



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

Certification Date: 17 Jan 2020  
Expiration Date: 17 Jan 2021

# 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 30414	999815			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
HOUSTON, TX	15Apr1994		R-1619	R-1619		R-297.5
UNITED STATES			I-	I-		I-0

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, coastwise, 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 & 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 Houston, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Sector Houston-Galveston 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: Nicole D. Rodriguez CDR, USCG, By Direction
Date	Zone	A/P/R	Signature	
				Officer in Charge, Marine Inspection
				Sector Houston-Galveston
				Inspection Zone



# Temporary Certificate of Inspection

Vessel Name: KIRBY 30414

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 OCMI Houston-Galveston.

### ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	26Nov2024	26Nov2014	07May2004
Internal Structure	31Jan2025	17Jan2020	26Nov2014

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

Authorization: GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES.

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
30400		A	Yes	No	No

#### \*Hazardous Bulk Solids Authority\*

#### \*Loading Constraints - Structural\*

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
2 (P/S)	782	13.600
3 (P/S)	719	13.600
1 (P/S)	782	13.600

#### \*Loading Constraints - Stability\*

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	4352	11ft 0in	13.6	RIVERS; LAKES, BAYS AND SOUNDS
II	3856	10ft 0in	13.6	RIVERS; LAKES, BAYS AND SOUNDS
II	3856	10ft 0in	13.6	
III	4352	11ft 0in	13.6	

#### \*Conditions Of Carriage\*

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial # VN94000778, dated June 7, 2001, and Grade "A" and lower cargoes may be carried.

#### \*Vapor Control Authority\*

This vessel's Vapor Collection System has been inspected to the plans approved by the Marine Safety Center letter serial #C-30495 dated September 22, 1993, and found acceptable for the collection of cargo vapors from Subchapter "D" cargoes listed in that letter and those Specific Hazardous Cargoes annotated with either a "V" or "T" in the CAA.

The letter "V" in the note column of the CAA signifies approval for vapor control without any additional requirements.

The letter "T" in the note column of the CAA signifies that the cargo is highly toxic and that spill valves or rupture disks are not authorized as the primary means of overfill protection required by 46 CFR 39.20-9. A high level and overfill alarm is required by 46 CFR 39.20-7

#### \*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.



# Temporary Certificate of Inspection

Vessel Name: KIRBY 30414

### --- Inspection Status ---

#### \*Cargo Tanks\*

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
2 (P/S)	07May2004	26Nov2014	26Nov2024	-	-	-
3 (P/S)	07May2004	26Nov2014	26Nov2024	-	-	-
1 (P/S)	07May2004	26Nov2014	26Nov2024	-	-	-

#### Hydro Test

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

### ---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	B-II

\*\*\*END\*\*\*



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 30414  
Official #: D999815

Page 1 of 2

Shipyard: PLATZER SHIPYARD  
Hull #:

### List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat's of Construction
		Group No	Exc				
<b>Authorized Subchapter O Cargoes</b>							
Acrylonitrile	ACN	15	Y	C	II	T	.50-70(a), .55-1(e)
Adiponitrile	ADN	37		E	II	V	No
Anthracene oil (Coal tar fraction)	AHO	33			II		No
Alkyl(C7-C9) nitrates	AKN	34	Y		III		.50-81, .50-86
Acetonitrile	ATN	37		C	III	T	No
Butyraldehyde (all isomers)	BAE	19		C	III	V	.55-1(h)
Butyl acrylate (all isomers)	BAR	14		D	III	V	.50-70(a), .50-81(a), (b)
Benzene hydrocarbon mixtures (having 10% Benzene or more)	BHB	32			III	V	.50-60
Butyl methacrylate	BMH	14		D	III	V	.50-70(a), .50-81(a), (b)
Benzene	BNZ	32		C	III	V	.50-60
Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	BTX	32		B/C	III	V	.50-60
Carbon tetrachloride	CBT	36			III		No
Cyclohexanone	CCH	18		D	III		.56-1(a), (b)
Creosote (all isomers)	CC	21	Y	E	III		No
Camphor oil (light)	CPO	18		D	II		No
Chlorobenzene	CRB	36		D	III	V	No
Chloroform	CRF	36		E	III		No
Cresols (all isomers)	CRS	21		E	III	V	No
Cresylic acid tar	CRX	21			III		.55-1(f)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30		D	III		.50-60, .56-1(b)
Crotonaldehyde	CTA	19	Y	C	II	T	.55-1(h)
N,N-Dimethylacetamide	DAC	10		E	III		.56-1(b)
Dichlorobenzenes (all isomers)	DBX	36		E	III	T	.56-1(a), (b)
1,1-Dichloroethane	DCH	36		C	III	V	No
Dichloromethane	DCM	36		NF	III		No
2,2'-Dichloroethyl ether	DEE	41		D	II	V	.55-1(f)
Dimethylformamide	DMF	10		D	III		.55-1(e)
Dichloropropene, Dichloropropane mixtures	DMX	15			II		No
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7		E	III		.56-1(b)
Ethyl acrylate	EAC	14		C	III	V	.50-70(a), .50-81(a), (b)
2-Ethylhexyl acrylate	EAI	14		E	III	V	.50-70(a), .50-81(a), (b)
Ethylene dichloride	EDC	36	Y	C	III	V	No
Ethylene glycol propyl ether	EGP	40		E	III		No
Ethylidene norbornene	ENB	30	Y	D	II		.50-5, .50-74
2-Ethyl-3-propylacrolein	EPA	19	Y	E	III	V	No
Ethylene cyanohydrin	ETC	20		E	III	V	No
Ethyl methacrylate	ETM	14		C	III	V	.50-70(a)
Furfural	FFA	19		E	III	V	.55-1(h)
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	III	V	.55-1(h)
Glutaraldehyde solution (50% or less)	GTA	19		NF	III		No
Hydrocarbon 5-9	HFN	30		A	III	V	.50-70(a), .50-81(a), (b)
Isoprene	IPR	30		A	III		.50-70(a), .50-81(a), (b)
Methyl acrylate	MAM	14		C	III	V	.50-70(a), .50-81(a), (b)
Methylcyclopentadiene dimer	MCK	30		C	III		No
2-Methyl-5-ethylpyridine	MEP	9		E	III	V	.55-1(e)
Methyl methacrylate	MM	14		C	III	V	.50-70(a), .50-81(a), (b)
Mesityl oxide	MSO	18	Y	D	III	V	No
alpha-Methylstyrene	MSR	30		D	III	V	.50-70(a), .50-81(a), (b)

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



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: **KIRBY 30414**  
Official #: **D999815**

Shipyard: **PLATZER SHI**  
Hull #:

Cargo Identification						Conditions of Carriage	
Name	Chem	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'l's of Construction
		Group No	Exc				
Coal tar naphtha solvent	NCT	33		D	III		.50-73
1- or 2-Nitropropane	NPM	42		D	III		.50-81
1,3-Pentadiene	PDE	30		A	III		.50-70(e), .50-81
Polyethylene polyamines	PEB	7	Y	E	III		.55-1(e)
Perchloroethylene	PER	36		NF	III		No
Pyridine	PRD	9		C	III	V	.55-1(e)
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	III		.50-73
Sodium hypochlorite solution (20% or less)	SHQ	5		NF	III		.50-73, .56-1(a), (b)
Styrene (crude)	STX	30		C	III		No
Styrene monomer	STY	30		D	III	V	.50-70(e), .50-81(e), (b)
Trichloroethylene	TCL	36	Y		III		No
1,1,2-Trichloroethane	TCM	36			III		.50-73, .56-1(a)
1,2,3-Trichloropropane	TCN	36		E	II	T	.50-73, .56-1(a)
1,1,2,2-Tetrachloroethane	TEC	36		NF	III		No
Triethylamine	TEN	7		C	II		.55-1(e)
Tetrahydrofuran	THF	41		C	III	V	.50-70(b)
Urea, Ammonium nitrate solution (containing more than 2% Ammonia)	UAS	6			III		.56-1(b)
Vinyl acetate	VAM	13		C	III	V	.50-70(e), .50-81(e), (b)

**Explanation of terms & symbols used in the Table:**

**Cargo Identification**

- Name: The proper shipping name as listed in 46 CFR Table 151.0
- 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.

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commanding Officer  
United States Coast Guard  
Marine Safety Center

2100 2nd Street, S.W. Stop 7102  
Washington, DC 20593-7102  
Staff Symbol: MSC-3  
Phone: (202) 475-3403  
Fax: (202) 475-3920  
Email: msc@uscg.mil

16710/P017619  
Serial: C1-1301205  
May 1, 2013

Design Associates  
Attn: Mr. Asraf Degedy  
1508 Gause Blvd, STE 203-206  
Slidell, LA 70460  
Email: a.degedy@designassoc.net

Subj: KIRBY 30400, O.N. 998064, Platzer Hull 308  
KIRBY 30401, O.N. 999816, Trinity Marine Gulfport Hull 1395  
KIRBY 30405, O.N. 995546, Platzer Hull 306  
KIRBY 30406, O.N. 995547, Platzer Hull 307  
KIRBY 30407, O.N. 995574, Trinity Marine Gulfport Hull 1356  
KIRBY 30408, O.N. 995573, Trinity Marine Gulfport Hull 1357  
KIRBY 30409, O.N. 998015, Trinity Marine Gulfport Hull 1385  
KIRBY 30410, O.N. 998016, Platzer Hull 309  
KIRBY 30411, O.N. 998065, Trinity Marine Gulfport Hull 1390  
KIRBY 30412, O.N. 999813, Platzer Hull 310  
KIRBY 30413, O.N. 999814, Trinity Marine Gulfport Hull 1394  
KIRBY 30414, O.N. 999815, Platzer Hull 311  
297'-6" x 54' x 12' Unmanned Double Hull Type II/III Tank Barges (D/O)  
Grade A (max. 25 psia Reid) and Lower Grades Flammable or Combustible Liquids  
Identified in 46 CFR Table 30.25-1 or 46 CFR Part 153 Table 2 as Pollution Category  
I or III and Specified Hazardous Cargoes  
Design Density 8.7 lbs/gal; Maximum Density (slack load) 13.6 lbs/gal  
Rivers; Lakes, Bays, and Sounds; Limited Coastwise on unmanned fair weather voyages  
only, not more than 12 miles offshore between St. Marks and Carrabelle, Florida  
Multi-Breasted Tandem Loading

Ref: (a) Design Associates, Inc., C-4780, "Pressure Drop Calculations for Tandem Loading,"  
KIRBY 30400-30401 – 30405–30414  
(b) MSC Letter, Serial No. C-30650, dated December 7, 1993  
(c) MSC Letter, Serial No. C-30603, dated November 24, 1993  
(d) MSC Letter, Serial No. C-30495, dated September 22, 1993  
(d) MSC Letter, Serial No. C-30393, dated August 5, 1993

Dear Mr. Degedy:

In response to your electronic submission (MSC Document No. 1312357), dated April 5, 2013,  
we have reviewed the pressure drop calculations for multi-breasted tandem loading.  
Accordingly, reference (a) is "**Examined**".

16710/P017619  
Serial: C1-1301205  
May 1, 2013

Subj: KIRBY 30400, KIRBY 30401, and KIRBY 30405 through 30414  
Multi-Breasted Tandem Loading

The subject barges have vapor control systems previously approved by references (b) through (d), and are acceptable for dual loading operations. Based on the calculations in reference (a), tandem loading is limited to simultaneous collection of those cargoes listed in the vessels' CAA at a maximum transfer rate of **5,000 bbl/hr** per barge.

For final approval you must submit your request to Commandant (CG-ENG-5) with the name of the facility where the vessels will be conducting dual loading operations. For more information, please email the Coast Guard Hazardous Materials Standards division at [HazmatStandards@uscg.mil](mailto:HazmatStandards@uscg.mil).

If you have any questions concerning our review, please contact Lieutenant Rachel Beckmann at the number listed above.

Sincerely,

M. J. SEXTON  
Lieutenant, U. S. Coast Guard  
Assistant Chief, Tank Vessel and Offshore Division  
By direction

Encl: (1) Pressure Drop Calculations for Dual Cargo Loading Operations

Copy: Commandant, U. S. Coast Guard (CG-ENG-5)