



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

Certification Date: 14 Jan 2021
Expiration Date: 14 Jan 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	Official Number	IMO Number	Call Sign	Service
USL-147	592542			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
DECATUR, ALABAMA	12Apr1978		R-1640	R-1640		R-192.3
			1-	1-		10

Owner	Operator
KIRBY INLAND MARINE, LP 55 Waugh Drive Suite 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---


This tank barge is participating in the Eighth and 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 Sector Houston-Galveston OCMI.

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.

*****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>J. Andrew</i> CDR J.J. ANDREW, CDR, USCG, By direction Officer in Charge, Marine Inspection Marine Safety Unit Port Arthur Inspection Zone
Date	Zone	A/P/R	Signature	
11-1-21	HOUSTON	A	SAKE FRANCIS	
1-13-23	Port Arthur TX	P	Dillon Berry	
12-29-23	Houston TX	A	Danny Murray	
1/16/25	Baton Rouge	A	Stephan Collins	

DEPARTMENT OF HOMELAND SECURITY U. S. COAST GUARD CG-858 (Rev. 1-07)	CERTIFICATE OF INSPECTION AMENDMENT	
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NAME OF VESSEL USL-147	OFFICIAL NUMBER 7617420
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CLASS TANK BARGE	GROSS TONS 1640 GT	HOME PORT HOUSTON, TX
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WHEN AND WHERE BUILT 1978, DECATUR, ALABAMA
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DATE CURRENT CERTIFICATE EXPIRES 17JAN2026	DATE AND PLACE CURRENT CERTIFICATE OF INSPECTION ISSUED 13JAN2023 PORT ARTHUR, TEXAS
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The Certificate of Inspection issued to the vessel described above is amended as follows:

Relief valves tested. All tested satisfactory.

Exam Type	Next exam	Last exam	Prior Exam
Relief Valve	01/13/2025	01/13/2023	01/07/2021

THIS/THESE AMENDMENT(S) SHALL AUTOMATICALLY APPEAR ON THE NEXT COI THAT IS ISSUED FOR THIS VESSEL. PLEASE ATTACH THIS FORM TO THE CURRENT COI FOR REFERENCE BY ANY CONCERNED PARTIES.

DATE OF ISSUE 13JAN2023	INSPECTION ZONE MSU PORT ARTHUR	OFFICER IN CHARGE, MARINE INSPECTION  K. A. Hantal, CDR, by direction
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- INSTRUCTIONS**
1. This amendment shall be issued to authorize changes to the conditions or particulars entered on a current valid Certificate of Inspection (Form CG-841 or CG-3753) or to the conditions or particulars entered on a current valid amendment to such a Certificate of Inspection. When issued it shall become part of the Certificate of Inspection which it amends.
 2. The original of this amendment shall be delivered to the master or owner of the vessel named herein and must be framed under glass with or near the vessel's Certificate of Inspection. If the Certificate of Inspection is not required to be posted, this amendment must be kept on board with the Certificate of Inspection and shown on demand.
 3. One copy of this amendment shall be filed in the office of the issuing Officer in Charge, Marine Inspection. In addition one copy shall be distributed to each of the following:
 - a. The Officer in Charge, Marine Inspection who issued the current Certificate of Inspection.
 - b. The Commandant (G-MPS)
 - c. The owner or agent of the vessel named herein.



Certificate of Inspection

Vessel Name: USL-147

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Jan2031	14Jan2021	01Aug2011
Internal Structure	31Jan2026	14Jan2021	31Aug2016

--- 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
14286	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 P/S (BDI, BBM)	735	5.2
1 P/S (CBM)	697	4.9
1 P/S (BUT)	675	4.8
1 P/S (IBT, BMX)	650	4.7
1 P/S (BTN)	697	4.9
1 P/S (IBL)	701	5.0
1 P/S (POX)	870	7.2

Conditions Of Carriage

Loading Constraints - Stability

Hull Type	Max Load (S/T)	Max Draft (ft/in)	Max Density (lbs/gal)	Route
II (BDI, BBM)	1470	7'8"	5.2	LBS, R, LC (0-12)
II (CBM)	1394	7'5"	4.9	LBS, R, LC (0-12)
II (BUT)	1349	7'2 3/4"	4.8	LBS, R, LC (0-12)
II (IBT, BMX)	1299	7'0 5/16"	4.7	LBS, R, LC (0-12)
II (BTN)	1394	7'5"	4.9	LBS, R, LC (0-12)
II (IBL)	1402	7'5"	5.0	LBS, R, LC (0-12)
II (POX)	1740	8'6"	7.2	LBS, R, LC (0-12)

Only those cargoes named in the vessel's Cargo Authority Attachment, serial #VN80013510, dated 11Apr00, may be carried.

Inspected and approved for the carriage of liquefied flammable gases at a pressure not to exceed 90 psig and at a temperature not less than zero degrees fahrenheit.

No other cargo may be carried in a tank certified for the carriage of an alkylene oxide (POX) until certain requirements are met. See 46 CFR 151.50-10(c)(1).

Stability and Trim

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.



Certificate of Inspection

Vessel Name: USL-147

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 P/S (BDI, BBM)	01Aug2011	14Jan2021	31Jan2031	20Aug2018	14Jan2021	31Jan2026
1 P/S (CBM)	01Aug2011	14Jan2021	31Jan2031	20Aug2018	14Jan2021	31Jan2026
1 P/S (BUT)	01Aug2011	14Jan2021	31Jan2031	20Aug2018	14Jan2021	31Jan2026
1 P/S (IBT, BMX)	01Aug2011	14Jan2021	31Jan2031	20Aug2018	14Jan2021	31Jan2026
1 P/S (BTN)	01Aug2011	14Jan2021	31Jan2031	20Aug2018	14Jan2021	31Jan2026
1 P/S (IBL)	01Aug2011	14Jan2021	31Jan2031	20Aug2018	14Jan2021	31Jan2026
1 P/S (POX)	01Aug2011	14Jan2021	31Jan2031	20Aug2018	14Jan2021	31Jan2026

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1 P/S (BDI, BBM)	07Jan2021	-	-	-
1 P/S (CBM)	07Jan2021	-	-	-
1 P/S (BUT)	07Jan2021	-	-	-
1 P/S (IBT, BMX)	07Jan2021	-	-	-
1 P/S (BTN)	07Jan2021	-	-	-
1 P/S (IBL)	07Jan2021	-	-	-
1 P/S (POX)	07Jan2021	-	-	-

---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	B-II

END



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: USL-147
Official #: D592542

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Shipyard: Ingall Iron Works
Hull #: 1899

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 O (46 CFR Part 151) and D Liquefied Flammable Gases							
Butadiene, Butylene mixtures (containing Acetylenes)	BBM	30	N		II		.50-30, .50-70(a), .50-73, .56-1(b), (d), (f), (g)
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			
C-4 mixtures	CBM						
Isobutylene	IBL	30	N	LFG			
Isobutane	IBT	31	N	LFG			
Propylene oxide	POX	16	N	A	II		.50-10, .50-13

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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