



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

Certification Date: 17 Jan 2023  
Expiration Date: 17 Jan 2028

# Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V714, for a SAFE MANNING DOCUMENT

Vessel Name <b>KIRBY 16808</b>	Official Number <b>986598</b>	IMO Number	Call Sign	Service <b>Tank Barge</b>		
Making Port <b>HOUSTON, TX</b>	Hull Material <b>Steel</b>	Horsepower	Propulsion			
Place Built <b>BEAUMONT, TX</b>	Delivery Date <b>12Aug1992</b>	Keel Laid Date	Gross Tons <b>R-1376</b>	Net Tons <b>R-1376</b>	DWT <b>10</b>	Length <b>R-260.0</b>
<b>UNITED STATES</b>						
Owner <b>KIRBY INLAND MARINE LP 55 WAUGH DR STE 1000 HOUSTON, TX 77007 UNITED STATES</b>	Operator <b>KIRBY INLAND MARINE, LP 18350 MARKET ST. CHANNELVIEW, TX 77530 UNITED STATES</b>					

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 OCHI notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eighth 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:  K. A. Hartal, CDR, USCG, By direction
Date	Zone	A/P/R	Signature	
2-6-24	COCPU2405A	A	DAVID E. EDWIN	Officer in Charge, Marine Inspection
				Marine Safety Unit Port Arthur
				Inspection Zone



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(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	30Sep2032	17Jan2023	10Sep2012
Internal Structure	30Jun2027	17Jan2023	21Jun2017

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

Authorization: LIQUEFIED FLAMMABLE GASES 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 # VN92006289, dated 18 Apr 2001, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

**\*Loading Constraints - Stability\***

Hull Type	Max Load (S/T)	Max Draft (ft/in)	Max Density (lbs/gal)	Route
II (BUT)	1535	8'1"	4.8	LBS, R, LC (0-12)
II (IBT)	1478	7'11"	4.7	LBS, R, LC (0-12)
II (BTN)	1587	8'2"	4.96	LBS, R, LC (0-12)
II (IBL)	1595	8'3"	5.0	LBS, R, LC (0-12)
II (BDI)	1671	8'5"	5.2	LBS, R, LC (0-12)
II (PRP)	1279	7'4"	4.2	LBS, R, LC (0-12)
II (PPL)	1326	7'6"	4.3	LBS, R, LC (0-12)

Inspected and approved for the carriage of liquefied flammable gases at a pressure not to exceed 260 psig and at a temperature not less than ambient.

Mixtures of Subchapter "D" LFG cargoes Butane (BUT), Isobutane (IBT), Butylene (BTN), Isobutylene (IBL), Propane (PRP), and Propylene (PPL) are also 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 Commandant (G-MSO) prior to being authorized for carriage.



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

Vessel authorized special seasonal loading constraints for the carriage of Propylene (PPL) not to exceed 98% of cargo tank capacity and in accordance with operating procedures approved by MSO New Orleans letter serial #16711 dated 02 May 1996.

**\*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.

**--- Inspection Status ---**

**\*Cargo Tanks\***

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1&2 (BDI)	10Sep2012	17Jan2023	30Sep2032	07Jun2019	17Jan2023	31Jan2028
1&2 (BUT)	10Sep2012	17Jan2023	30Sep2032	07Jun2019	17Jan2023	31Jan2028
1&2 (BTN)	10Sep2012	17Jan2023	30Sep2032	07Jun2019	17Jan2023	31Jan2028
1&2 (IBL)	10Sep2012	17Jan2023	30Sep2032	07Jun2019	17Jan2023	31Jan2028
1&2 (PRP,PPM)	10Sep2012	17Jan2023	30Sep2032	07Jun2019	17Jan2023	31Jan2028
1&2 (PPL)	10Sep2012	17Jan2023	30Sep2032	07Jun2019	17Jan2023	31Jan2028
1&2 (IBT, BMX)	10Sep2012	17Jan2023	30Sep2032	07Jun2019	17Jan2023	31Jan2028

**Hydro Test**

Tank Id	Safety Valves	Previous	Last	Next
1&2 (BDI)	29Nov2022	-	-	-
1&2 (BUT)	29Nov2022	-	-	-
1&2 (BTN)	29Nov2022	-	-	-
1&2 (IBL)	29Nov2022	-	-	-
1&2 (PRP,PPM)	29Nov2022	-	-	-
1&2 (PPL)	29Nov2022	-	-	-
1&2 (IBT, BMX)	29Nov2022	-	-	-

**---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
1	40-B

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



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: **KIRBY 16808**  
 Official #: **D986598**

Shipyards: **TRINITY MARINE BEA**  
 Hull #: **1305**

### 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				
<b>Authorized Subchapter O (46 CFR 151) and Liquefied Flammable Gases</b>							
Butadiene	BDI	30	N	LFG	II		.50-70(a), .50-73
Butane (iso-, n-)	BMX	31	N	LFG			
Butylene	BTN	30	N	LFG			
Butane	BUT	31	N	LFG			
Isobutylene	IBL	30	N	LFG			
Isobutane	IBT	31	N	LFG			
Propylene	PPL	30	N	LFG			
Propylene, Propane, MAPP gas mixture (containing 12% or less MAPP gas)	PPM	30	Y	LFG	III		.50-79 'c' only

### 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.