



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

Certification Date: 07 Aug 2009  
Expiration Date: 07 Aug 2014  
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.

Ex.Name USL 448

Vessel Name KIRBY 8627B	Official Number CG004945	Call Sign	Service Tank Barge
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Hailing Port Not Documented	Hull Material Steel	Horsepower	Propulsion
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Place Built ST. LOUIS, MO	Delivery Date 16Oct1970	Date Keel Laid	Gross Tons R-685	Net Tons R-685	DWT	Length R-118
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Owner KIRBY INLAND MARINE, LP 55 WAUGH DRIVE, STE 1000 HOUSTON TX 77007 UNITED STATES	Operator KIRBY INLAND MARINE, LP 16402 1/2 DE ZAVALA CHANNELVIEW TX 77530 UNITED STATES
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**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

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

With this Inspection for Certification having been completed at Houston, TX, 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/Quarterly Reinspections				This certificate issued by:  R. L. SMITH JR. CDR, USCG, BY DIRECTION Officer in Charge, Marine Inspection Sector Houston-Galveston Inspection Zone
Date	Zone	A/P/Q	Signature	
-	-	-	-	
-	-	-	-	
-	-	-	-	



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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	29Oct2014	29Oct2004	27Aug1999
Internal structure	07Aug2014	07Aug2009	29Oct2004

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

Authorization/ GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES  
 46CFR Subchapter D Authority: Highest Grade/A Capacity/8573 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)
1 AND 3 P/S	240	10.800
2 P/S	255	10.800

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

Hull Type	Max Load (STons)	Max Draft (Ft/In)	Max Density (Lbs/Gal)	Route
II	1399	9'0	10.80	Lakes, Bays, and Sounds
II	1399	9'0	10.80	Rivers
III	1399	9'0	13.80	Lakes, Bays, and Sounds
III	1399	9'0	13.80	Rivers

#### \*Conditions of Carriage\*

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN80000432, dated 25May01, and Grade "A" and lower cargoes may be carried.

#### \* Vapor Control Authorization \*

This vessel's vapor control system has been inspected to the plans approved by the Marine Safety Center letter serial #C-30008 dated 27Jan93, and found acceptable for the collection of cargo vapors from those specific subchapter "D" cargoes contained in that letter, and those specified hazardous cargoes annotated with a "V" in the CAA.

#### \*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
1 AND 3 P/S	27Aug1999	29Oct2004	29Oct2014	-	-	-
2 P/S	27Aug1999	29Oct2004	29Oct2014	-	-	-

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

### ---Lifesaving Equipment---

	Number	Persons		Required
Total Equipment for	0	0	Life Preservers(Adult)	0
Lifeboats(Total)	0	0	Life Preservers(Child)	0
Lifeboats(Port)*	0	0	Ring Buoys(Total)	0
Lifeboats(Starbd)*	0	0	With Lights*	0
Motor Lifeboats*	0	0	With Line Attached*	0
Lifeboats W/Radio*	0	0	Other*	0
Rescue Boats/Platforms	0	0	Immersion Suits	0
Inflatable Rafts	0	0	Portable Lifeboat Radios	0
Life Floats/Buoyant App	0	0	Equipped with EPIRB?	No
Inflatable Bouyant App(IBA)	0	0	(* included in totals)	

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

Number of Fireman Outfits/ 0

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

Qty	Class Type
1	B-II

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



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 8627B (EX: USL 448)  
Official #: CG004945

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Shipyard:  
Hull #:

### List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compet		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat's of Construction
		Group No	Exc				

#### Authorized Subchapter O Cargoes

Acetic acid	AAC	4	Y	D	III	V	.50-73, .55-1(g)
Acetic anhydride	ACA	11	N	D	III	V	.50-73, .55-1(g)
Acrylic acid	ACR	4	Y	D	III		.50-70(a), .60-73, .50-81, .58-1(a)
Adiponitrile	ADN	37	N	E	II		No
Aminoethyl ethanolamine	AEE	8	N	E	III	V	.55-1(b)
Butyraldehyde (all isomers)	BAE	19	N	C	III		.55-1(h)
Butyl acrylate (all isomers)	BAR	14	N	D	III		.50-70(a), .50-81(a), (b)
Butyl methacrylate	BMH	14	N	D	III		.50-70(a), .50-81(a), (b)
Cyclohexanone	CCH	18	N	D	III		.56-1(a), (b)
Creosote (all isomers)	CCW	21	Y	E	III		No
Cyclohexylamine	CHA	7	N	D	III		.56-1(a), (b), (c), (d)
Camphor oil (light)	CPO	18	N	D	II		No
Chlorobenzene	CRB	38	N	D	III		No
Cresylic acid tar	CRX	21	N		III		.55-1(f)
Cresylate spent caustic	CSC	5	N		III		.50-73, .55-1(b)
Dichlorobenzenes (all isomers)	DBX	38	N	E	III		.56-1(a), (b)
1,1-Dichloroethane	DCH	36	N	C	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		.56-1(a), (b), (c), (d)
Diethanolamine	DEA	8	N	E	III	V	.55-1(c)
2,2'-Dichloroethyl ether	DEE	41	N	D	II		.55-1(f)
Diethylenetriamine	DET	7	Y	E	III	V	.55-1(c)
Dimethyl ethanolamine	DMB	8	N	D	III		.56-1(b), (c)
Dimethylformamide	DMF	10	N	D	II		.55-1(e)
Ethyl acrylate	EAC	14	N	C	III		.50-70(a), .50-81(a), (b)
2-Ethylhexyl acrylate	EAI	14	N	E	III	V	.50-70(a), .50-81(a), (b)
N-Ethylcyclohexylamine	ECC	7	N	D	III		.55-1(b)
Ethylenediamine	EDA	7	Y	D	III	V	.55-1(c)
Ethylene dichloride	EDC	36	Y	C	III	V	No
Ethylene glycol propyl ether	EGP	40	N	E	II		No
2-Ethyl-3-propylacrolein	EPA	18	Y	E	III	V	No
Ethylene cyanohydrin	ETC	20	N	E	III		No
Ethyl methacrylate	ETM	14	N	C	III		.50-70(a)
Furfural	FFA	18	N	E	III		.55-1(h)
Formic acid	FMA	4	Y	E	III	V	.50-73, .55-1(i)
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	III	V	.55-1(h)
Glutaraldehyde solution (50% or less)	GTA	19	N	NF	III		No
Hexamethylenediamine solution	HMC	7	N	E	III		.55-1(c)
Hexamethylenimine	HMI	7	N	C	II		.56-1(b), (c)
Isodecyl acrylate	IAI	14	N	E	III	V	.50-70(a), .50-81(a), (b), .55-1(c)
Isoprene, Pentadiene mixture	IPN	30	N	A	III		.50-70(a), .55-1(c)
Isoprene	IPR	30	N	A	III		.50-70(a), .50-81(a), (b)
Methyl acrylate	MAM	14	N	C	III		.50-70(a), .50-81(a), (b)
Methyl diethanolamine	MDE	8	N	E	III	V	.56-1(b), (c)
Ethanolamine	MEA	8	N	E	III	V	.55-1(c)
2-Methyl-5-ethylpyridine	MEP	9	N	E	III		.55-1(e)
Methyl methacrylate	MMM	14	N	C	III		.50-70(a), .50-81(a), (b)
iso-Propanolamine	MPA	8	N	E	III	V	.55-1(c)

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# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 8627B (EX: USL 44)  
Official #: CG004945

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Shipyard:  
Hull #:

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat's of Construction
		Group No	Exc				
Morpholine	MPL	7	Y	D	III	V	.55-1(c)
2-Methylpyridine	MPR	9	N	D	III		.55-1(c)
Mesityl oxide	MSO	18	Y	D	III		No
alpha-Methylstyrene	MSR	30	N	D	III		.50-70(a), .50-81(a), (b)
1- or 2-Nitropropane	NPM	42	N	D	III		.50-81
Propanolamine (iso-, n-)	PAX	8	N	E	III		.56-1(b), (c)
1,3-Pentadiene	PDE	30	N	A	III		.50-70(a), .50-81
Polyethylene polyamines	PEB	7	Y	E	III		.55-1(e)
Propionic acid	PNA	4	N	D	III	V	.50-73, .55-1(g)
Pyridine	PRD	9	N	C	III		.55-1(e)
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, .65-1(b)
Styrene monomer	STY	30	N	D	III	V	.50-70(a), .50-81(e), (b)
Triethanolamine	TEA	8	Y	E	III	V	.55-1(b)
Triethylenetetramine	TET	7	Y	E	III	V	.55-1(b)
Tetrahydrofuran	THF	41	N	C	III		.50-70(b)
Triphenylborane (10% or less), caustic soda solution	TPB	5	N		III		.56-1(a), (b), (c)
Tetraethylenepentamine	TTP	7	N	E	III		.55-1(c)
Vinyl acetate	VAM	13	N	C	III	V	.50-70(a), .50-81(a), (b)
Vanillin black liquor (free alkali content 3% or more)	VBL	5	N		III		.50-73, .56-1(a), (c), (g)
Vinyltoluene	VNT	13	N	D	III		.50-70(a), .50-81, .56-1(a), (b), (c), (g)

### 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.

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