



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

Certification Date: 26 Jan 2022  
Expiration Date: 26 Jan 2027

# 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	Official Number	IMO Number	Call Sign	Service
KIRBY 16804	979279			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
HOUSTON, TX	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
CARUTHERSVILLE MO	11Oct1991	01May1991	R-1179	R-1179		R-260.0
UNITED STATES			I-	I-		I-0

Owner	Operator
KIRBY INLAND MARINE INC 55 WAUGH DRIVE SUITE 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 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:  
**---Lakes, Bays, and Sounds plus Limited Coastwise---**  
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 per 46 CFR 31.10-21(a)(2). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a)(1) and the cognizant OCMI must be notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eight Coast Guard district's Tank Barge Streamlined Inspection Program

\*\*\*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				This certificate issued by: <i>K. A. Hantal</i> K. A. Hantal, CDR, USCG, By direction
Date	Zone	A/P/R	Signature	
2-15-23	Houston TX	A	Randy Nelson	Officer in Charge, Marine Inspection Marine Safety Unit Port Arthur
12-04-23	HOU / GAL	P	DANNY E. MURPHY	
11/18/24	HOU	A	Andrew Maharcj	
Inspection Zone				





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(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 the OCMI Houston-Galveston.

### ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Oct2026	11Oct2016	12Dec2011
Internal Structure	31Oct2026	26Jan2022	11Oct2016

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

Authorization: LIQUEFIED FLAMMABLE GAS AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
16253	Barrels	LFG	Yes	No	No

### \*Hazardous Bulk Solids Authority\*

Not Authorized

### \*Loading Constraints - Structural\*

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1&2 (BDI)	835	5.200
1&2 (BUT)	767	4.800
1&2 (BTN)	793	4.960
1&2 (IBL)	797	5.000
1&2 (PRP, PPM)	639	4.200
1&2 (PPL)	668	4.300
1&2 (IBT, BMX)	739	4.700

### \*Conditions Of Carriage\*

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN91004874, dated 10OCT01, 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 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 reactive group number from the "Compat Group No" column listed in the vessel's CAA.

Inspected and approved for the carriage of specified Liquefied Flammable Gases (LFG) at a pressure not to exceed 260 PSIG relief valve setting and at temperatures not less than ambient (0-115 degrees F).

### \*Loading Constraints - Stability\*

Hull Type	Max Load (S/T)	Max Draft (ft/in)	Max Density (lbs/gal)	Route
II (BDI)	1671	8'5"	5.2	LBS, R, LC (0-12)
II (BUT)	1535	8'1"	4.8	LBS, R, LC (0-12)
II (IBT, BMX)	1478	7'11"	4.7	LBS, R, LC (0-12)
II (BTN)	1578	8'2"	4.96	LBS, R, LC (0-12)
II (IBL)	1595	8'3"	5.0	LBS, R, LC (0-12)
II (PRP, PPM)	1279	7'4"	4.2	LBS, R, LC (0-12)
II (PPL)	1326	7'6"	4.3	LBS, R, LC (0-12)



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Mixtures of the Subchapter "D" LFG cargoes Butane (BTN), Isobutane (IBT), Butylene (BUT), Propane (PRP) and Propylene (PPL) are authorized for carriage subject to the loading and stability constraints of the least dense gas cargo in the mixture specified above.

Mixtures of Subchapter "O" and "D" LFG cargoes not specified above must be approved by CG-ENG-5 prior to being authorized for carriage.

Propylene, Propane, MAPP gas mixture (PPM) is the only Subchapter "O" and "D" LFG mixture authorized.

No other cargoes may be carried when PPM is carried unless the PPM piping system is separated from the other cargo piping system.

**\*Special Seasonal Loading Constraints\***

Vessel authorized special seasonal loading constraints for the carriage of PPL not to exceed 98% of cargo tank capacity and in accordance with operating procedures approved by MSO New Orleans letter serial #16711 dated 02MAY96.

**\*Stability and Trim\***

Per 46 CFR 151.10-15(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 ---**

**\*Cargo Tanks\***

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1&2 (BDI)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (BUT)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (BTN)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (IBL)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (PRP, PPM)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (PPL)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (IBT, BMX)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026

**Hydro Test**

Tank Id	Safety Valves	Previous	Last	Next
1&2 (BDI)	13Jan2022	-	-	-
1&2 (BUT)	13Jan2022	-	-	-
1&2 (BTN)	13Jan2022	-	-	-
1&2 (IBL)	13Jan2022	-	-	-
1&2 (PRP, PPM)	13Jan2022	-	-	-
1&2 (PPL)	13Jan2022	-	-	-
1&2 (IBT, BMX)	13Jan2022	-	-	-

**---Conditional Portable Fire Extinguisher Requirements---**

Required Only During Transfer of Cargo or Operation of Barge Machinery

**--- Fire Fighting Equipment ---**



# *Certificate of Inspection*

Vessel Name: KIRBY 16804

**\*Fire Extinguishers - Hand portable and semi-portable\***

Quantity	Class Type
1	40-B

\*\*\*END\*\*\*



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 16804

Shipyard: CARUTHERSVI

Official #: D979279

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Hull #: 5492

### 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'l's of Construction
		Group No	Exc				
<b>Authorized Subchapter O Cargoes</b>							
Butadiene	BDI	30	N	LFG	II		.50-70(a), .50-73
Propylene, Propane, MAPP gas mixture (containing 12% orless MAPP gas)	PPM	30	Y	LFG	III		

### 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.
- Compatiblity 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 SubchapterO 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.