



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

Certification Date: 29 Jul 2022
Expiration Date: 29 Jul 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 16809	983128			Tank Barge

Halling Port	Hull Material	Horsepower	Propulsion
WILMINGTON, DE UNITED STATES	Steel		

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN UNITED STATES	08Apr1992	03Feb1992	R-1308	R-1308		R-235.0 10

Owner	Operator
KIRBY INLAND MARINE LP 55 WAUGH DR STE 1000 HOUSTON, TX 77007 UNITED STATES	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:
---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 in accordance with 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 notified in writing as soon as this change in status occurs.

This tank barge is participating in the Eighth and Ninth 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	
8-2-2022	NOWA	A	<i>Murphy</i>	Officer in Charge, Marine Inspection Marine Safety Unit Port Arthur
5-18-24	NOLA	A	<i>DWAYNE ARCEDEGAZ</i>	
				Inspection Zone



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Vessel Name: KIRBY 16809

(TBSIP). Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan. Inspection issues concerning this barge should be directed to OCMI Houston-Galveston.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	30Apr2032	29Jul2022	06Apr2012
Internal Structure	30Apr2027	29Jul2022	25Apr2017

--- 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
8496	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)	874	5.3
1 & 2 (AAD)	1006	6.5
1 & 2 (BMX)	804	4.8
1 & 2 (BTN)	847	5.0
1 & 2 (AMA)	847	5.1
1 & 2 (PPL)	700	4.3
1 & 2 (PRP)	714	4.4
1 & 2 (BUT)	804	4.8
1 & 2 (VCM)	1006	7.5

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	2012	9ft 6in	8.3	
II	2012	9ft 6in	8.3	

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial # VN92002523 dated 12 Jun 2000, may be carried.

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 NO" column listed in the vessel's CAA.

Inspected and approved for the carriage of liquefied flammable gases at a pressure not to exceed 260 psi, and at temperatures no less than ambient.

STABILITY AND TRIM



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Vessel Name: KIRBY 16809

Cargo tanks must be loaded uniformly whenever a 46 CFR Subchapter "O" cargo is carried, for trim purposes, the weight of cargo in each tank may exceed the uniformly loaded tank cargo weight by at most 5 percent.

Loading Constraints - Stability

Hull Type	Max Load (S/T)	Max Draft (ft/in)	Max Density (lbs/gal)	Route
II (BDI)	1748	9'6"	5.3	LBS, R, LC (0-12)
II (AAD)	2012	9'6"	6.5	LBS, R, LC (0-12)
II (BMX)	1608	9'6"	4.8	LBS, R, LC (0-12)
II (BTN)	1608	9'6"	4.8	LBS, R, LC (0-12)
II (AMA)	1694	9'6"	5.1	LBS, R, LC (0-12)
II (PPL)	1400	9'6"	4.3	LBS, R, LC (0-12)
II (PRP)	1428	9'6"	4.4	LBS, R, LC (0-12)
II (BUT)	1608	9'6"	4.8	LBS, R, LC (0-12)
II (VCM)	2012	9'6"	7.5	LBS, R, LC (0-12)

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 & 2 (BDI)	06Apr2012	29Jul2022	30Apr2032	22Apr2020	29Jul2022	31Jul2027
1 & 2 (AAD)	06Apr2012	29Jul2022	30Apr2032	22Apr2020	29Jul2022	31Jul2027
1 & 2 (BMX)	06Apr2012	29Jul2022	30Apr2032	22Apr2020	29Jul2022	31Jul2027
1 & 2 (BTN)	06Apr2012	29Jul2022	30Apr2032	22Apr2020	29Jul2022	31Jul2027
1 & 2 (AMA)	06Apr2012	29Jul2022	30Apr2032	22Apr2020	29Jul2022	31Jul2027
1 & 2 (PPL)	06Apr2012	29Jul2022	30Apr2032	22Apr2020	29Jul2022	31Jul2027
1 & 2 (PRP)	06Apr2012	29Jul2022	30Apr2032	22Apr2020	29Jul2022	31Jul2027
1 & 2 (BUT)	06Apr2012	29Jul2022	30Apr2032	22Apr2020	29Jul2022	31Jul2027
1 & 2 (VCM)	06Apr2012	29Jul2022	30Apr2032	22Apr2020	29Jul2022	31Jul2027

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1 & 2 (BDI)	05Jul2022	-	-	-
1 & 2 (AAD)	05Jul2022	-	-	-
1 & 2 (BMX)	05Jul2022	-	-	-
1 & 2 (BTN)	05Jul2022	-	-	-
1 & 2 (AMA)	05Jul2022	-	-	-
1 & 2 (PPL)	05Jul2022	-	-	-
1 & 2 (PRP)	05Jul2022	-	-	-
1 & 2 (BUT)	05Jul2022	-	-	-
1 & 2 (VCM)	05Jul2022	-	-	-

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

--- Fire Fighting Equipment ---



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Vessel Name: KIRBY 16809

Fire Extinguishers - Hand portable and semi-portable

Quantity	Class Type
2	40-B

END



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Cargo Authority Attachment

Vessel Name: KIRBY 16809

Official #: D983128

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Shipyard: JEFFBOAT

Hull #: 91-2492

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's of Construction
		Group No	Exc				
Authorized Subchapter O (46 CFR Part 151) and D Liquefied Flammable Gases							
Acetaldehyde	AAD	19	N	A	II		.55-1(h)
Ammonia, anhydrous	AMA	6	N	LCG	II		.50-30, .50-32
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			
Propylene	PPL	30	N	LFG			
Propane	PRP	31	N	LFG			
Vinyl chloride	VCM	35	N	LFG	II		.50-30, .50-34

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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