



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

Certification Date: 30 Mar 2021

Expiration Date: 30 Mar 2026

Certificate of Inspection

For ships on international voyage, this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

| Vessel Name | Official Number | BMO Number | Call Sign | Service |
|-------------|-----------------|------------|-----------|------------|
| KIRBY 23850 | 510425 | | | Tank Barge |

| Hailing Port | Hull Material | Horsepower | Propulsion |
|----------------|---------------|------------|------------|
| WILMINGTON, DE | Steel | | Unknown |
| UNITED STATES | | | |

| Place Built | Delivery Date | Keel Laid Date | Gross Tons | Net Tons | DWT | Length |
|---------------|---------------|----------------|------------|----------|-----|---------|
| HOUSTON TX | 15Dec1967 | | R-2502 | R-2502 | | R-295.0 |
| UNITED STATES | | | | | | |

| 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 Others |
| 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 vessel has been granted a fresh water service examination interval in accordance with 46 CFR 91.40-3(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 as per 46 CFR 91.40-3(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 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.

*****SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION*****

With this Inspection for Certification having been completed at Greenville, MS, UNITED STATES, the Officer in Charge, Marine Inspection, Sector Lower Mississippi River certified the vessel, in all respects, as in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

| Date | Zone | AP/IR | Signature | This certificate issued by <i>W. S. Wallen</i> , CDR, USCG By direction Officer in Charge, Marine Inspection Sector Lower Mississippi River Inspection Zone |
|---------|----------------|-------|-------------------|---|
| 5/31/22 | Greenville, MS | A | TERRY MICHELL | |
| 1/24/23 | Greenville, MS | P | TERRY MICHELL | |
| 2/28/24 | Greenville, MS | A | James T Zimmerman | |



Certificate of Inspection

Vessel Name: KIRBY 23850

---Hull Exams---

| Exam Type | Next Exam | Last Exam | Prior Exam |
|--------------------|-----------|-----------|------------|
| DryDock | 31Mar2031 | 30Mar2021 | 15Jun2015 |
| Internal Structure | 31Mar2026 | 30Mar2021 | 15Jun2015 |

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

Authorization: SPECIFIED HAZARDOUS CARGO

| Total Capacity | Units | Highest Grade Type | Part151 Regulated | Part153 Regulated | Part154 Regulated |
|----------------|-------|--------------------|-------------------|-------------------|-------------------|
| | | | Yes | No | No |
| | | | | | |

Hazardous Bulk Solids Authority

Loading Constraints - Structural

| Tank Location Description | Max Cargo Weight per Tank (short tons) | Maximum Density (lbs/gal) |
|---------------------------|--|---------------------------|
| 1 P/S CYLINDRICAL TANKS | 1354 | 5.800 |

Loading Constraints - Stability

| Hull Type | Maximum Load (short tons) | Maximum Draft (ft/in) | Max Density (lbs/gal) | Route Description |
|-----------|---------------------------|-----------------------|-----------------------|------------------------|
| II | 2756 | 9ft 6in | 5.8 | LAKES, BAYS AND SOUNDS |

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN80008817, dated 24MAR01, may be carried and only in the tanks indicated.

Inspected and approved for the carriage of refrigerated Anhydrous Ammonia at a pressure not to exceed 25 PSI and at a temperature not less than -28 degrees fahrenheit.

--- Inspection Status ---

Fuel Tanks

| Tank ID | Internal Examinations | | |
|---------|-----------------------|-----------|------|
| | Previous | Last | Next |
| Port | - | 04Mar2021 | - |
| Stbd | - | 04Mar2021 | - |

Cargo Tanks

| Tank Id | Internal Exam | | | External Exam | | |
|-------------------------|---------------|-----------|-----------|---------------|-----------|-----------|
| | Previous | Last | Next | Previous | Last | Next |
| 1 P/S CYLINDRICAL TANKS | 15Jun2015 | 30Mar2021 | 31Mar2031 | 15Jun2015 | 30Mar2021 | 31Mar2026 |

| Tank Id | Safety Valves | Hydro Test | | |
|-------------------------|---------------|------------|------|------|
| | | Previous | Last | Next |
| 1 P/S CYLINDRICAL TANKS | 30Mar2021 | - | - | - |



Certificate of Inspection

Vessel Name: KIRBY 23850

Pressure Vessels

| Type | Location | Previous | Last | Next |
|--------------|-----------------------|-----------|-----------|-----------|
| Air Receiver | Manufacturer: WESTERN | 15Jun2015 | 30Mar2021 | 30Mar2026 |

---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 23850

Shipyard: TODD SHIPYA

Official #: D510425

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Hull #: UNKNOWN

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 Cargoes

| | | | | | | | |
|--------------------|-----|---|---|-----|----|--|--------------------------|
| Ammonia, anhydrous | AMA | 6 | N | LCG | II | | 50-30, 50-32 |
| Ammonia, anhydrous | AMA | 6 | N | LCG | II | | 40-1(b)(1), 50-30, 50-32 |

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. |
|------|---|