



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

Certification Date: 28 Jun 2012  
 Expiration Date: 28 Jun 2017  
 IMO Number:

# 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 KIRBY 30016T	Official Number 1049506	Call Sign	Service Tank Barge			
Hailing Port WILMINGTON DE	Hull Material Steel	Horsepower	Propulsion			
Place Built HOUSTON, TX UNITED STATES	Delivery Date 14Feb1997	Date Keel Laid 19Sep1996	Gross Tons R-1619	Net Tons R-1619	DWT -	Length R-297.5
Owner KIRBY INLAND MARINE LP 55 WAUGH DR STE 1000 HOUSTON, TX 77007 UNITED STATES	Operator KIRBY INLAND MARINE LP 16402 1/2 DE ZAVALA RD 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.**

Master	Master & 1st Class pilot	Radio Officer(s)	Chief Engineer	QMED/Rating
Chief Mate	Mate & 1st Class Pilot	Able Seamen/ROANW	1st Asst. Engr/2nd Engr.	Oilers
2nd Mate/OICNW	Lic. Mate/OICNW	Ordinary Seamen	2nd Asst. Engr/3rd Engr.	
3rd Mate/OICNW	1st Class Pilot	Deckhands	3rd Asst. Engr.	
			Lic. Engr.	

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 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 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 OCMI Houston-Galveston, Tx.

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

With this Inspection for Certification having been completed at Texas City, TX, the Officer in Charge, Marine Inspection, 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/Quarterly Reinspections				This certificate issued by:  JAMES B. ROBERTSON, CDR, USCG, BY DIRECTION Officer in Charge, Marine Inspection Houston-Galveston Inspection Zone
Date	Zone	A/P/Q	Signature	
-	-	-	-	
-	-	-	-	
-	-	-	-	



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28Jun2012

KIRBY 30016T

### ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
Drydock	26Apr2017	26Apr2007	14Feb1997
Internal Structure	28Jun2017	28Jun2012	26Apr2007

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

Authorization/ Grade "A" and lower and specified hazardous cargoes.  
 46CFR Subchapter D Authority: Highest Grade/A Capacity/30800 Units/Barrels  
 46CFR Subchapter O Authority: Part 151/Yes Part 153/No Part 154/No

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

Tanks	Max Cargo Weight/Tank(Short Tons)	Max Density(LBS/Gal)
3 P/S	770	15.000
2 P/S	832	15.000
1 P/S	916	15.000

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

Hull Type	Max Load (STons)	Max Draft (Ft/In)	Max Density (Lbs/Gal)	Route
II	3923	10'0	15.0	Lakes, Bays, and Sounds
III	4797	11'9	15.0	Lakes, Bays, and Sounds
II	3923	10'0	15.00	Rivers
III	4797	11'9	15.00	Rivers

#### \*Conditions of Carriage\*

Only Grade A and lower cargoes and specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial # VN96015701, dated January 03, 2001, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

Per 46 CFR 151.10-15 (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.

#### \*Vapor Control System\*

In accordance with 46 CFR Part 39, excluding part 39.40, this vessel's vapor collection system has been inspected to the plans approved by Marine Safety Center letter Serial # C2-9502602 dated June 28, 1995, and has been found acceptable for the collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column of the vessel's Cargo Authority Attachment.

When the vessel is carrying cargoes containing greater than 0.5% benzene, the person in charge is responsible for ensuring the provisions of 46 CFR part 197, Subpart C are applied.

#### \*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.



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### ---Inspection Status---

#### \*Cargo Tanks\*

TankID	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
3 P/S	-	26Apr2007	26Apr2017	-	-	-
2 P/S	-	26Apr2007	26Apr2017	-	-	-
1 P/S	-	26Apr2007	26Apr2017	-	-	-

TankID	Saftey Valves	Hydro Test		
		Previous	Last	Next
3 P/S	-	-	-	-
2 P/S	-	-	-	-
1 P/S	-	-	-	-

### ---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery.

### ---Fire Fighting Equipment---

Number of Fireman Outfits/ 0

#### \*Fire Extinguishers - Hand portable and semi-portable\*

Qty	Class Type
2	B-II

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



Department of Transportation  
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COI Ref. 03-Jan-01

# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 30016T  
Official #: D1049506

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Shipyard: TRINITY MARINE PRO  
Hull #: E336

### List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Notes	Special Requirements in 46 CFR 151 General and Mar's of Construction
		Group No	Exc				
<b>Authorized Subchapter O Cargoes</b>							
Acetic acid	AAC	4	Y	D	III		.50-73, .55-1(a)
Ammonium bisulfite solution (70% or less)	ABX	43	Y		III		.50-73, .50-1(a), (b), (c)
Acetic anhydride	ACA	11	N	D	III		.50-73, .55-1(g)
Acrylonitrile	ACN	15	Y	C	II	T	.50-70(a), .55-1(a)
Adiponitrile	ADN	37	N	E	II	V	No
Aminoethyl ethanolamine	AEE	8	N	E	III	V	.55-1(b)
Anthracene oil (Coal tar fraction)	AHO	33	N		II		No
Ammonium hydroxide (28% or less NH3)	AMH	6	N		III		.50-1(a), (b), (c), (f), (g)
Butyl acrylate (all isomers)	BAR	14	N	D	III	V	.50-70(a), .50-81(a), (b)
Benzene hydrocarbon mixtures (containing Acetylenes)(having 10% Benzene or more)	BHA				III	V	.50-80, .50-1(b), (d), (f), (g)
Benzene hydrocarbon mixtures (having 10% Benzene or more)	BHB	32	N		III	V	.50-80
Butyl methacrylate	BMH	14	N	D	III	V	.50-70(a), .50-81(a), (b)
Benzene	BNZ	32	N	C	III	V	.50-80
Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	BTX	32	N	B/C	III	V	.50-80
Carbon tetrachloride	CBT	38	N		III		No
Cyclohexanone	CCH	18	N	D	III	V	.50-1(a), (b)
Creosote (all isomers)	CCW	21	Y	E	III	V	No
Cyclohexylamine	CHA	7	N	D	III	V	.50-1(a), (b), (c), (g)
Camphor oil	CPO	18	N	D	II		No
Caustic potash solution	CPS	5	Y		III		.50-73, .55-1(d)
Chlorobenzene	CRB	36	N	D	III	V	No
Chloroform	CRF	36	N	E	III		No
Cresols	CRS	21	N	E	III	V	No
Cresylic acid tar	CRX	21	N		III	V	.55-1(f)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	N	D	III	V	.50-80, .50-1(b)
Cresylate spent caustic	CSC	5	N		III		.50-73, .55-1(e)
Caustic soda solution	CSS	5	Y		III		.50-73, .55-1(d)
N,N-Dimethylacetamide	DAC	10	N	E	III	T	.50-1(b)
2,4-Dichlorophenoxyacetic acid, dimethylamine saltsolution	DAD	0	Y		III		.50-1(a), (b), (c), (g)
Dichlorobenzenes (all isomers)	DBX	36	N	E	III	T	.50-1(a), (b)
1,1-Dichloroethane	DCH	36	N	C	III	V	No
Dichloromethane	DCM	36	N	NF	III		No
2,4-Dichlorophenoxyacetic acid, dimethylamine saltsolution (70% or less)	DDA	0	Y	NF	III		.55-1(b)
2,4-Dichlorophenoxyacetic acid, diethanolamine saltsolution	DDE	43	N		III		.50-1(a), (b), (c), (g)
Diethanolamine	DEA	8	N	E	III	V	.55-1(c)
2,2'-Dichloroethyl ether	DEE	41	N	D	II	V	.55-1(f)
Diethylenetriamine	DET	7	Y	E	III	V	.55-1(c)
Diisopropanolamine	DIP	8	N	E	III	V	.55-1(c)
Dimethylformamide	DMF	10	N	D	III		.55-1(e)
Dichloropropene, Dichloropropane mixtures	DMX	15	N		II	V	No
Dodecyl dimethylamine, Tetradecyl dimethylamine mixture	DOT	7	N	E	III		.50-1(b)
1,1-Dichloropropane	DPB	36	N	C	III	T	No
1,3-Dichloropropane	DPC	36	N	C	III	T	No
1,2-Dichloropropane	DPP	36	N	C	III	T	No
1,3-Dichloropropene	DPU	15	N	D	II	T	No
2,4-Dichlorophenoxyacetic acid, triisopropanolaminesalt solution	DTI	43	Y		III		.50-1(a), (b), (c), (g)
Ethyl acrylate	EAC	14	N	C	III	V	.50-70(a), .50-81(a), (b)
2-Ethylhexyl acrylate	EAI	14	N	E	III	T	.50-70(a), .50-81(a), (b)

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Department of Transportation  
United States Coast Guard

Serial #: VN96015701  
COI Ref: 03-Jan-01

# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 30016T  
Official #: D1049506

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Shipyard: TRINITY MARI  
Hull #: E336

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compet			Hull Type	Note	Special Requirements in 48 CFR 151 General and Marfs of Construction
		Group No	Exc	Grade			
Ethylamine solution (72% or less)	EAN	7	N	A	II	V	.55-1(b)
Ethylenediamine	EDA	7	Y	D	III	V	.55-1(c)
Ethylene dichloride	EDC	38	Y	C	III	V	No
Ethylene glycol propyl ether	EGP	40	N	E	III		No
Ethylene cyanohydrin	ETC	20	N	E	III	V	No
Ethyl methacrylate	ETM	14	N	C	III	V	.50-70(a)
Formic acid	FMA	4	Y	E	III		.50-73, .55-1(f)
Glutaraldehyde solution (50% or less)	GTA	19	N	NF	III		No
Hydrocarbon 5-9	HFN	30	N	A	III	V	.50-70(a), .50-81(a), (b)
Hexamethylenediamine solution	HMC	7	N	E	III	V	.55-1(e)
Isodecyl acrylate	IAI	14	N	E	III		.50-70(a), .50-81(a), (b), .55-1(c)
Isoprene, Pentadiene mixture	IPN	30	N	A	III		.50-70(a), .55-1(c)
iso-Propylamine	IPP	7	N	A	II		.55-1(e)
Isoprene	IPR	30	N	A	III		.50-70(a), .50-81(a), (b)
Kraft pulping liquors (free alkali content 3% or more)	KPL	5	N		III		.50-73, .56-1(a), (c), (d)
Methyl acrylate	MAM	14	N	C	III	V	.50-70(a), .50-81(a), (b)
Ethanolamine	MEA	8	N	E	III		.55-1(c)
2-Methyl-5-ethylpyridine	MEP	9	N	E	III	V	.55-1(a)
Methyl methacrylate	MMM	14	N	C	III	V	.50-70(a), .50-81(a), (b)
Iso-Propanolamine	MPA	8	N	E	III	V	.55-1(c)
2-Methylpyridine	MPR	9	N	D	III	T	.55-1(c)
Mesityl oxide	MSO	18	Y	D	III	V	No
alpha-Methylstyrene	MSR	30	N	D	III	V	.50-70(a), .50-81(a), (b)
Coal tar naphtha solvent	NCT	33	N	D	III	V	.50-73
Propanolamine (iso-, n-)	PAX	8	N	E	III	V	.56-1(b), (c)
Pentachloroethane	PCE	38	N		III		No
1,3-Pentadiene	PDE	30	N	A	III	V	.50-70(a), .50-81
Polyethylene polyamines	PEB	7	Y	E	III	V	.55-1(e)
Perchloroethylene	PER	38	N	NF	III		No
Propionic acid	PNA	4	N	D	III		.50-73, .55-1(g)
Pyridine	PRD	9	N	C	III	V	.55-1(e)
Sodium aluminate solution (45% or less)	SAU	5	N		III		.50-73, .56-1(a), (b), (c)
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	II		.50-73
Sodium hypochlorite solution (20% or less)	SHQ	5	N	NF	III		.50-73, .56-1(a), (b)
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0	Y		III		.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0	Y		III		.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0	Y		II		.50-73, .55-1(b)
Styrene (crude)	STX	30	N	C	II	V	No
Styrene	STY	30	N	D	II	V	.50-70(a), .50-81(a), (b)
Trichloroethylene	TCL	38	Y		III	V	No
1,1,2-Trichloroethane	TCM	38	N		III	V	.50-73, .56-1(a)
1,2,3-Trichloropropane	TCN	38	N	E	II	T	.50-73, .56-1(a)
Triethanolamine	TEA	8	Y	E	III	V	.55-1(b)
1,1,2,2-Tetrachloroethane	TEC	38	N	NF	III		No
Triethylenetetramine	TET	7	Y	E	II	V	.55-1(b)
Triphenylborane (10% or less), caustic soda solution	TPB	5	N		III		.56-1(a), (b), (c)
Tetraethylenepentamine	TTP	7	N	E	III	V	.55-1(c)
Urea, Ammonium nitrate solution (containing more than 2% Ammonia)	UAS	6	N		III		.56-1(b)
Vinyl acetate	VAM	13	N	C	III	V	.50-70(a), .50-81(a), (b)
Vanilin black liquor (free alkali content 3% or more)	VBL	5	N		III		.50-73, .56-1(a), (c), (d)

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## Cargo Authority Attachment

Vessel Name: KIRBY 30016T  
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Shipyard: TRINITY MARI  
Hull #: E336

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mats of Construction
		Group No	Exc				
Vinyltoluene	VNT	13	N	D	III	V	.50-70(a), .50-81, .58-1(e), (b), (c), (d)

**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.