



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

Certification Date: 03 May 2019
Expiration Date: 03 May 2024

Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation VI/4, for a SAFE MAINTENANCE DOCUMENT

Vessel Name: KIRBY 30717B
Official Number: 1148569
IMO Number: [Blank]
Call Sign: [Blank]
Service: Tank Barge

Mailing Port: WILMINGTON, DE
Hull Material: Steel
Horsepower: [Blank]
Propulsion: [Blank]
UNITED STATES

Place Built: ASHLAND CITY, TN
Delivery Date: 22Mar2004
Keel Laid Date: 02Dec2003
Gross Tons: R-1632
Net Tons: R-1632
DWT: [Blank]
Length: R-300.0
UNITED STATES

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 Chief Mates
- 0 Second Mates
- 0 Third Mates
- 0 Master First Class Pilot
- 0 Mate First Class Pilots
- 0 Licensed Mates
- 0 First Class Pilots
- 0 Radio Officers
- 0 Able Seamen
- 0 Ordinary Seamen
- 0 Deckhands
- 0 Chief Engineers
- 0 First Assistant Engineers
- 0 Second Assistant Engineers
- 0 Third Assistant Engineers
- 0 Licensed Engineers
- 0 Qualified Member Engineer
- 0 Oilers

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 11.10-21(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 11.10-21(a)(1) and the cognizant OCMI must be notified in writing as soon as this change in status occurs.

Thermal fluid heater may only be operated when carrying grade "E" cargoes.

This tank barge is participating in the Eighth & 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

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 proscribed thereunder.

Annual/Periodic/Re-Inspection				Signature	This certificate issued by: J.J. ANDREW, CDR, USCG, By direction
Date	Zone	A/P/R			
7-25-2020	Corpus Christi, TX	K		Michael D. Johnson	Officer in Charge Marine Inspection Marine Safety Unit Port Arthur
3-17-2021	Hou TBSIP	F		Michael Johnson	
4-18-2022	NIJA TBSIP	A		Michael Johnson	
2-14-23	HOU	A		BEN WILCOX	Inspection Zone



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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	03Mar2024	03Mar2014	22Mar2004
Internal Structure	31Mar2024	03May2019	03Mar2014

--- 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
30580	Barrels	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)
1S	817	8.9
1P	817	8.9
2S	817	8.9
2P	817	8.9
3S	817	8.9
3P	817	8.9

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3828	9ft 6in	8.9	
III	4837	11ft 6in	8.9	
II	3828	9ft 6in	8.9	
III	4837	11ft 6in	8.9	

Conditions Of Carriage

Only Grade "A" and lower cargoes and specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #C1-0306936, dated 21 Nov 03, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

Benzene Prohibition

Vessel not authorized to carry benzene or benzene containing cargoes with a benzene concentration of 0.5% or more.

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.

The maximum design density of cargo which may be filled to the tank top is 8.7 lbs/gal. Cargoes with higher densities, up to



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8.91 lbs/gal., may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

--- Inspection Status ---

Fuel Tanks

Internal Examinations

Tank ID	Previous	Last	Next
Machinery deck	-	19Feb2004	-

Cargo Tanks

Internal Exam

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1S	22Mar2004	03Mar2014	03Mar2024	-	-	-
1P	22Mar2004	03Mar2014	03Mar2024	-	-	-
2S	22Mar2004	03Mar2014	03Mar2024	-	-	-
2P	22Mar2004	03Mar2014	03Mar2024	-	-	-
3S	22Mar2004	03Mar2014	03Mar2024	-	-	-
3P	22Mar2004	03Mar2014	03Mar2024	-	-	-

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1S	-	-	18Feb2004	-
1P	-	-	18Feb2004	-
2S	-	-	18Feb2004	-
2P	-	-	18Feb2004	-
3S	-	-	18Feb2004	-
3P	-	-	18Feb2004	-

---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	B-II

END



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Cargo Authority Attachment

Vessel Name: **KIRBY 30717B**
Official #: 1148569

Shipyard: Trinity Ashland City
Hull #: 4458

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Type	Cargo Seg Tank	Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements		Elec Haz	Temp Cont
Tnk Grp	Tanks in Group	Density	Press.	Temp.			Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction		
A	1-3P/S	8.91	Atmos.	Amb.	II	1ii 2ii	Integral Gravity	PV	Restr.	II	G-1	NR	NA	Portable	50-81(a), 50-81(b), 50-86	55-1(h), 56-1(a), (c), (d), (e), (f), (g).	NR	No

- 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			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat'l's of Construction	
							App'd (Y or N)	VCS Category		

Authorized Subchapter O Cargoes

Acetonitrile	ATN	37	O	C	III	A	No	N/A	No
Adiponitrile	ADN	37	O	E	II	A	No	N/A	No
Alkyl(C7-C9) nitrates	AKN	34 ²	O	NA	III	A	No	N/A	50-81, 50-86
Butyl acrylate (all isomers)	BAR	14	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)
Butyl methacrylate	BMH	14	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	No	N/A	55-1(h)
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No
Chemical Oil (refined, containing phenolics)	COD	21	O	E	II	A	No	N/A	50-73
Coal tar naphtha solvent	NCT	33	O	D	III	A	No	N/A	50-73
Creosote	CCW	21 ²	O	E	III	A	No	N/A	No
Cresols (all isomers)	CRS	21	O	E	III	A	No	N/A	No
Crotonaldehyde	CTA	19 ²	O	C	II	A	No	N/A	55-1(h)
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG		O		III	A	No	N/A	No
Ethyl acrylate	EAC	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)
Ethylene cyanohydrin	ETC	20	O	E	III	A	No	N/A	No
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No
Ethylene glycol monoalkyl ethers	EGC	40	O	D/E	III	A	No	N/A	No
Ethylene glycol propyl ether	EGP	40	O	E	III	A	No	N/A	No
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)
Ethyl methacrylate	ETM	14	O	D/E	III	A	No	N/A	50-70(a)
2-Ethyl-3-propylacrolein	EPA	19 ²	O	E	III	A	No	N/A	No
Hydrocarbon 5-9	HFN		O		III	A	No	N/A	50-70(a), 50-81(a), (b)
Isoprene	IPR	30	O	A	III	A	No	N/A	50-70(a), 50-81(a), (b)
Mesityl oxide	MSO	18 ²	O	D	III	A	No	N/A	No
Methyl acrylate	MAM	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)
Methylcyclopentadiene dimer	MCK	30	O	C	III	A	No	N/A	No
Methyl methacrylate	MMM	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)
alpha-Methylstyrene	MSR	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)
1- or 2-Nitropropane	NPM	42	O	D	III	A	No	N/A	50-81
1,3-Pentadiene	PDE	30	O	A	III	A	No	N/A	50-70(a), 50-81
Styrene (crude)	STX		O	D	III	A	No	N/A	No
Styrene monomer	STY	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)
Tetrahydrofuran	THF	41	O	C	III	A	No	N/A	50-70(b)
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c)

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Cargo Authority Attachment

Vessel Name: **KIRBY 30717B**
Official #: 1148569

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Shipyard: Trinity Ashland City
Hull #: 4458

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat's of Construction
							App'd (Y or N)	VCS Category	
Vinyl acetate	VAM	13	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)
Vinyl neodecanate	VND	13	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)



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Cargo Authority Attachment

Vessel Name: **KIRBY 30717B**
Official #: 1148569

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Shipyard: Trinity Ashland
Hull #: 4458

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 none	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual. Certain mixtures of cargoes may not have a CHRIS Code assigned.
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.
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 (G-MSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 267-1217.
Note 2	See Appendix I to 46 CFR Part 150 - exceptions to the compatibility chart.
Subchapter Subchapter D Subchapter O Note 3	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified. Those flammable and combustible liquids listed in 46 CFR Table 30.25-1. Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2. 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	Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
D, E	Combustible liquid cargoes, as defined in 46 CFR 30-10.15.
Note 4	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 I II III NA	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1. 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). Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3). Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4). 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 components 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 1 cargoes. 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.

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