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

Certification Date:	13 Jul 2023
Expiration Date:	13 Jul 2024

Temporary 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.

This Temporary Certificate of Inspection is issued under the provision of Title 46 United States Code, Section 399, in lieu of the regular certificate of inspection, and shall be in force only until the receipt on board said vessel of the original certificate of inspection, this certificate in no case to be valid after one year from the date of inspection.

Vessel Name	Official Number	IMO Number	Call Sign	Service
KIRBY 27753	1208453			Tank Barge

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

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
ASHLAND CITY, TN UNITED STATES	22Apr2008	25Mar2008	R-1632 I-	R-1632 I-		R-300.0 I-0

Owner
KIRBY INLAND MARINE LP
55 WAUGH DRIVE SUITE 1000
HOUSTON, TX 77007
UNITED STATES

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

This tank barge is participating in the Eighth & Ninth Coast Guard District's Tank Barge Streamlined Inspection

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

Date	Zone	A/P/R	Signature

This certificate issued by:
B. T. INAGAKI, GS-13, USCG, By direction
Officer in Charge, Marine Inspection
Marine Safety Unit Port Arthur
Inspection Zone

United States of America
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Vessel Name: KIRBY 27753

Program (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	30Apr2028	11Jul2018	22Apr2008
Internal Structure	31Jul2028	13Jul2023	11Jul2018

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

Authorization: Flammable/Combustible Liquids and Specified Hazardous Cargoes

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
27800	Barrel	A	Yes	No	No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1 P/S	855	8.74
2 P/S	860	8.74
3 P/S	732	8.74

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3784	10ft 0in	13.6	R
II	3784	10ft 0in	13.6	LBS
III	4662	11ft 9in	13.6	R
III	4662	11ft 9in	13.6	LBS

Conditions Of Carriage

Only those cargoes named in the vessel's cargo authority attachment (CAA), serial #C1-1000812 dated March 25, 2010, may be carried and then only in the tanks indicated.

Per 46 CFR 150.130, the person in charge of the vessel is responsible for ensuring 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 reactive group numbers from the "Compatibility Group No" column listed in the vessel's CAA.

Vessels is not covered by a benzene monitoring program IAW 46 CFR 197, Subpart C. Vessel is not authorized to carry Benzene or Benzene containing cargoes with a Benzene concentration of 0.5% or more.

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.

The maximum design density of cargo which may be filled to the tank top is 8.74 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

Thermal fluid heater may only be operated when carrying Grade “E” cargoes.

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Vessel Name: KIRBY 27753

--- Inspection Status ---

Fuel Tanks

	Internal Examinations		
Tank ID	Previous	Last	Next
aft main deck	-	22Apr2008	-

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1 P/S	22Apr2008	11Jul2018	30Apr2028	-	-	-
2 P/S	22Apr2008	11Jul2018	30Apr2028	-	-	-
3 P/S	22Apr2008	11Jul2018	30Apr2028	-	-	-

		Hydro Test		
Tank Id	Safety Valves	Previous	Last	Next
1 P/S	-	-	22Apr2008	-
2 P/S	-	-	22Apr2008	-
3 P/S	-	-	22Apr2008	-

Boilers/Steam Piping

Maximum Steam Pressure Allowed: 150

	Hydro Inspection			Mountings Inspection	
Boiler/Piping ID	Previous	Last	Next	Opened	Removed
800SB-0803-1385	-	22Apr2008	-	-	-

	Fireside Inspection			Waterside Inspection		
Boiler/Piping ID	Previous	Last	Next	Previous	Last	Next
800SB-0803-1385	-	-	-	-	-	-

---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
3	40-B

END

Department of Homeland Security
United States Coast Guard

Serial # C1-1000812
Dated 25-Mar-10

Certificate of Inspection

Cargo Authority Attachment

Vessel Name KIRBY 27753
Official #: 1208453

Shipyard Trinity Marine Ashland City
Hull #: 4576

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification					Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements			
Tnk Grp	Tanks in Group	Density	Press	Temp	Hull Typ	Cargo Seg Tank	Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction	Elec Haz	Temp Cont
A	#1P/S, #2P/S, #3P/S	13.6	Atmos	Elev	II	1ii 2ii	Integral Gravity	PV	Open	II	G-1	NR	NA	Portable	40-1(f)(1), 50-60, 50-70(a), 50-70(b), 50-73, 50-81(b)	55-1(h), (j), 56-1(a), (c), (d), (e), (f), (g)	NR	Yes

Notes 1 Under Environmental Control, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks.

2 Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo handling space. NA means that the vessel does not have a cargo control space, and this requirement is not applied.

3 Under Electrical Hazard Class, NA means that the tank group is suitable only for those cargoes which have no electrical hazard class requirement. NR means that the vessel has no electrical equipment located in a hazardous location.

List of Authorized Cargoes

Cargo Identification							Conditions of Carriage			
							Vapor Recovery			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Matls of	Insp Period
Authorized Subchapter O Cargoes										
Adiponitrile	ADN	37	O	E	II	A	No	N/A	No	G
Alkyl(C7-C9) nitrates	AKN	34[2]	O	NA	III	A	No	N/A	50-81, 50-86	G
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No	G
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	No	N/A	55-1(h)	G
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No	G
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No	G
Caustic potash solution	CPS	5[2]	O	NA	III	A	No	N/A	50-73, 55-1(j)	G
Caustic soda solution	CSS	5[2]	O	NA	III	A	No	N/A	50-73, 55-1(j)	G
Chlorobenzene	CRB	36	O	D	III	A	No	N/A	No	G
Chloroform	CRF	36	O	NA	III	A	No	N/A	No	G
Creosote	CCW	21[2]	O	E	III	A	No	N/A	No	G
Cresols (all isomers)	CRS	21	O	E	III	A	No	N/A	No	G
Dodecyl diphenyl ether disulfonate solution	DOS	43	O	#	II	A	No	N/A	No	G
Ethylene cyanohydrin	ETC	20	O	E	III	A	No	N/A	No	G
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No	G
Ethylene glycol propyl ether	EGP	40	O	E	III	A	No	N/A	No	G
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No	G
Isoprene	IPR	30	O	A	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Kraft pulping liquors (free alkali content 3% or more)(including Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c), (g)	G
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		O		III	A	No	N/A	50-73, 55-1(j)	G
Sodium chlorate solution (50% or less)	SDD	0[1,2]	O	NA	III	A	No	N/A	50-73	G
Styrene monomer	STY	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c)	G
Vanillin black liquor (free alkali content, 3% or more)	VBL	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c), (g)	G
Vinyl acetate	VAM	13	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Vinyl neodecanate	VND	13	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)	G

*** *This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection.* ***

Department of Homeland Security
United States Coast Guard

Serial #: C1-1000812
Dated: 25-Mar-10

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 27753
Official #: 1208453

Shipyard: Trinity Marine A
Hull #: 4576

Explanation of terms & symbols used in the Table:

Cargo Identification

Name — The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05 and 46 CFR Part 153 Table 2

Chem Code — The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual
- **none** — Certain mixtures of cargoes may not have a CHRIS Code assigned

Compatability 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
- **Note 1** — Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 372-1425
- **Note 2** — See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.

Subchapter — The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified
- **Subchapter D** — Those flammable and combustible liquids listed in 46 CFR Table 30.25-1
- **Subchapter O** — Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2
- **Note 3** — Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges

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, D, E** — Flammable liquid cargoes, as defined in 46 CFR 30-10.22
- **Note 4** — Combustible liquid cargoes, as defined in 46 CFR 30-10.15. The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. 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
- **NA** — 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 sufficeint hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4)
- **NA** — Not applicable to barges certificated under Subchapter D

Conditions of Carriage

Tank Group — The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo

Vapor Recovery Approved (Y or N)
- Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo
- No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo

Conditions of Carriage

Tank Group — The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo

Vapor Recovery Approved (Y or N)
- Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo
- No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo

VCS Category — The specified cargo's provisional classification for vapor control systems
- **Category 1** — (No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates
- **Category 2** — (Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety componenets and restricting vapor flow which could lead to cargo tank overpressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a material not normally considered a monomer can be a problem in detonation arrester
- **Category 3** — (Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1
- **Category 4** — (Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3
- **Category 5** — (High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1
- **Category 6** — (High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5
- **Category 7** — (High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5
- **none** — The cargo has not been evaluated/classified for use in vapor control systems