



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

Certification Date: 09 Mar 2021
Expiration Date: 09 Mar 2026

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 10527** Official Number: **981886** IMO Number: Call Sign: Service: **Tank Barge**

Hailing Port: **VICKSBURG, MS** Hull Material: **Steel** Horsepower: Propulsion: **Unknown**
UNITED STATES

Place Built: **CARUTHERSVILLE, MO** Delivery Date: **10Jul1992** Keel Laid Date: **01Jun1992** Gross Tons: **R-705** Net Tons: **R-705** DWT: Length: **R-200 0**
UNITED STATES **10**

Owner: **KIRBY INLAND MARINE LP**
55 WAUGH DR STE 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 Chief Mates
- 0 Second Mates
- 0 Third Mates
- 0 Master First Class Pilot
- 0 Mate First Class Pilots
- 0 Licensed Mates
- 0 First Class Pilots
- 0 Radio Officers
- 0 Able Seamen
- 0 Ordinary Seamen
- 0 Deckhands
- 0 Chief Engineers
- 0 First Assistant Engineers
- 0 Second Assistant Engineers
- 0 Third Assistant Engineers
- 0 Licensed Engineers
- 0 Qualified Member Engineer
- 0 Oilers

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---

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 in accordance with its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCMH 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
5-5-2022	Texas City	A	Michael W. Johnson Jr.
3-28-23	San Diego	P	Daniel Brown

This certificate issued by *J.J. Andrew, CDR*
J.J. ANDREW, CDR, USCG, By direction
Officer in Charge, Marine Inspection
Marine Safety Unit Port Arthur
Inspection Zone

Handwritten notes and signatures at the bottom right of the page.



Certificate of Inspection

Vessel Name: KIRBY 10527

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Dec2025	09Mar2021	03Dec2010
Internal Structure	28Feb2024	09Mar2021	01Feb2016

---Stability---

Type	Issued Date	Office
Book	None Valid	

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

Authorization: FLAMMABLE, COMBUSTIBLE LIQUIDS AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10853	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	499	13.60
2	518	13.60
3	566	13.60

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
I	1347	8ft 6in	13.6	R, LBS
II	1400	8ft 9in	13.6	R, LBS
II	1507	9ft 3in	12.4	R, LBS
III	1400	8ft 9in	13.6	R, LBS
III	1507	9ft 3in	12.4	R, LBS

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN92000790, dated 20 Apr 2000, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

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

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

Vapor Control Authorization

Per 46 CFR 39, excluding Part 39.4000, this vessel's vapor control system (VCS) has been inspected to the plans approved



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by Marine Safety Center letters serial #M-10829, dated 20Nov91 and serial #C-20519 dated 18Dec92, and found acceptable for collection of bulk liquid cargo vapors from those specific Subchapter "D" cargoes contained in the that letter, and those specified hazardous cargoes annotated a "V" or "T" in the CAA.

The letter "V" in the note column of the CAA signifies approval for vapor control without any additional requirements.

The letter "T" in the note column of the CAA signifies that the cargo is highly toxic and that spill valves or rupture disks are not authorized as the primary means of overfill protection required by 46 CFR 39.20-9. A high level and overfill alarm is required by 46 CFR 39.20-7.

Stability and Trim

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

The maximum design density of cargo which may be filled to the tank top is 12.4 lbs/gal. Cargoes with higher densities, up to 13.60 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1	03Dec2010	09Mar2021	31Dec2030	-	-	-
2	03Dec2010	09Mar2021	31Dec2030	-	-	-
3	03Dec2010	09Mar2021	31Dec2030	-	-	-

Hydro Test

Tank Id	Safety Valves		Hydro Test		
	Previous	Last	Previous	Last	Next
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-

---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



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10527

Official #: D981885

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Shipyard: CARUTHERSVILLE SHI

Hull #: 5541

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
		Group No	Exc				

Authorized Subchapter 0 Cargoes

Acetic acid	AAC	4	Y	D	III		.50-73, .55-1(g)
Ammonium bisulfite solution (70% or less)	ABX	43	Y		III		.50-73, .56-1(a), (b), (c)
Acetic anhydride	ACA	11	N	D	III		.50-73, .55-1(g)
Acrylonitrile	ACN	15	Y	C	II	T	.50-70(a), .55-1(e)
Acrylic acid	ACR	4	Y	D	III		.50-70(a), .50-73, .50-81, .58-1(a)
Adiponitrile	ADN	37	N	E	II		No
Aminoethylethanolamine	AEE	8	N	E	III		.55-1(b)
Anthracene oil (Coal tar fraction)	AHO	33	N		II		No
Alkyl(C7-C9) nitrates	AKN	34	Y		III		.50-81, .50-86
Ammonium hydroxide (28% or less NH3)	AMH	6	N		III		.56-1(a), (b), (c), (f), (g)
Aluminum sulfate solution	ASX	43	Y	NF	III		.58-1(e)
Acetonitrile	ATN	37	N	C	III	T	No
Butyraldehyde (all isomers)	BAE	19	N	C	III		.55-1(h)
Butyl acrylate (all isomers)	BAR	14	N	D	III		.50-70(a), .50-81(a), (b)
Butyl methacrylate	BMH	14	N	D	III		.50-70(a), .50-81(a), (b)
Carbon tetrachloride	CBT	36	N		III		No
Cyclohexanone	CCH	18	N	D	III		.56-1(a), (b)
Creosote (all isomers)	CCW	21	Y	E	III		No
Cyclohexylamine	CHA	7	N	D	III		.56-1(a), (b), (c), (g)
Camphor oil	CPO	18	N	D	II		No
Caustic potash solution	CPS	5	Y		III		.50-73, .55-1(j)
Chlorobenzene	CRB	36	N	D	III		No
Chloroform	CRF	36	N	E	III		No
Cresols	CRS	21	N	E	III		No
Cresylic acid tar	CRX	21	N		III		.55-1(f)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	N	D	III	V	.50-80, .56-1(b)
Cresylate spent caustic	CSC	5	N		III		.50-73, .55-1(b)
Caustic soda solution	CSS	5	Y		III		.50-73, .55-1(j)
Crotonaldehyde	CTA	19	Y	C	II	T	.55-1(h)
N,N-Dimethylacetamide	DAC	10	N	E	III	T	.56-1(b)
2,4-Dichlorophenoxyacetic acid, dimethylamine saltsolution	DAD	0	Y		III		.56-1(a), (b), (c), (g)
Diisobutylamine	DBU	7	N	D	III	T	.55-1(c)
Dichlorobenzenes (all isomers)	DBX	36	N	E	III	T	.56-1(a), (b)
1,1-Dichloroethane	DCH	36	N	C	III		No
Dichloromethane	DCM	36	N	NF	III		No
2,4-Dichlorophenoxyacetic acid, dimethylamine saltsolution (70% or less)	DDA	0	Y	NF	III		.55-1(b)
2,4-Dichlorophenoxyacetic acid, diethanolamine saltsolution	DDE	43	N		III		.56-1(a), (b), (c), (g)
Diethanolamine	DEA	8	N	E	III		.55-1(c)
2,2'-Dichloroethyl ether	DEE	41	N	D	II		.55-1(f)
Diethylamine	DEN	7	N	C	III	T	.55-1(c)
Diethylenetriamine	DET	7	Y	E	III		.55-1(c)
Diisopropylamine	DIA	7	N	C	II	T	.55-1(c)
Diisopropanolamine	DIP	8	N	E	III		.55-1(c)
Dimethylethanolamine	DMB	8	N	D	III		.56-1(b), (c)
Dimethylformamide	DMF	10	N	D	III		.55-1(e)
Dichloropropene, Dichloropropane mixtures	DMX	15	N		II		No
Di-n-propylamine	DNA	7	N	C	II	T	.55-1(c)
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	N	E	III		.56-1(b)
1,1-Dichloropropane	DPB	36	N	C	III		No

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 10527**
Official #: **D981885**

Shipyards: **CARUTHERSVI**
Hull #: **5541**

Cargo Identification							Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction	
		Group No	Exc					
1,3-Dichloropropane	DPC	36	N	C	III	T	No	
1,2-Dichloropropane	DPP	36	N	C	III	T	No	
1,3-Dichloropropene	DPU	15	N	D	II		No	
2,4-Dichlorophenoxyacetic acid, triisopropanolaminesalt solution	DTI	43	Y		III		.56-1(a), (b), (c), (g)	
Ethyl acrylate	EAC	14	N	C	III		.50-70(a), .50-81(a), (b)	
2-Ethylhexyl acrylate	EAI	14	N	E	III		.50-70(a), .50-81(a), (b)	
Ethylamine solution (72% or less)	EAN	7	N	A	II	T	.55-1(b)	
N-Ethylbutylamine	EBA	7	N	C	III	T	.55-1(b)	
N-Ethylcyclohexylamine	ECC	7	N	D	III		.55-1(b)	
Ethylenediamine	EDA	7	Y	D	III		.55-1(c)	
Ethylene dichloride	EDC	36	Y	C	III	V	No	
Ethylene glycol propyl ether	EGP	40	N	E	III		No	
2-Ethyl-3-propylacrolein	EPA	19	Y	E	III		No	
Ethylene cyanohydrin	ETC	20	N	E	III		No	
Ethyl methacrylate	ETM	14	N	C	III		.50-70(a)	
Furfural	FFA	19	N	E	III		.55-1(h)	
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	III		.55-1(h)	
Glutaraldehyde solution (50% or less)	GTA	19	N	NF	III		No	
Hexamethylenediamine solution	HMC	7	N	E	III		.55-1(c)	
Hexamethyleneimine	HMI	7	N	C	II		.56-1(b), (c)	
Isoodecyl acrylate	IAI	14	N	E	III		.50-70(a), .50-81(a), (b), .55-1(c)	
Isoprene, Pentadiene mixture	IPN	30	N	A	III		.50-70(a), .55-1(c)	
iso-Propylamine	IPP	7	N	A	II		.55-1(c)	
Isoprene	IPR	30	N	A	III		.50-70(a), .50-81(a), (b)	
Kraft pulping liquors (free alkali content 3% or more)	KPL	5	N		III		.50-73, .56-1(a), (c), (g)	
Methyl acrylate	MAM	14	N	C	III		.50-70(a), .50-81(a), (b)	
Methylcyclopentadiene dimer	MCK	30	N	C	III		No	
Methyl diethanolamine	MDE	8	N	E	III		.56-1(b), (c)	
Ethanolamine	MEA	8	N	E	III		.55-1(c)	
2-Methyl-5-ethylpyridine	MEP	9	N	E	III		.55-1(e)	
Methyl methacrylate	MMM	14	N	C	III		.50-70(a), .50-81(a), (b)	
iso-Propanolamine	MPA	8	N	E	III		.55-1(c)	
Morpholine	MPL	7	Y	D	III		.55-1(c)	
2-Methylpyridine	MPR	9	N	D	III	T	.55-1(c)	
Mesityl oxide	MSO	18	Y	D	III		No	
alpha-Methylstyrene	MSR	30	N	D	III		.50-70(a), .50-81(a), (b)	
Coal tar naphtha solvent	NCT	33	N	D	III		.50-73	
1- or 2-Nitropropane	NPM	42	N	D	III		.50-81	
Propanolamine (iso-, n-)	PAX	8	N	E	III		.56-1(b), (c)	
1,3-Pentadiene	PDE	30	N	A	III		.50-70(a), .50-81	
Polyethylene polyamines	PEB	7	Y	E	III		.55-1(e)	
Perchloroethylene	PER	36	N	NF	III		No	
Propionic acid	PNA	4	N	D	III		.50-73, .55-1(g)	
Pyridine	PRD	9	N	C	III		.55-1(e)	
Sodium aluminate solution (45% or less)	SAU	5	N		III		.50-73, .56-1(a), (b), (c)	
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	III		.50-73	
Sodium hypochlorite solution (20% or less)	SHQ	5	N	NF	III		.50-73, .56-1(a), (b)	
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0	Y		III		.50-73, .55-1(b)	
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0	Y		III		.50-73, .55-1(b)	
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0	Y		II		.50-73, .55-1(b)	
Sodium thiocyanate solution (56% or less)	STS	0	Y		III		.58-1(a)	

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Cargo Authority Attachment

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Shipyards: CARUTHERSVI

Hull #: 5541

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'l's of Construction
		Group No	Exc				
Styrene	STY	30	N	D	III		.50-70(a), .50-81(a), (b)
Trichloroethylene	TCL	36	Y		III		No
1,1,2-Trichloroethane	TCM	36	N		III		.50-73, .56-1(a)
1,2,3-Trichloropropane	TCN	36	N	E	II	T	.50-73, .56-1(a)
Triethanolamine	TEA	8	Y	E	III		.55-1(b)
1,1,2,2-Tetrachloroethane	TEC	36	N	NF	III		No
Triethylamine	TEN	7	N	C	II	T	.55-1(e)
Triethylenetetramine	TET	7	Y	E	III		.55-1(b)
Tetrahydrofuran	THF	41	N	C	III		.50-70(b)
Triphenylborane (10% or less), caustic soda solution	TPB	5	N		III		.56-1(a), (b), (c)
Tetraethylenepentamine	TTP	7	N	E	III		.55-1(c)
Urea, Ammonium nitrate solution (containing more than 2% Ammonia)	UAS	6	N		III		.56-1(b)
Vinyl acetate	VAM	13	N	C	III		.50-70(a), .50-81(a), (b)
Vanillin black liquor (free alkali content 3% or more)	VBL	5	N		III		.50-73, .56-1(a), (c), (g)
Vinyltoluene	VNT	13	N	D	III		.50-70(a), .50-81, .56-1(a), (b), (c), (g)

Explanation of terms & symbols used in the Table:

Cargo Identification

Name	The proper shipping name as listed in 46 CFR Table 151.05.
Chem Code	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.
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.
Exceptions (Exc)	Indication of whether or not there are exceptions to the compatibility chart for the given cargo. See Appendix I to 46 CFR Part 150.
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.
NA, NF	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).

Conditions of Carriage

Note	See Certificate of Inspection for explanation of symbols used in this column.
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