



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

Certification Date: 27 Sep 2024
Expiration Date: 27 Sep 2029

Certificate of Inspection

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

Vessel Name: KIRBY 22400 Official Number: 1153104 IMO Number: Call Sign: Service: Tank Barge

Hailing Port: MIAMI, FL Hull Material: Steel Propulsion: UNITED STATES

Place Built: MADISONVILLE, LA Delivery Date: 19Nov2004 Keel Laid Date: 14Jun2004 Gross Tons: R-11744 Net Tons: R-1953 DWT: 908 Length: R-263.2
UNITED STATES

Owner: KIRBY INLAND MARINE LP
55 WAUGH DR SUITE 1000
HOUSTON, TX 77007
UNITED STATES
Operator: KIRBY INLAND MARINE, LP
18350 MARKET STREET
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 Masters	0 Licensed Mates	0 Chief Engineers	0 Oilers
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	
0 Second Mates	0 Radio Officers	0 Second Assistant Engineers	
0 Third Mates	0 Able Seamen	0 Third Assistant Engineers	
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Engineers	
0 Mate First Class Pilots	0 Deckhands	0 Qualified Member Engineer	

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

Route Permitted And Conditions Of Operation:

---Oceans---

Not on International voyages.

Vessel is prohibited from discharging noxious liquid substance (NLS) residue to the sea.

This tank barge is participating in the Eighth 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.

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

Annual/Periodic/Re-Inspection

Date	Zone	A/P/R	Signature
9-24-2025	NOLA	A	Munphy

This certificate issued by: *L. L. Woodman*
L. L. WOODMAN, CDR, USCG, By direction
Officer in Charge, Marine Inspection
Marine Safety Unit Port Arthur
Inspection Zone



Certificate of Inspection

Vessel Name: KIRBY 22400

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Oct2024	01Oct2019	12Jun2014
Internal Structure	31Oct2022	01Oct2019	22Jun2016

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

Authorization: GRADE "B" AND LOWER

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
20000	Barrels	B	No	Yes	No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1P/S	359	12.83
2P/S	353	12.83
3P/S	353	12.83
4P/S	347	12.83
5P/S	347	12.83
6P/S	347	12.83

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	4046	11ft 0in	12.83	

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial #C1-1503424, dated August 21, 2015, and Grade "B" and lower cargoes may be carried.

In accordance with 46 CFR Part 39, excluding part 39.4000, this vessel's vapor collection system has been inspected to the plans approved by MSC letter Serial #C1-1503424 dated August 21, 2015, and has been found acceptable for the collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column of the vessel's Cargo Authority Attachment. The VCS system has been approved with a pressure side 1 psig P/V valve with Coast Guard Approval 162.017/144/3. The cargo tank top is suitable for a maximum allowable working pressure (MAWP) of 3 psi.

When the vessel is carrying cargoes containing greater than 0.5% benzene, the person in charge is responsible for ensuring the provisions of 46 US Code of Federal Regulations Part 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 figures, tables and appendices of 46 CFR 150 in conjunction with the compatibility group numbers from the "COMPAT GRP" column listed in the vessel's CAA.

The maximum density of cargo which may be filled to the tank top is 8.74 lbs/gal. Cargoes with higher densities, up to 12.83 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

--- Inspection Status ---



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

Certification Date: 01 Oct 2019

Expiration Date: 01 Oct 2024

Certificate of Inspection

Vessel Name: KIRBY 22400

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1P/S	19Nov2004	12Jun2014	30Jun2024	-	-	-
2P/S	19Nov2004	12Jun2014	30Jun2024	-	-	-
3P/S	19Nov2004	12Jun2014	30Jun2024	-	-	-
4P/S	19Nov2004	12Jun2014	30Jun2024	-	-	-
5P/S	19Nov2004	12Jun2014	30Jun2024	-	-	-
6P/S	19Nov2004	12Jun2014	30Jun2024	-	-	-

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1P/S	-	-	-	-
2P/S	-	-	-	-
3P/S	-	-	-	-
4P/S	-	-	-	-
5P/S	-	-	-	-
6P/S	-	-	-	-

Pressure Vessels

Type	Location	Previous	Last	Next
Air Receiver	On Deck AFT	12Jun2014	01Oct2019	31Oct2024

---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
3	40-B

END



Department of Homeland Security
United States Coast Guard

Serial #: C1-1503424

Dated: 21-Aug-15

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 22400

Official #: 1153104

Shipyard: Trinity Marine-Madisonville

Hull #: 2130-1

Tank Group Characteristics

Tnk Grp Tanks in Group	Density	Flammability Grade	Fire Protection	Comments
A All	12.83	B	Portable	None

Authorized NLS Cargoes

Cargo Identification						Conditions of Carriage		
Name	Chem Code	Compat Group No	IMO Pollution Category	Grade	Tank Group	Vapor Recovery		
						App'd (Y or N)	VCS Category	
Acetophenone	ACP	18	@D	E	A	Yes	1	
Acrylonitrile-Styrene copolymer dispersion in Polyether polyol	ALE	20	D	E	A	No	N/A	
iso- & cyclo-Alkanes (C10-C11)	AKI	31	D	#	A	No	N/A	
Alkenyl(C11+)amine	AKM	11	D	D/E	A	No	N/A	
Alkenyl(C16-C20) succinic anhydride	AAH	11	D	D	A	No	N/A	
Alkyl(C8+)amine, Alkenyl (C12+) acid ester mixture	AAA	34	D	E	A	No	N/A	
Alkyl dithiothiadiazole (C6-C24)	ADT	33	D	D	A	No	N/A	
Alkyl ester copolymer (C4-C20)	AES	34	D	E	A	No	N/A	
Alkyl (C8-C40) phenol sulfide	AKS	34	D	E	A	No	N/A	
Ammonium hydrogen phosphate solution	AMI	0	D	NA	A	No	N/A	
Ammonium phosphate, Urea solution, see also Urea, Ammonium phosphate solution	023	43	D	NA	A	No	N/A	
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D	A	Yes	1	
Animal and Fish acid oils and distillates, n.o.s.	AFA	34	D	#	A	No	N/A	
Animal and Fish oils, n.o.s. (see also Oil, edible, or Oil, misc.)	AFN	34	D	#	A	No	N/A	
Aviation alkylates (C8 paraffins and iso-paraffins b. pt. 95-120 deg. C)	AVA	33	C	#	A	No	N/A	
Butylene glycol	BUG	20 ²	D	E	A	No	N/A	
iso-Butyl formate	BFI	34	D	#	A	No	N/A	
Caprolactam solutions	CLS	22	D	E	A	Yes	1	
Caustic Soda Solution	CSS	5 ²	D	NA	A	No	N/A	
Cycloheptane	CYE	31	C	C	A	Yes	1	
Cyclohexane	CHX	31	C	C	A	Yes	1	
Cyclopentane	CYP	31	C	B	A	Yes	1	
p-Cymene	CMP	32	C	D	A	Yes	1	
Ethyl acetate	ETA	34	D	C	A	Yes	1	
Ethyl cyclohexane	ECY	31	C	D	A	Yes	1	
Ethyl propionate	EPR	34	D	C	A	Yes	1	
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	C	C	A	Yes	1	
Heptanoic acid	HEP	4	D	E	A	Yes	1	
Heptene (all isomers)	HPX	30	C	C	A	No	N/A	
Hexamethylenediamine adipate solution (50% or less)	HAM	43	D	NA	A	No	N/A	
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	C	B/C	A	Yes	1	
Hexanol	HXN	20	D	D	A	Yes	1	
Hexene (all isomers)	HEX	30	C	C	A	No	N/A	
Methyl alcohol	MAL	20 ²	D	C	A	Yes	1	
Methyl tert-butyl ether	MBE	41 ²	D	C	A	Yes	1	
Methylcyclohexane	MCY	31	C	C	A	Yes	1	
Methyl isobutyl ketone	MIK	18 ²	D	C	A	Yes	1	
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	C	D	A	Yes	1	
iso-Nonanoic acid	NAI		D		A	No	N/A	

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Department of Homeland Security
United States Coast Guard

Serial #: C1-1503424

Dated: 21-Aug-15

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 22400

Shipyard: Trinity Marine-
Madisonville

Official #: 1153104

Page 2 of 4

Hull #: 2130-1

Cargo Identification					Conditions of Carriage		
Name	Chem Code	Compat Group No	IMO Pollution Category	Grade	Tank Group	Vapor Recovery	
						App'd (Y or N)	VCS Category
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	C	C	A	Yes	1
Oil, edible: Babassu	OB		D		A	No	N/A
Oil, edible: Soya bean	OSB	34	D	E	A	No	N/A
Oil misc, Soya bean (epoxidized)	OSC	34	[D]	E	A	No	N/A
Oil, misc: Whale	OWH	34	D	{E}	A	No	N/A
Olefin mixtures (C5-C7)	OFX	30	C	A/E	A	No	N/A
Palm kernel acid oil, methyl ester	PNF	34	[D]	#	A	No	N/A
1-Phenyl-1-xylyl ethane	PXE	32	C	E	A	No	N/A
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E	A	Yes	1
iso-Propylcyclohexane	IPX	31	C	D	A	Yes	1
Propylene dimer	PDR	30	C	#	A	No	N/A
Sulfonated polyacrylate solution	SPA	43	D	NA	A	No	N/A
Tetrahydronaphthalene	THN	32	C	E	A	Yes	1
Toluene	TOL	32	C	C	A	Yes	1
Xylenes (ortho-, meta-, para-)	XLX	32	C	D	A	Yes	1

This vessel is approved to collect vapors of the following 46 CFR Subchapter D flammable and/or combustible liquid cargoes using the approved onboard vapor control system.

Subchapter D Cargoes Authorized for Vapor Control

Cargo Identification					Conditions of Carriage		
Name	Chem Code	Compat Group No	IMO Pollution Category	Grade	Tank Group	Vapor Recovery	
						App'd (Y or N)	VCS Category
Acetone	ACT	18 2	III	C	A	Yes	1
Butyl alcohol (iso-)	IAL	20 2	III	D	A	Yes	1
Butyl alcohol (n-)	BAN	20 2	III	D	A	Yes	1
Butyl alcohol (sec-)	BAS	20 2	III	C	A	Yes	1
Butyl alcohol (tert-)	BAT	20 2	III	C	A	Yes	1
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	III	E	A	Yes	1
Diethyl phthalate	DOP	34	III	E	A	Yes	1
Dipropylene glycol	DPG	40	III	E	A	Yes	1
Distillates: Flashed feed stocks	DFF	33	I	E	A	Yes	1
Distillates: Straight run	DSR	33	I	E	A	Yes	1
Ethyl alcohol	EAL	20 2	III	C	A	Yes	1
Gasoline blending stocks: Alkylates	GAK	33	I	A/C	A	Yes	1
Gasoline blending stocks: Reformates	GRF	33	I	A/C	A	Yes	1
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	I	C	A	Yes	1
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	I	C	A	Yes	1
Gasolines: Casinghead (natural)	GCS	33	I	A/C	A	Yes	1
Gasolines: Polymer	GPL	33	I	A/C	A	Yes	1
Gasolines: Straight run	GSR	33	I	A/C	A	Yes	1
Hexylene glycol	HXG	20	III	E	A	Yes	1
Jet fuel: JP-4	JPF	33	I	E	A	Yes	1
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	I	D	A	Yes	1
Kerosene	KRS	33	I	D	A	Yes	1
Methyl acetate	MTT	34	III	D	A	Yes	1

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Hull #: 2130-1

Cargo Identification						Conditions of Carriage		
Name	Chem Code	Compat Group No	IMO Pollution Category	Grade	Tank Group	Vapor Recovery App'd (Y or N)	VCS Category	
Methyl ethyl ketone	MEK	18 ²	III	C	A	Yes	1	
Mineral spirits	MNS	33	I	D	A	Yes	1	
Naphtha: Heavy	NAG	33	@I	#	A	Yes	1	
Naphtha: Petroleum	PTN	33	I	#	A	Yes	1	
Naphtha: Solvent	NSV	33	@I	D	A	Yes	1	
Naphtha: Stoddard solvent	NSS	33	@I	D	A	Yes	1	
Naphtha: Varnish makers and painters (75%)	NVM	33	@I	C	A	Yes	1	
Oil, fuel: No. 2	OTW	33	I	D/E	A	Yes	1	
Oil, fuel: No. 2-D	OTD	33	I	D	A	Yes	1	
Oil, fuel: No. 4	OFR	33	I	D/E	A	Yes	1	
Oil, fuel: No. 5	OFV	33	I	D/E	A	Yes	1	
Oil, fuel: No. 6	OSX	33	I	E	A	Yes	1	
Oil, misc: Crude	OIL	33	I	A/D	A	Yes	1	
Oil, misc: Diesel	ODS	33	I	D/E	A	Yes	1	
Oil, misc: Gas, high pour	OGP	33	@I	E	A	Yes	1	
Oil, misc: Lubricating	OLB	33	I	E	A	Yes	1	
Oil, misc: Residual	ORL	33	I	E	A	Yes	1	
Oil, misc: Turbine	OTB	33	I	E	A	Yes	1	
Polybutene	PLB	30	III	E	A	Yes	1	
iso-Propyl acetate	IAC	34	III	C	A	Yes	1	
iso-Propyl alcohol	IPA	20 ²	III	C	A	Yes	1	
n-Propyl alcohol	PAL	20 ²	III	C	A	Yes	1	
Propylene glycol	PPG	20 ²	III	E	A	Yes	1	

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United States Coast Guard

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Cargo Authority Attachment

Vessel Name: KIRBY 22400

Official #: 1153104

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Shipyard: Trinity Marine-

Hull #: 2130-1

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	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.
Compatibility 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 (G-MSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 267-1217.
Note 2	See Appendix I to 46 CFR Part 150 - exceptions to the compatibility chart.
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D	Those flammable and combustible liquids listed in 46 CFR Table 30.25-1.
Subchapter O	Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.
Note 3	Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-ocean-going 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	Combustible liquid cargoes, as defined in 46 CFR 30-10.15.
Note 4	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.
NA	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.
I	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).
II	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 sufficient 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	The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo.
Vapor Recovery	
Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
VCS Category:	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(Polymers) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety components 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	(Polymers 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 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 polymers) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.

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