sep2022	31Jul2027
2 P/S	11May2007	25Jul2017	31May2027	25Jul2017	15Sep2022	31Jul2027
3 P/S	11May2007	25Jul2017	31May2027	25Jul2017	15Sep2022	31Jul2027
			Hydro Test			
Tank Id	Safety Valves	S	Previous	Last	Next	
1 P/S	-:-		-	-	-	
2 P/S			-	-	-	
3 P/S	-		-	-	-	

---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

QuantityClass Type240-B

END



Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28051 Official #: 1193006 Shipyard: West Gulf Marine Hull #: 169

46 CFR 151 Tank Group Characteristics

Tank Group Information	Cargo I	dentificati	on		Cargo		Tanks		Carg Tran		Environ Control		Fire	Special Require	ments		
Tnk Grp Tanks in Group	Density	Press.	Temp.	Hull Typ	Seg Tank	-	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Protection Provided	General	Materials of Construction	Elec Haz	Temp Cont
A #1P/S, #2P/S, #3P/S	13.6	Atmos.	Amb.	II	1ii 2ii	Integral Gravity	PV	Closed	II	G-1	NR	NA	Portable	.50-60, .50-70(a), .50-70(b), .50-73,	55-1(b), (c), (e), (f), (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

Cargo Identification		(Condi	tions of Carriage						
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Re App'd (Y or N)	VCS	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period

Authorized Subchapter O Cargoes

Authorized Subchapter O Cargoes			_	-					Ne	0
Acetonitrile	ATN	37	0	С	III	A	Yes	3	No	G
Acrylonitrile	ACN	15 ²	0	С	II	А	Yes	4	.50-70(a), .55-1(e)	G
Adiponitrile	ADN	37	0	Е	II	А	Yes	1	No	G
Alkyl(C7-C9) nitrates	AKN	34 ²	0	NA	III	A	No	N/A	.50-81, .50-86	G
Aminoethylethanolamine	AEE	8	0	E	III	А	Yes	1	.55-1(b)	G
Ammonium bisulfite solution (70% or less)	ABX	43 ²	0	NA	III	А	No	N/A	.50-73, .56-1(a), (b), (c)	G
Ammonium hydroxide (28% or less NH3)	AMH	6	0	NA	III	А	No	N/A	.56-1(a), (b), (c), (f), (g)	G
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	II	А	No	N/A	No	G
Benzene	BNZ	32	0	С	III	А	Yes	1	.50-60	G
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 ²	0	С	III	А	Yes	1	.50-60	G
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	BHA	32 ²	0	С		A	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	А	Yes	1	.50-60	G
Butyl acrylate (all isomers)	BAR	14	0	D	III	А	Yes	2	.50-70(a), .50-81(a), (b)	G
Butyl methacrylate	BMH	14	0	D	111	А	Yes	2	.50-70(a), .50-81(a), (b)	G
Butyraldehyde (all isomers)	BAE	19	0	С	111	А	Yes	1	.55-1(h)	G
Camphor oil (light)	CPO	18	0	D	Ш	А	No	N/A	No	G
Carbon tetrachloride	CBT	36	0	NA	111	А	No	N/A	No	G
Caustic potash solution	CPS	5 ²	0	NA	111	А	No	N/A	.50-73, .55-1(j)	G
Caustic soda solution	CSS	5 ²	0	NA		А	No	N/A	.50-73, .55-1(j)	G
Chemical Oil (refined, containing phenolics)	COD	21	0	Е	Ш	А	No	N/A	.50-73	G
Chlorobenzene	CRB	36	0	D	111	А	Yes	1	No	G
Chloroform	CRF	36	0	NA		А	Yes	3	No	G
Coal tar naphtha solvent	NCT	33	0	D		А	Yes	1	.50-73	G
Creosote	CCW	21 ²	0	Е		А	Yes	1	No	G
Cresols (all isomers)	CRS	21	0	Е		А	Yes	1	No	G
Cresylate spent caustic	CSC	5	0	NA		А	No	N/A	.50-73, .55-1(b)	G
Cresylic acid tar	CRX		0	Е		А	Yes	1	.55-1(f)	G
Crotonaldehyde	CTA	19 ²	0	С	Ш	А	Yes	4	.55-1(h)	G
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG		0	С	III	A	No	N/A	No	G
Cyclohexanone	CCH	18	0	D	Ш	А	Yes	1	.56-1(a), (b)	G
Cyclohexanone, Cyclohexanol mixture	CYX	18 ²	0	Е		А	Yes	1	.56-1 (b)	G
Cyclohexylamine	CHA	7	0	D		А	Yes	1	.56-1(a), (b), (c), (g)	G
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	111	А	Yes	1	.50-60, .56-1(b)	G
iso-Decyl acrylate	IAI	14	0	Е		А	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)	G



Certificate of Inspection Cargo Authority Attachment

Vessel Name: **KIRBY 28051** Official #: 1193006

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Shipyard: West Gulf Marine Hull #: 169

Cargo Identification	Conditions of Carriage									
	-						Vapor Re		g.	
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Dichlorobenzene (all isomers)	DBX	36	0	Е		А	Yes	3	.56-1(a), (b)	G
1,1-Dichloroethane	DCH	36	0	С		А	Yes	1	No	G
2,2'-Dichloroethyl ether	DEE	41	0	D	П	А	Yes	1	.55-1(f)	G
Dichloromethane	DCM	36	0	NA		А	No	N/A	No	G
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	Е		А	No	N/A	.56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2	² O	А	111	А	No	N/A	.56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 ²	0	Е		А	No	N/A	.56-1(a), (b), (c), (g)	G
1,1-Dichloropropane	DPB	36	0	С		А	Yes	3	No	G
1,2-Dichloropropane	DPP	36	0	С		А	Yes	3	No	G
1,3-Dichloropropane	DPC	36	0	С	111	А	Yes	3	No	G
1,3-Dichloropropene	DPU	15	0	D	Ш	А	Yes	4	No	G
Dichloropropene, Dichloropropane mixtures	DMX	15	0	С	Ш	А	Yes	1	No	G
Diethanolamine	DEA	8	0	Е	111	А	Yes	1	.55-1(c)	G
Diethylamine	DEN	7	0	С		А	Yes	3	.55-1(c)	G
Diethylenetriamine	DET	7 ²	0	E	111	А	Yes	1	.55-1(c)	G
Diisobutylamine	DBU	7	0	D	111	А	Yes	3	.55-1(c)	G
Diisopropanolamine	DIP	8	0	Е	111	А	Yes	1	.55-1(c)	G
Diisopropylamine	DIA	7	0	С	П	А	Yes	3	.55-1(c)	G
N,N-Dimethylacetamide	DAC	10	0	E	111	A	Yes	3	.56-1(b)	G
Dimethylethanolamine	DMB	8	0	D	111	А	Yes	1	.56-1(b), (c)	G
Dimethylformamide	DMF	10	0	D	111	А	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	111	A	No	N/A	.56-1(b)	G
Dodecyl diphenyl ether disulfonate solution	DOS	43	0	#	11	A	No	N/A		G
EE Glycol Ether Mixture	EEG	40	0	D	III	A	No	N/A		G
Ethanolamine	MEA	8	0	E	III	A	Yes	1	.55-1(c)	G
Ethyl acrylate	EAC	14	0	c		A	Yes	2	.50-70(a), .50-81(a), (b)	G
Ethylamine solution (72% or less)	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		A	Yes	1	No	G
Ethylenediamine	EDA	7 2	0	D		A	Yes	1	.55-1(c)	G
Ethylene dichloride	EDC	36 ²	0	C		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		A	Yes	1	No	G
Ethylene glycol propyl ether	EGP	40	0	E		A	Yes	1	No	G
2-Ethylhexyl acrylate	EAI	14	0	E		A	Yes	2	.50-70(a), .50-81(a), (b)	G
Ethyl methacrylate	ETM	14	0	D/E		A	Yes	2	.50-70(a)	G
2-Ethyl-3-propylacrolein	EPA	19 ²	0	E		A	Yes	1	No	G
Formaldehyde solution (37% to 50%)	FMS	19 ²	0	D/E		A	Yes	1	.55-1(h)	G
Furfural	FFA	19	0	D		A	Yes	1	.55-1(h)	G
Glutaraldehyde solution (50% or less)	GTA	19	0	NA		A	No	N/A		G
	HMC		0	E		A	Yes	1	.55-1(c)	G
Hexamethylenediamine solution	HMI	7	0	C		A	Yes	1	.56-1(b), (c)	G
Hexamethyleneimine	HFN	1	0	c		A	Yes	1	.50-70(a), .50-81(a), (b)	G
Hydrocarbon 5-9	IPR	30	0	A		A	No	N/A		G
Isoprene	IPR	30	0	B						G
Isoprene, Pentadiene mixture		5	0			A	No	N/A N/A		G
Kraft pulping liquors (free alkali content 3% or more)(including: Black Green, or White liquor)				NA		A	No			G
Mesityl oxide	MSO		0	D		A	Yes	1	No .50-70(a), .50-81(a), (b)	G
Methyl acrylate	MAM	14	0	С		A	Yes	2		9



Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28051 Official #: 1193006

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Shipyard: West Gulf Marine Hull #: 169

Cargo Identification	Conditions of Carriage									
							Vapor Re	ecovery	<u> </u>	
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Methylcyclopentadiene dimer	MCK	30	0	С	III	А	Yes	1	No	G
Methyl diethanolamine	MDE	8	0	Е	Ш	А	Yes	1	.56-1(b), (c)	G
2-Methyl-5-ethylpyridine	MEP	9	0	Е	III	Α	Yes	1	.55-1(e)	G
Methyl methacrylate	MMM	14	0	С	III	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
2-Methylpyridine	MPR	9	0	D	III	А	Yes	3	.55-1(c)	G
alpha-Methylstyrene	MSR	30	0	D	III	А	Yes	2	.50-70(a), .50-81(a), (b)	G
Morpholine	MPL	7 ²	0	D	III	А	Yes	1	.55-1(c)	G
1- or 2-Nitropropane	NPM	42	0	D	III	А	Yes	1	.50-81	G
1,3-Pentadiene	PDE	30	0	А	III	А	Yes	7	.50-70(a), .50-81	G
Perchloroethylene	PER	36	0	NA	III	Α	No	N/A	No	G
Polyethylene polyamines	PEB	7 ²	0	Е		А	Yes	1	.55-1(e)	G
iso-Propanolamine	MPA	8	0	Е		А	Yes	1	.55-1(c)	G
Propanolamine (iso-, n-)	PAX	8	0	Е		А	Yes	1	.56-1(b), (c)	G
iso-Propylamine	IPP	7	0	А	Ш	А	No	N/A	.55-1(c)	G
Pyridine	PRD	9	0	С		А	Yes	1	.55-1(e)	G
Jodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		0			А	No	N/A	.50-73, .55-1(j)	G
Sodium aluminate solution (45% or less)	SAU	5	0	NA		А	No	N/A	.50-73, .56-1(a), (b), (c)	G
Sodium chlorate solution (50% or less)	SDD	0 1,2	2 O	NA		А	No	N/A	.50-73	G
Sodium hypochlorite solution (20% or less)	SHQ	5	0	NA		А	No	N/A	.50-73, .56-1(a), (b)	G
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 1,2	2 O	NA		А	Yes	1	.50-73, .55-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 1,2	2 0	NA	111	А	No	N/A	.50-73, .55-1(b)	G
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1,2	2 O	NA	11	А	No	N/A	.50-73, .55-1(b)	G
Styrene (crude)	STX		0	D	Ш	А	Yes	2	No	G
Styrene monomer	STY	30	0	D	111	А	Yes	2	.50-70(a), .50-81(a), (b)	G
1,1,2,2-Tetrachloroethane	TEC	36	0	NA	111	А	No	N/A	No	G
Tetraethylenepentamine	TTP	7	0	Е		А	Yes	1	.55-1(c)	G
Tetrahydrofuran	THF	41	0	С	111	А	Yes	1	.50-70(b)	G
Toluenediamine	TDA	9	0	Е	П	А	No	N/A	.50-73, .56-1(a), (b), (c), (g)	G
1,2,4-Trichlorobenzene	TCB	36	0	Е		А	Yes	1	No	G
1,1,2-Trichloroethane	TCM	36	0	NA		А	Yes	1	.50-73, .56-1(a)	G
Trichloroethylene	TCL	36 ²	0	NA		А	Yes	1	No	G
1,2,3-Trichloropropane	TCN	36	0	Е	П	А	Yes	3	.50-73, .56-1(a)	G
Triethanolamine	TEA	8 ²	0	Е	111	А	Yes	1	.55-1(b)	G
Triethylamine	TEN	7	0	С	11	А	Yes	3	.55-1(e)	G
Triethylenetetramine	TET	7 2	0	Е		А	Yes	1	.55-1(b)	G
Triphenylborane (10% or less), caustic soda solution	TPB	5	0	NA		А	No	N/A	.56-1(a), (b), (c)	G
Trisodium phosphate solution	TSP	5	0	NA		А	No	N/A	.50-73, .56-1(a), (c).	G
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	0	NA		А	No	N/A	.56-1(b)	G
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	0	NA		А	No	N/A	.50-73, .56-1(a), (c), (g)	G
Vinyl acetate	VAM	13	0	С		А	Yes	2	.50-70(a), .50-81(a), (b)	G
Vinyl neodecanate	VND	13	0	Е		А	No	N/A	.50-70(a), .50-81(a), (b)	G
Vinyltoluene	VNT	13	0	D		А	Yes	2	.50-70(a), .50-81, .56-1(a), (b), (c), (G
Subchapter D Cargoes Authorized for Vapor Contro	ol									
Acetone	ACT	18 ²	D	С		А	Yes	1		
Acetophenone	ACP	18	D	Е		А	Yes	1		
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	D	Е		А	Yes	1		
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		А	Yes	1		
Amyl acetate (all isomers)	AEC	34	D	D		А	Yes	1		



Certificate of Inspection Cargo Authority Attachment

Vessel Name: **KIRBY 28051** Official #: 1193006

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Shipyard: West Gulf Marine Hull #: 169

Cargo Identification	1							Condi	tions of Carriage	
							Vapor F	Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D		А	Yes	1		
Benzyl alcohol	BAL	21	D	Е		А	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		А	Yes	1		
Butyl alcohol (iso-)	IAL	20 ²	D	D		А	Yes	1		
Butyl alcohol (n-)	BAN		D	D		А	Yes	1		
Butyl alcohol (sec-)	BAS		D	С		А	Yes	1		
Butyl alcohol (tert-)	BAT		D	С		А	Yes	1		
Butyl benzyl phthalate	BPH	34	D	Е		А	Yes	1		
Butyl toluene	BUE	32	D	D		А	Yes	1		
Caprolactam solutions	CLS	22	D	Е		А	Yes	1		
Cyclohexane	CHX	31	D	С		А	Yes	1		
Cyclohexanol	CHN	20	D	Е		А	Yes	1		
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		А	Yes	2		
p-Cymene	CMP	32	D	D		А	Yes	1		
iso-Decaldehyde	IDA	19	D	Е		А	Yes	1		
n-Decaldehyde	DAL	19	D	Е		А	Yes	1		
Decene	DCE	30	D	D		A	Yes	1		
Decyl alcohol (all isomers)	DAX	20 ²	D	Е		А	Yes	1		
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		A	Yes	1		
Diacetone alcohol	DAA	20 ²	D	D		A	Yes	1		
ortho-Dibutyl phthalate	DPA	34	D	E		A	Yes	1		
Diethylbenzene	DEB	32	D	D		A	Yes	1		
Diethylene glycol	DEG	40 ²	D	E		A	Yes	1		
Diisobutylene	DBL	30	D	C		A	Yes	1		
Diisobutyl ketone	DIK	18	D	D		A	Yes	1		
Diisopropylbenzene (all isomers)	DIX	32	D	E		A	Yes	1		
Dimethyl phthalate	DTL	34	D	E		A	Yes	1		<u> </u>
Dioctyl phthalate	DOP	34	D	E		A	Yes	1		
Dipentene	DPN	30	D	D		A	Yes	1		
Diphenyl	DIL	32	D	D/E		A	Yes	1		
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		A	Yes	1		
Diphenyl ether	DPE	41	D	{E}		A	Yes	1		
Dipropylene glycol	DPG	40	D	E		A	Yes	1		<u> </u>
Distillates: Flashed feed stocks	DFF	33	D	E		A	Yes	1		
Distillates: Straight run	DSR	33	D	E		A	Yes	1		
Dodecene (all isomers)	DOZ	30	D	D		A	Yes	1		
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	E		A	Yes	1		
2-Ethoxyethyl acetate	EEA	34	D	D		A	Yes	1		
Ethoxy triglycol (crude)	ETG	40	D	E		A	Yes	1		
	ETA	34	D	C		A	Yes	1		
Ethyl acetate Ethyl acetoacetate	EAA	34	D	E		A	Yes	1		
	EAL	20 ²	D	C		A	Yes	1		
Ethyl alcohol	ETB	32	D	c		A	Yes	1		
Ethylbenzene	EIB	32 20	D	D		A	Yes	1		
Ethyl butanol	EBE	41	D	C		A	Yes	1		
Ethyl tert-butyl ether	EBR	34	D	D				1		
Ethyl butyrate	ECY					A	Yes			
Ethyl cyclohexane	EGL	31 20 ²	D	D E		A	Yes	1		
Ethylene glycol	EGL	20 ²	D	E		А	Yes	1		



Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28051 Official #: 1193006

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Shipyard: West Gulf Marine Hull #: 169

Cargo Identification	Conditions of Carriage									
								Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Ethylene glycol butyl ether acetate	EMA	34	D	Е		А	Yes	1		
Ethylene glycol diacetate	EGY	34	D	Е		А	Yes	1		
Ethylene glycol phenyl ether	EPE	40	D	Е		А	Yes	1		
Ethyl-3-ethoxypropionate	EEP	34	D	D		А	Yes	1		
2-Ethylhexanol	EHX	20	D	Е		А	Yes	1		
Ethyl propionate	EPR	34	D	С		А	Yes	1		
Ethyl toluene	ETE	32	D	D		А	Yes	1		
Formamide	FAM	10	D	Е		А	Yes	1		
Furfuryl alcohol	FAL	20 ²	D	Е		А	Yes	1		
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		А	Yes	1		
Gasoline blending stocks: Reformates	GRF	33	D	A/C		А	Yes	1		
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	С		A	Yes	1		
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	С		A	Yes	1		
Gasolines: Casinghead (natural)	GCS	33	D	A/C		А	Yes	1		
Gasolines: Polymer	GPL	33	D	A/C		А	Yes	1		
Gasolines: Straight run	GSR	33	D	A/C		А	Yes	1		
Glycerine	GCR	20 ²	D	Е		А	Yes	1		
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	С		A	Yes	1		
Heptanoic acid	HEP	4	D	Е		А	Yes	1		
Heptanol (all isomers)	HTX	20	D	D/E		А	Yes	1		
Heptene (all isomers)	HPX	30	D	С		А	Yes	2		
Heptyl acetate	HPE	34	D	Е		А	Yes	1		
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	D	B/C		А	Yes	1		
Hexanoic acid	HXO	4	D	Е		А	Yes	1		
Hexanol	HXN	20	D	D		А	Yes	1		
Hexene (all isomers)	HEX	30	D	С		А	Yes	2		
Hexylene glycol	HXG	20	D	Е		А	Yes	1		
Isophorone	IPH	18 ²	D	Е		А	Yes	1		
Jet fuel: JP-4	JPF	33	D	Е		А	Yes	1		
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		А	Yes	1		
Kerosene	KRS	33	D	D		A	Yes	1		
Methyl acetate	MTT	34	D	D		А	Yes	1		
Methyl alcohol	MAL	20 ²	D	С		А	Yes	1		
Methylamyl acetate	MAC	34	D	D		А	Yes	1		
Methylamyl alcohol	MAA	20	D	D		A	Yes	1		
Methyl amyl ketone	MAK	18	D	D		А	Yes	1		
Methyl tert-butyl ether	MBE	41 ²	D	С		А	Yes	1		
Methyl butyl ketone	MBK	18	D	С		А	Yes	1		
Methyl butyrate	MBU	34	D	C		A	Yes	1		
Methyl ethyl ketone	MEK	18 ²	D	C		A	Yes	1		
Methyl heptyl ketone	MHK	18	D	D		A	Yes	1		
Methyl isobutyl ketone	MIK	18 ²	D	C		A	Yes	1		
Methyl naphthalene (molten)	MNA	32	D	E		A	Yes	1		
	MNS	33	D	D		A	Yes	1		
Mineral spirits Myrcene	MRE	30	D	D		A	Yes	1		
Naphtha: Heavy	NAG	33	D	#		A	Yes	1		
Naphtha: Petroleum	PTN	33	D	#		A	Yes	1		
	NSV	33	D	# D		A	Yes	1		
Naphtha: Solvent	NSS	33	D	D		A	Yes	1		
Naphtha: Stoddard solvent	1122	33	U	U		А	res	I		



Certificate of Inspection Cargo Authority Attachment

Vessel Name: KIRBY 28051 Official #: 1193006

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Shipyard: West Gulf Marine Hull #: 169

Name Convert State Proof Proof View of Proof State Proof Proof Proof State Proof	Cargo Identification	1						Condi	tions of Carriage	
Name Code Group BC transmit Group BC transmit Or Control List Submits (SC C-D) NAX 31 D C A Yes 1 Number (all somes). See Alkanes (Co-D) NAX 31 D D A Yes 1 Numer (all somes). See Alkanes (Co-D) NAX 31 D D A Yes 1 Numy Instrol Listomes). See Alkanes (Co-D) NAX 31 D C A Yes 1 Numy Instrol Listomes). See Alkanes (Co-D) OAX 31 D C A Yes 1 Octance Carl (all somers) OAX 31 D C A Yes 1 Octance Carl (all somers) OAX 30 D C A Yes 1 1 Oktance Sold (all somers) OAX 30 D C A Yes 1 1 Oktance Sold (all somers) OTX 33 D DE A Yes 1 1 1 <th></th>										
Nonne (ali somers), ane Alkanes (Ce-Cs) NAX 31 D D A Yes 1 Norma (ali somers) NNS 20 ° D E A Yes 1 Nordy factor) (ali somers) NNS 21 ° D E A Yes 1 Nordy factor) (ali somers) OK 41 ° D E A Yes 1 Octamol (ali somers) OK 41 ° D E A Yes 1 Octamol (ali somers) OK 20 ° D E A Yes 1 Octamol (ali somers) OTV 33 ° D D A Yes 1 Octamol (ali somers) OTV 33 ° D DA Yes 1 Ottamol (ali somers) OTV 33 ° D DA Yes 1 Ottamol (ali somers) OTV 33 ° D DA Yes 1 Ottamol (ali somers) OTV 33 ° D<	Name				Grade					
Norma (al isomera) NDN 300 D A Yes 2 Noryl phenol (al isomera) NNP 21 D E A Yes 1 Noryl phenol (al isomera) NNP 21 D E A Yes 1 Noryl phenol (al isomera) OAY 4 D E A Yes 1 Octance (al isomera) OAY 4 D E A Yes 1 Octance (al isomera) OAY 4 D E A Yes 1 Octance (al isomera) OAY 4 D E A Yes 1 Octance (al isomera) OAY 4 D E A Yes 1 Octance (al isomera) OAY 3 D DE A Yes 1 Ol, Isot: No. 2 OTV 33 D DE A Yes 1 Ol, Isot: No. 6 OS 33 D	Naphtha: Varnish makers and painters (75%)	NVM	33	D	С	А	Yes	1		
Nony facond (all somers) NNS 20? D E A Ves 1 Nony fibrario (bol(4)-iphoxylates NPP 21 D E A Ves 1 Nony fibrario (bol(4)-iphoxylates NPP 40 D E A Ves 1 Octance acid (all somers) OAX 31 D C A Ves 1 Octance acid (all somers) OCX 27 D E A Ves 1 Octance acid (all somers) OCX 27 D E A Ves 1 Octance acid (all somers) OTX 30 D C A Yes 1 Olt, texik No. 2 OTW 33 D D A Yes 1 Olt, texik No. 5 OFR 33 D DE A Yes 1 Olt, texik No. 5 OSX 33 D DE A Yes 1 Olt, texik No. 5 <t< td=""><td>Nonane (all isomers), see Alkanes (C6-C9)</td><td>NAX</td><td>31</td><td>D</td><td>D</td><td>А</td><td>Yes</td><td>1</td><td></td><td></td></t<>	Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D	А	Yes	1		
Nony phenol NNP 21 D E A Yes 1 Nony phenol poly(4+jethoxylates NPE 40 D E A Yes 1 Octance all somens) OAX 31 D C A Yes 1 Octance (all somens) OAX 20 2 E A Yes 1 Octance (all somens) OTX 30 D C A Yes 1 Oft, Net No. 2 OTV 33 D DFE A Yes 1 Oft, Net No. 4 OFR 33 D DFE A Yes 1 Oft, Net No. 5 OFV 33 D DFE A Yes 1 Oft, Net No. 5 OFV 33 D DE A Yes 1 Oft, Net No. 5 OFV 33 D E A Yes 1 Oft, Net No. 5 OFD A Yes 1<	Nonene (all isomers)	NON	30	D	D	А	Yes	2		
Nom/ phenol poly(4-betroyletes NPE 40 D E A Yes 1 Octance acid (all isomens) OAX 31 D C A Yes 1 Octance acid (all isomens) OAY 4 D E A Yes 1 Octance (all isomens) OCX 20 / D E A Yes 1 Octance (all isomens) OCX 20 / D C A Yes 1 Oll, telk No. 2 OTTW 33 D DE A Yes 1 Oll, telk No. 4 OFR 33 D DE A Yes 1 Oll, telk No. 6 OSX 33 D DE A Yes 1 Oll, telk No. 6 OSX 33 D DE A Yes 1 Oll, telk No. 6 OSX 33 D E A Yes 1 Oll, misc: Tabite OTB 33	Nonyl alcohol (all isomers)	NNS	20 ²	D	Е	А	Yes	1		
Octano (all isomers) OAX 31 D C A Yes 1 Octanoic (all isomers) OAX 20 D E A Yes 1 Octanoic (all isomers) OCX 20 D E A Yes 1 Octanoic (all isomers) OCX 20 D E A Yes 1 Octanoic (all isomers) OTX 30 D C A Yes 1 Oll, Isol: No. 2 OTV 33 D D A Yes 1 Oll, Isol: No. 4 OFR 33 D DE A Yes 1 Oll, Isoi: No. 6 OSX 33 D E A Yes 1 Oll, Isoi: Chude OIL 33 D E A Yes 1 Oll, Isoi: Chude OIL 33 D E A Yes 1 Oll, Isoi: Chude OR B D	Nonyl phenol	NNP	21	D	Е	Α	Yes	1		
Octanoic acid (all isomers) OAY 4 D E A Yes 1 Octanoi (all isomers) OCX 20 2 D E A Yes 1 Octane (all isomers) OTX 30 D C A Yes 1 Oll, tuel No. 2 OTW 33 D DE A Yes 1 Oll, tuel No. 2-O OTD 33 D DE A Yes 1 Oll, tuel No. 4 OFR 33 D DE A Yes 1 Oll, tuel No. 5 OFV 33 D DE A Yes 1 Oll, tuel No. 6 OSX 33 D E A Yes 1 Oll, tuel No. 6 OSX 33 D E A Yes 1 Oll, mice: Residual ORL 33 D E A Yes 1 Oll, mice: Residual ORTB 33 D	Nonyl phenol poly(4+)ethoxylates	NPE	40	D	Е	А	Yes	1		
Octame (all isomers) OCX 20 ² D E A Yes 1 Octene (all isomers) OTX 30 D C A Yes 1 Onl, fuel: No. 2 OTW 33 D D/E A Yes 1 Oll, fuel: No. 4 ORR 33 D D/E A Yes 1 Oll, fuel: No. 5 OFV 33 D 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 OSX 33 D E A Yes 1 Oll, fuel: No. 6 OSX 33 D E A Yes 1 Oll, misc: Turbine OTR 33 D E A Yes 1 Pertare (all isomers) PTY 30 D	Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	С	А	Yes	1		
Octore (all isomers) OTX 30 D C A Yes 2 Oil, fuel: No. 2-D OTD 33 D D/E A Yes 1 Oil, fuel: No. 2-D OTD 33 D D A Yes 1 Oil, fuel: No. 4 OFR 33 D D/E A Yes 1 Oil, fuel: No. 5 OFV 33 D D/E A Yes 1 Oil, fuel: No. 6 OSX 33 D C/D A Yes 1 Oil, fuel: No. 6 OSX 33 D E A Yes 1 Oil, fuel: No. 6 OBS 33 D E A Yes 1 Oil, fuel: No. 6 OBS 33 D E A Yes 1 Oil, fuel: No. 6 OB D D A A Yes 1 Oil, fuel: No. 6 OB D D A	Octanoic acid (all isomers)	OAY	4	D	Е	А	Yes	1		
Oil, 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. 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 D/E A Yes 1 Oil, misc: Chrode OIL 33 D C/D A Yes 1 Oil, misc: Univation OIB 33 D E A Yes 1 Oil, misc: Univation OIB 33 D E A Yes 1 Oil, misc: Univation OIB 33 D E A Yes 1 Oli, misc: Univation OR A A Yes 1 1 1 1 1 1 1 1 1	Octanol (all isomers)	OCX	20 ²	D	Е	А	Yes	1		
Oil, fuel: No. 2-D OTD 33 D A Yes 1 Oil, fuel: No. 5 OPK 33 D D/E A Yes 1 Oil, fuel: No. 5 OPK 33 D D/E A Yes 1 Oil, fuel: No. 6 OSX 33 D E A Yes 1 Oil, misc: Crude OIL 33 D E A Yes 1 Oil, misc: Crude OLB 33 D E A Yes 1 Oil, misc: Stassibuti ORL 33 D E A Yes 1 Pentare (all isomers) PTY 31 D A Yes 1 Pentare (all isomers) PTX 30 D A A Yes 1 Petare (all isomers) PTX 30 D A A Yes 1 Petare (all isomers) PTX 30 D A Yes	Octene (all isomers)	OTX	30	D	С	А	Yes	2		
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 C/D A Yes 1 Oil, misc: Cude OIL 33 D C/D A Yes 1 Oil, misc: Cubicating OLB 33 D E A Yes 1 Oil, misc: Cubicating OLB 33 D E A Yes 1 Oil, misc: Tubine OTB 33 D E A Yes 1 Pertare (all isomers) PTY 31 D A Yes 5 Pertare (all isomers) PTY 31 D A Yes 1 Poly(2-3)alklylene glycol monoalkyl(C1-C6) ether PPAG 40 D E A Yes 1 Polytocybine Glycol PGC 40	Oil, fuel: No. 2	OTW	33	D	D/E	А	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, misc: Crude OIL 33 D C/D A Yes 1 Oil, misc: Desel ODS 33 D D/E A Yes 1 Oil, misc: Residual ORL 33 D E A Yes 1 Oil, misc: Residual ORL 33 D E A Yes 1 Pertane (all isomers) PTY 1 D A A Yes 5 Pentene (all isomers) PTX 30 D A A Yes 5 Petane (all isomers) PTX 30 D A Yes 1 PolyLoten PID 30 D D A Yes 1 PolyLoten PILB 0 D E A	Oil, fuel: No. 2-D	OTD	33	D	D	А	Yes	1		
Oil, fuel: No. 6 OSX 33 D E A Yes 1 Oil, misc: Dubcating OIL 33 D D/D A Yes 1 Oil, misc: Dubcating OLB 33 D D/D A Yes 1 Oil, misc: Lubricating OLB 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 Pentane (all isomers) PTX 30 D D A Yes 1 Pentane (all isomers) PTX 30 D D A Yes 1 Pentane (all isomers) PTX 30 D D A Yes 1 Delta-Prinene PIO 30 D D A Yes 1 Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAF	Oil, fuel: No. 4	OFR	33	D	D/E	А	Yes	1		
Oil, misc: Crude Oil, 33 D C/D A Yes 1 Oil, misc: Ubreal ODS 33 D D/E A Yes 1 Oil, misc: Ubreal ODS 33 D E A Yes 1 Oil, misc: Diversity OIL 33 D E A Yes 1 Oil, misc: Turbine OTB 33 D E A Yes 1 Pentane (al isomers) PTY 31 D A A Yes 1 Pentane (al isomers) PTY 30 D A A Yes 1 Palpha-Pinene PIO 30 D D A Yes 1 Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 PolyDutane PLB 30 D E A Yes 1 PolyDuplene glycol PGC 40 C<	Oil, fuel: No. 5	OFV	33	D	D/E	А	Yes	1		
Oil, miss: Crude Oil, 33 D C/D A Yes 1 Oil, miss: Diseal ODS 33 D D/E A Yes 1 Oil, miss: Dividing OLB 33 D E A Yes 1 Oil, miss: Dividing ORL 33 D E A Yes 1 Oil, miss: Chroline OTB 33 D E A Yes 1 Pertane (all isomers) PTY 31 D A A Yes 5 Pertane (all isomers) PTY 30 D A A Yes 1 beta-Prinene PIO 30 D D A Yes 1 Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 Polytopylene glycol Bo C A Yes 1 D D A Yes 1 Bo-Propyle		OSX	33	D	Е	А		1		
Oil, misc: Disel ODS 33 D D/E A Yes 1 Oil, misc: Cubricating OLB 33 D E A Yes 1 Oil, misc: Residual ORL 33 D E A Yes 1 Oil, misc: Residual ORL 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 1 beta-Pinene PIO 30 D D A Yes 1 Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether PAF 34 D E A Yes 1 Polytorophile edycol PAC 40 D E A Yes 1 Polytorophile edycol PAF 34 D C A Yes 1 Polytorophile edycol PAF		OIL	33	D	C/D	А	Yes	1		
Oil, misc: Lubricating OLB 33 D E A Yes 1 Oil, misc: Tubine OTB 33 D E A Yes 1 Pentane (all isomers) PTY 31 D A Yes 5 Pentane (all isomers) PTY 30 D A A Yes 5 alpha-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 Poly(2-8)alkylene glycol PGC 40 D E A Yes 1 Polytotene PLB 30 D E A Yes 1 Polytotene PLB 20 D C A Yes 1 Poropyla acetate IAC <t< td=""><td></td><td>ODS</td><td>33</td><td>D</td><td>D/E</td><td>А</td><td>Yes</td><td>1</td><td></td><td></td></t<>		ODS	33	D	D/E	А	Yes	1		
OIL miss: Residual ORL 33 D E A Yes 1 OIL, miss: Turbine OTB 33 D E A Yes 1 Pertane (all isomers) PTY 31 D A A Yes 5 Pentene (all isomers) PTX 30 D A A Yes 5 Pentene (all isomers) PTX 30 D A Yes 1 beta-Pinene PIO 30 D D A Yes 1 Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate PAG 40 D E A Yes 1 Polytorepylene glycol Padc 40 D E A Yes 1 Propylacetate 1AC 34 D C A Yes 1 Propylacohol PAL 20 ² D C A Yes 1 Iso-Propyl alcohol PAL 20 ² D <				D						
Oil, misc: Turbine OTB 33 D E A Yes 1 Pentene (all isomers) PTY 31 D A A Yes 5 Pentene (all isomers) PTX 30 D A A Yes 5 alpha-Pinene PIO 30 D D A Yes 1 Poly(2-8)alkylene glycol monoalky(IC1-C6) ether PAG 40 D E A Yes 1 Poly(2-8)alkylene glycol monoalky(IC1-C6) ether acetate PAF 34 D E A Yes 1 Poly(2-8)alkylene glycol monoalky(IC1-C6) ether acetate PAF 34 D E A Yes 1 Polytoropylane glycol Iso-Propyl acetate IAC 34 D C A Yes 1 iso-Propyl acetate PAT 34 D C A Yes 1 iso-Propyl acotate IPA 20 D C A Yes										
Pertane (all isomers) PTY 31 D A A Yes 5 Pentane (all isomers) PTX 30 D A A Yes 5 alpha-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 PAG 40 D E A Yes 1 Polybutene PLB 30 D E A Yes 1 Polybutene PLB 30 D E A Yes 1 iso-Propyl acetate IAC 34 D C A Yes 1 iso-Propyl acetate PAL 20 2 D C A Yes 1 iso-Propyl acetate PAL 20 2 D C A Yes 1 iso-Propyle aclohol PAL	,									
Pertene (all isomers) PTX 30 D A A Yes 5 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 Poly(2-8)alkylene glycol POC6C 40 D E A Yes 1 Polytopylene glycol PGC 40 D E A Yes 1 iso-Propyl acetate IAC 34 D C A Yes 1 iso-Propyl alcohol IPA 20 D C A Yes 1 iso-Propylacetate IPA 20 D C A Yes 1 iso-Propylacolohexane										
alpha-Pinene PIO 30 D A Yes 1 beta-Pinene PIP 30 D D A Yes 1 Poly(2-8)alkylere glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 Poly(2-8)alkylere glycol monoalkyl(C1-C6) ether acetate PAF 34 D E A Yes 1 Poly(2-8)alkylere glycol PGC 40 D E A Yes 1 Polytopylene glycol PGC 40 D E A Yes 1 Polytopylacetate IAC 34 D C A Yes 1 iso-Propylacetate IAC 34 D C A Yes 1 iso-Propylacetate IPA 20 2 D C A Yes 1 iso-Propylacohol PAL 20 2 D D A Yes 1 iso-Propylexolokexane IPX <td></td>										
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Certificate of Inspection Cargo Authority Attachment

Vessel Name: **KIRBY 28051** Official #: 1193006

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Shipyard: West Gulf Mari Hull #: 169

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 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.
Note 1	Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone
Note 2	(202) 372-1425. See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D Subchapter O Note 3	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	Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
D, E Note 4	Combustible liquid cargoes, as defined in 46 CFR 30-10.15. The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the
NA	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	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).
III	Designed to carry products of sufficeint hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).
NA	Not applicable to barges certificated under Subchapter D.
Conditions of Carriage	
Tank Group Vapor Recovery	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
Conditions of Carriage	
Tank Group	The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
VCS Category:	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.5 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.
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.
Category 6	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.
Category 7	(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.