



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

Certification Date: 18 Oct 2019

Expiration Date: 18 Oct 2020

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 28066	1158900			Tank Barge

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

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
ASHLAND CITY, TN	24Sep2004		R-1632	R-1632	1632	R-300.0
UNITED STATES			I-	I-		I-0

Owner	Operator
KIRBY INLAND MARINE LP 55 Waugh Drive Suite 1000 Houston, TX 77007 UNITED STATES	KIRBY INLAND MARINE, LP 18350 Market St. 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---

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 must be notified in writing as soon as this change in status occurs.

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at Freeport, TX, UNITED STATES, 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/Re-Inspection				This certificate issued by: E. M. CARRERO CDR, USCG, BY DIRECTION Officer in Charge, Marine Inspection Houston-Galveston Inspection Zone
Date	Zone	A/P/R	Signature	



Temporary Certificate of Inspection

Vessel Name: KIRBY 28066

This tank barge is participating in the Eighth and 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 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	14Aug2024	14Aug2014	24Sep2004
Internal Structure	31Aug2024	16Oct2019	14Aug2014

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

Authorization: Authorization/ Grade A and Lower and specified hazardous cargoes.

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
28281	Barrels	A	Yes	No	No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1P/S	828	13.6
2P/S	825	13.6
3P/S	764	13.6

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3608	9ft 6in	13.6	Rivers
II	3608	9ft 6in	13.6	Lakes, Bays, and Sounds
III	4604	11ft 6in	13.6	Rivers
III	4604	11ft 6in	13.6	Lakes, Bays, and Sounds

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #C2-0402521, dated September 27, 2004, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

Per 46 CFR 150.130, the Person in Charge of the vessel is responsible for ensuring that the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the compatibility group numbers from the "Compat Group No" column listed in the vessel's CAA.

The maximum design density of cargo which may be filled to the tank top is 8.745 lbs/gal. Cargoes with higher densities, up to 13.58 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

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.

Cargo tank maximum design working pressure: 3.50 psig

Vapor Control System

In accordance with 46 CFR Part 39, excluding part 39.4000, this vessel's vapor collection system has been inspected to the



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Vessel Name: KIRBY 28066

plans approved by Marine Safety Center letter Serial #C2-0402332, dated August 25, 2004, and has been found acceptable for the collection of bulk liquid cargo vapors annotated with "Yes" in the VCS column of the vessel's Cargo Authority Attachment.

In accordance with 46 CFR part 39.1017 and 39.5000(e) this vessel's VCS has been evaluated and approved for multi-breasted tandem loading with other vessels specifically approved to tandem load with this vessel.

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1P/S	24Sep2004	14Aug2014	14Aug2024	-	-	-
2P/S	24Sep2004	14Aug2014	14Aug2024	-	-	-
3P/S	24Sep2004	14Aug2014	14Aug2024	-	-	-

Hydro Test

Tank Id	Safety Valves	Hydro Test		
		Previous	Last	Next
1P/S	-	-	-	-
2P/S	-	-	-	-
3P/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	40-B

END



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28066
Official #: 1158900

Shipyard: Trinity Ashland City
Hull #: 4471

48 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Type	Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements				
Tank Grp	Tanks in Group	Density	Press.	Temp.		Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction	Elec Haz	Tam p	
A	#1PIS, #2PIS, #3PIS	13.6	Atmos.	Amb.	II	18	Integral Gravity	PV	Closed	II	G-1	NR	NA	Portable	.50-01(a), .50-81(b), .50-88,	55-1(b), (c), (e), (f), (h), 55-1(a), (b), (c), (d), (e), (f), (g),	NR	No

- Notes:
- 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.
 - 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.
 - 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	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 48 CFR 151 General and Mixts of Construction	
							App'd (Y or N)	VCS Category		

Authorized Subchapter O Cargoes

Acetonitrile	ATN	37	O	C	III	A	Yes	3	No
Acrylonitrile	ACN	15 ²	O	C	II	A	Yes	4	.50-78(a), .55-1(a)
Adiponitrile	ADN	37	O	E	II	A	Yes	1	No
Alkyl(C7-C8) nitrates	AKN	34 ²	O	NA	III	A	No	N/A	.50-81, .50-88
Aminoethyl ethanolamine	AEE	8	O	E	III	A	Yes	1	.55-1(b)
Ammonium bisulfite solution (70% or less)	ABX	43 ²	O	NA	III	A	No	N/A	.50-73, .54-1(b), (c), (d)
Ammonium hydroxide (28% or less NH3)	AMH	8	O	NA	III	A	No	N/A	.55-1(a), (b), (c), (d), (e)
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No
Benzene	BNZ	32	O	C	III	A	Yes	1	.50-80
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 ²	O	NA	III	A	Yes	1	.50-80
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	BHA	32 ²	O	NA	III	A	Yes	1	.50-82, .54-1(b), (c), (d), (e)
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	O	B/C	III	A	Yes	1	.50-80
Butyl acrylate (all isomers)	BAR	14	O	D	III	A	Yes	2	.50-78(a), .50-81(a), (b)
Butyl methacrylate	BMH	14	O	D	III	A	Yes	2	.50-78(a), .50-81(a), (b)
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	Yes	1	.54-1(b)
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No
Chemical Oil (refined, containing phenolics)	COD	21	O	E	II	A	No	N/A	.50-71
Chlorobenzene	CRB	36	O	D	III	A	Yes	1	No
Chloroform	CRF	36	O	E	III	A	Yes	3	No
Coal tar naphtha solvent	NCT	33	O	D	III	A	Yes	1	.55-73
Croosote	CCW	21 ²	O	E	III	A	Yes	1	No
Cresols (all isomers)	CRS	21	O	E	III	A	Yes	1	No
Cresylic spent caustic	CSC	5	O	NA	III	A	No	N/A	.50-71, .55-1(b)
Cresylic acid tar	CRX		O		III	A	Yes	1	.55-1(b)
Crotonaldehyde	CTA	19 ²	O	C	II	A	Yes	4	.55-1(b)
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolatin)	CHG		O		III	A	No	N/A	No
Cyclohexanone	CCH	18	O	D	III	A	Yes	1	.54-1(a), (b)
Cyclohexanone, Cyclohexanol mixture	CYX	18 ²	O	E	III	A	Yes	1	.54-1 (a)
Cyclohexylamine	CHA	7	O	D	III	A	Yes	1	.55-1(b), (c), (d), (e)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	O	D	III	A	Yes	1	.50-80, .55-1(b)
iso-Decyl acrylate	IAI	14	O	E	III	A	Yes	2	.50-78(a), .50-81(a), (b), .55-1(c)
Dichlorobenzene (all isomers)	DBX	36	O	E	III	A	Yes	3	.55-1(a), (b)
1,1-Dichloroethane	DCH	36	O	C	III	A	Yes	1	No
2,2-Dichloroethyl ether	DEE	41	O	D	II	A	Yes	1	.55-1(b)
Dichloromethane	DCM	36	O	NA	III	A	No	N/A	No
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	NA	III	A	No	N/A	.55-1(a), (b), (c), (d)

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **KIRBY 26066**
Official #: **1158900**

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Shipyard: **Trinity Ashland City**
Hull #: **4471**

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 48 CFR 151 General and Mgmt of Construction
							App'd (Y or N)	VCS Category	
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2	O	NA	III	A	No	N/A	58-1(a), (b), (c), (d)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)	DDA		O		III	A	No	N/A	58-1(b)
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 2	O	NA	III	A	No	N/A	58-1(a), (b), (c), (d)
1,1-Dichloropropane	DPB	38	O	C	III	A	Yes	3	No
1,2-Dichloropropane	DPP	38	O	C	III	A	Yes	3	No
1,3-Dichloropropane	DPC	38	O	C	III	A	Yes	3	No
1,3-Dichloropropane	DPU	18	O	D	II	A	Yes	4	No
Dichloropropane, Dichloropropane mixtures	DAX	16	O	NA	II	A	Yes	1	No
Diethanolamine	DEA	8	O	E	III	A	Yes	1	58-1(c)
Diethylamine	DEN	7	O	C	III	A	Yes	3	58-1(c)
Diethylenetriamine	DET	7 2	O	E	III	A	Yes	1	58-1(a)
Dibutylamine	DBU	7	O	D	III	A	Yes	3	58-1(a)
Diisopropanolamine	DIP	8	O	E	III	A	Yes	1	58-1(a)
Diisopropylamine	DIA	7	O	C	II	A	Yes	3	58-1(a)
N,N-Dimethylacetamide	DAC	10	O	E	III	A	Yes	3	58-1(a)
Dimethylethanamine	DME	8	O	D	III	A	Yes	1	58-1(a), (c)
Dimethylformamide	DMF	10	O	D	III	A	Yes	1	58-1(a)
Di-n-propylamine	DNA	7	O	C	II	A	Yes	3	58-1(a)
Dodecylmethylamine, Tetradecylmethylamine mixture	DOT	7	O	E	III	A	No	N/A	58-1(b)
Ethanamine	MEA	8	O	E	III	A	Yes	1	58-1(a)
Ethyl acrylate	EAC	14	O	C	III	A	Yes	2	58-7(a), 58-8(a), (b)
Ethylamine solution (72% or less)	EAN	7	O	A	II	A	No	N/A	58-1(b)
N-Ethylbutylamine	EBA	7	O	D	III	A	Yes	3	58-1(a)
N-Ethylcyclohexylamine	ECC	7	O	D	III	A	Yes	1	58-1(a)
Ethylene cyanohydrin	ETC	20	O	E	III	A	Yes	1	No
Ethylenediamine	EDA	7 2	O	D	III	A	Yes	1	58-1(a)
Ethylene dichloride	EDC	38 2	O	C	III	A	Yes	1	No
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No
Ethylene glycol monoethyl ethers	EGC	40	O	D/E	III	A	Yes	1	No
Ethylene glycol propyl ether	EGP	40	O	E	III	A	Yes	1	No
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	Yes	2	58-7(a), 58-8(a), (b)
Ethyl methacrylate	ETM	14	O	D/E	III	A	Yes	2	58-7(a)
2-Ethyl-3-propylacrolein	EPA	18 2	O	E	III	A	Yes	1	No
Formaldehyde solution (37% to 50%)	FMB	18 2	O	D/E	III	A	Yes	1	58-1(a)
Furfural	FFA	18	O	E	III	A	Yes	1	58-1(a)
Glutaraldehyde solution (50% or less)	GTA	18	O	NA	III	A	No	N/A	No
Hexamethylenediamine solution	HMC	7	O	E	III	A	Yes	1	58-1(a)
Hexamethylenimine	HMI	7	O	C	II	A	Yes	1	58-1(b), (c)
Hydrocarbon 5-9	HFN		O		III	A	Yes	1	58-7(a), 58-8(a), (b)
Isoprene	IPR	30	O	A	III	A	No	N/A	58-7(a), 58-8(a), (b)
Isoprene, Pentadiene mixture	IPN		O		III	A	No	N/A	58-7(a), 58-8(a)
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	58-7a, 58-1(a), (c), (d)
Mesityl oxide	MSO	18 2	O	D	III	A	Yes	1	No
Methyl acrylate	MAM	14	O	C	III	A	Yes	2	58-7(a), 58-8(a), (b)
Methylcyclopentadiene dimer	MCK	30	O	C	III	A	Yes	1	No
Methyl diethanolamine	MDE	8	O	E	III	A	Yes	1	58-1(a), (c)
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	Yes	1	58-1(a)
Methyl methacrylate	MMM	14	O	C	III	A	Yes	2	58-7(a), 58-8(a), (b)
2-Methylpyridine	MPR	9	O	D	III	A	Yes	3	58-1(a)
alpha-Methylstyrene	MSR	30	O	D	III	A	Yes	2	58-7(a), 58-8(a), (b)
Menthole	MPL	7 2	O	D	III	A	Yes	1	58-1(a)
1- or 2-Nitropropane	NPM	42	O	D	III	A	Yes	1	58-81

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Cargo Authority Attachment

Vessel Name: KIRBY 28068
Official #: 1158900

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Shipyard: Trinity Ashland City
Hull #: 4471

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 48 CFR 151 General and Methods of Construction
							App'd (Y or N)	VCS Category	
1,3-Pentadiene	PDE	30	O	A	III	A	No	N/A	50-70(a), 50-81
Perchloroethylene	PER	38	O	NA	III	A	No	N/A	No
Polyethylene polyamines	PEB	7 ²	O	E	III	A	Yes	1	50-70
Iso-Propenolamine	MPA	8	O	E	III	A	Yes	1	50-70
Propenolamine (iso-, n-)	PAX	8	O	E	III	A	Yes	1	50-70(a), (b)
Iso-Propylamine	IPP	7	O	A	II	A	Yes	5	50-70
Pyridine	PRD	9	O	C	III	A	Yes	1	50-70
Sodium aluminate solution (45% or less)	SAU	8	O	NA	III	A	No	N/A	50-70, 50-101, (b), (c)
Sodium chlorate solution (80% or less)	SDD	0 ^{1,2}	O	NA	III	A	No	N/A	50-70
Sodium hypochlorite solution (20% or less)	SHQ	5	O	NA	III	A	No	N/A	50-70, 50-70(a), (b)
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 ^{1,2}	O	NA	III	A	Yes	1	50-70, 50-70(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 ^{1,2}	O	NA	III	A	No	N/A	50-70, 50-101
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 ^{1,2}	O	NA	II	A	No	N/A	50-70, 50-101
Styrene (crude)	STX		O	D	III	A	Yes	2	No
Styrene monomer	STY	30	O	D	III	A	Yes	2	50-70(a), 50-81(a), (b)
1,1,2,2-Tetrachloroethane	TEC	38	O	NA	III	A	No	N/A	No
Tetraethylenepentamine	TIP	7	O	E	III	A	Yes	1	50-70
Tetrahydrofuran	THF	41	O	C	III	A	Yes	1	50-70
Toluenediamine	TDA	9	O	E	II	A	No	N/A	50-70, 50-70(a), (b), (d), (e)
1,2,4-Trichlorobenzene	TCB	38	O	E	III	A	Yes	1	No
1,1,2-Trichloroethane	TCM	38	O	NA	III	A	Yes	1	50-70, 50-70(a)
Trichloroethylene	TCL	38 ²	O	NA	III	A	Yes	1	No
1,2,3-Trichloropropane	TCN	38	O	E	II	A	Yes	3	50-70, 50-70(a)
Triethanolamine	TEA	8 ²	O	E	III	A	Yes	1	50-70
Triethylamine	TEN	7	O	C	II	A	Yes	3	50-70
Triethylenetriamine	TET	7 ²	O	E	III	A	Yes	1	50-70
Triphenylborane (10% or less), caustic soda solution	TPB	8	O	NA	III	A	No	N/A	50-70(a), (b), (c)
Trisodium phosphate solution	TSP	8	O	NA	III	A	No	N/A	50-70, 50-70(a), (c)
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	8	O	NA	III	A	No	N/A	50-70
Vanillin black liquor (free alkali content, 3% or more)	VEL	8	O	NA	III	A	No	N/A	50-70
Vinyl acetate	VAM	13	O	C	III	A	Yes	2	50-70, 50-70(a), (b), (c)
Vinyl neodecanate	VND	13	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)
Vinyltoluene	VNT	13	O	D	III	A	Yes	2	50-70(a), 50-81, 50-81(a), (b), (c), (d)

Subchapter D Cargoes Authorized for Vapor Control

Acetone	ACT	18 ²	D	C		A	Yes	1
Acetophenone	ACP	18	D	E		A	Yes	1
Alcohol(C12-C18) poly(1-6)ethoxylates	APU	20	D	E		A	Yes	1
Alcohol(C8-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		A	Yes	1
Amyl acetate (all isomers)	AEC	34	D	D		A	Yes	1
Amyl alcohol (iso-, n-, sec-, primary)	AAJ	20	D	D		A	Yes	1
Benzyl alcohol	BAL	21	D	E		A	Yes	1
Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFX	20	D	E		A	Yes	1
Butyl acetate (all isomers)	BAX	34	D	D		A	Yes	1
Butyl alcohol (iso-)	IAL	20 ²	D	D		A	Yes	1
Butyl alcohol (n-)	BAN		D	D		A	Yes	1
Butyl alcohol (sec-)	BAS		D	C		A	Yes	1
Butyl alcohol (tert-)	BAT		D	C		A	Yes	1
Butyl benzyl phthalate	BPH	34	D	E		A	Yes	1
Butyl toluene	BUE	32	D	D		A	Yes	1

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Cargo Authority Attachment

Vessel Name: KRBV 26066
Official #: 1158900

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Shipyard: Trinity Ashland City
Hull #: 4471

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Molds of Construction
							App'd (Y or N)	VCS Category	
Cephaloclam solutions	CLS	22	D	E		A	Yes	1	
Cyclohexane	CHX	31	D	C		A	Yes	1	
Cyclohexanol	CHN	20	D	E		A	Yes	1	
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		A	Yes	2	
p-Cymene	CMP	32	D	D		A	Yes	1	
iso-Decaldehyde	IDA	19	D	E		A	Yes	1	
n-Decaldehyde	DAL	19	D	E		A	Yes	1	
Decane	DCE	30	D	D		A	Yes	1	
Decyl alcohol (all isomers)	DAX	20 ²	D	E		A	Yes	1	
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		A	Yes	1	
Diacetone alcohol	DAK	20 ¹	D	E		A	Yes	1	
ortho-Dibutyl phthalate	DPA	34	D	E		A	Yes	1	
Diethylbenzene	DEB	32	D	D		A	Yes	1	
Diethylene glycol	DEG	40 ²	D	E		A	Yes	1	
Diisobutylene	DBL	30	D	C		A	Yes	1	
Diacetyl ketone	DIK	18	D	D		A	Yes	1	
Diisopropylbenzene (all isomers)	DIX	32	D	E		A	Yes	1	
Dimethyl phthalate	DTL	34	D	E		A	Yes	1	
Diethyl phthalate	DOP	34	D	E		A	Yes	1	
Dipentane	DPN	30	D	D		A	Yes	1	
Diphenyl	DIL	32	D	D/E		A	Yes	1	
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		A	Yes	1	
Diphenyl ether	DPE	41	D	(E)		A	Yes	1	
Dipropylene glycol	DPG	40	D	E		A	Yes	1	
Distillates: Flashed lead stocks	DFF	33	D	E		A	Yes	1	
Distillates: Straight run	D3R	33	D	E		A	Yes	1	
Dodecane (all isomers)	DOZ	30	D	D		A	Yes	1	
Dodecylbenzene, see Alkyl(C9+)benzenes	DOB	32	D	E		A	Yes	1	
2-Ethoxyethyl acetate	EEA	34	D	D		A	Yes	1	
Ethoxy triglycol (crude)	ETG	40	D	E		A	Yes	1	
Ethyl acetate	ETA	34	D	C		A	Yes	1	
Ethyl acetoacetate	EAA	34	D	E		A	Yes	1	
Ethyl alcohol	EAL	20 ²	D	C		A	Yes	1	
Ethylbenzene	ETB	32	D	C		A	Yes	1	
Ethyl butanol	EBT	20	D	D		A	Yes	1	
Ethyl tert-butyl ether	EBE	41	D	C		A	Yes	1	
Ethyl butyrate	EBR	34	D	D		A	Yes	1	
Ethyl cyclohexane	ECY	31	D	D		A	Yes	1	
Ethylene glycol	EGL	20 ²	D	E		A	Yes	1	
Ethylene glycol butyl ether acetate	EMA	34	D	E		A	Yes	1	
Ethylene glycol diacetate	EGY	34	D	E		A	Yes	1	
Ethylene glycol phenyl ether	EPE	40	D	E		A	Yes	1	
Ethyl-3-ethoxypropionate	E3P	34	D	E		A	Yes	1	
2-Ethylhexanol	EHX	20	D	E		A	Yes	1	
Ethyl propanoate	EPR	34	D	C		A	Yes	1	
Ethyl toluene	ETE	32	D	E		A	Yes	1	
Formamide	FAM	10	D	E		A	Yes	1	
Furfuryl alcohol	FAL	20 ²	D	E		A	Yes	1	
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		A	Yes	1	
Gasoline blending stocks: Reformates	GRF	33	D	A/C		A	Yes	1	
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	C		A	Yes	1	
Gasolines: Aviation (containing not over 4.66 grams of lead per gallon)	GAV	33	D	C		A	Yes	1	

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28066
Official #: 1158800

Page 5 of 7

Shipyard: Trinity Ashland City
Hull #: 4471

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 48 CFR 151 General and Matrix of Construction
							App'd (Y or N)	VCS Category	
Gasolines: Casinghead (natural)	GCS	33	D	A/C		A	Yes	1	
Gasolines: Polymer	GPL	33	D	A/C		A	Yes	1	
Gasolines: Straight run	GSR	33	D	A/C		A	Yes	1	
Glycerine	GCR	20 ²	D	E		A	Yes	1	
Heptane (all isomers), see Alkanes (C8-C9) (all isomers)	HMX	31	D	C		A	Yes	1	
Heptanoic acid	HEP	4	D	E		A	Yes	1	
Heptanol (all isomers)	HTX	20	D	D/E		A	Yes	1	
Heptene (all isomers)	HPX	30	D	C		A	Yes	2	
Heptyl acetate	HPE	34	D	D		A	Yes	1	
Hexane (all isomers), see Alkanes (C8-C9)	HXS	31 ²	D	B/C		A	Yes	1	
Hexanoic acid	HXD	4	D	E		A	Yes	1	
Hexanol	HGX	20	D	D		A	Yes	1	
Hexene (all isomers)	HEX	30	D	C		A	Yes	2	
Hexylene glycol	HXG	20	D	E		A	Yes	1	
Isophorone	IPH	18 ²	D	E		A	Yes	1	
Jet fuel: JP-4	JPF	33	D	E		A	Yes	1	
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		A	Yes	1	
Kerosene	KRS	33	D	D		A	Yes	1	
Methyl acetate	MTT	34	D	D		A	Yes	1	
Methyl alcohol	MAL	20 ¹	D	C		A	Yes	1	
Methylamyl acetate	MAC	34	D	D		A	Yes	1	
Methylamyl alcohol	MAA	20	D	D		A	Yes	1	
Methyl amyl ketone	MAK	18	D	D		A	Yes	1	
Methyl tert-butyl ether	MBE	41 ²	D	C		A	Yes	1	
Methyl butyl ketone	MBK	18	D	C		A	Yes	1	
Methyl butyrate	MSU	34	D	C		A	Yes	1	
Methyl ethyl ketone	MEK	18 ²	D	C		A	Yes	1	
Methyl heptyl ketone	MHK	18	D	D		A	Yes	1	
Methyl isobutyl ketone	MIK	18 ²	D	C		A	Yes	1	
Methyl naphthalene (molten)	MNA	32	D	E		A	Yes	1	
Mineral spirits	MNS	33	D	D		A	Yes	1	
Myrcene	MRE	30	D	D		A	Yes	1	
Naphtha: Heavy	NAG	33	D	#		A	Yes	1	
Naphtha: Petroleum	PTN	33	D	#		A	Yes	1	
Naphtha: Solvent	NSV	33	D	D		A	Yes	1	
Naphtha: Stoddard solvent	NSS	33	D	D		A	Yes	1	
Naphtha: Varnish makers and painters (75%)	NVM	33	D	C		A	Yes	1	
Nonane (all isomers), see Alkanes (C8-C9)	NAX	31	D	D		A	Yes	1	
Nonene (all isomers)	NON	30	D	D		A	Yes	2	
Nonyl alcohol (all isomers)	NNS	20 ²	D	E		A	Yes	1	
Nonyl phenol	NNP	21	D	E		A	Yes	1	
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		A	Yes	1	
Octane (all isomers), see Alkanes (C8-C9)	OAX	31	D	C		A	Yes	1	
Octanoic acid (all isomers)	OAY	4	D	E		A	Yes	1	
Octanol (all isomers)	OCX	20 ²	D	E		A	Yes	1	
Octene (all isomers)	OTX	30	D	C		A	Yes	2	
Oil, fuel: No. 2	OTW	33	D	D/E		A	Yes	1	
Oil, fuel: No. 2-D	OTD	33	D	D		A	Yes	1	
Oil, fuel: No. 4	OFR	33	D	D/E		A	Yes	1	
Oil, fuel: No. 5	OFV	33	D	D/E		A	Yes	1	
Oil, fuel: No. 6	OSX	33	D	E		A	Yes	1	
Oil, misc: Crude	OIL	33	D	C/D		A	Yes	1	

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28066
Official #: 1158900

Page 6 of 7

Shipyards: Trinity Ashland City
Hull #: 4471

Cargo Identification						Conditions of Carriage			
Name	Chem Code	Compat Group	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 48 CFR 151 General and Means of Construction
							App'd (Y or N)	VCS Category	
Oil, misc: Diesel	ODS	33	D	D/E		A	Yes	1	
Oil, misc: Lubricating	OLB	33	D	E		A	Yes	1	
Oil, misc: Residual	ORL	33	D	E		A	Yes	1	
Oil, misc: Turbine	OTB	33	D	E		A	Yes	1	
Pentane (all isomers)	PTY	31	D	A		A	Yes	5	
Pentane (all isomers)	PTX	30	D	A		A	Yes	5	
alpha-Pinene	PIO	30	D	D		A	Yes	1	
beta-Pinene	PIP	30	D	D		A	Yes	1	
Poly(2-8)alkylene glycol monoalkyl(C1-C8) ether	PAG	40	D	E		A	Yes	1	
Poly(2-8)alkylene glycol monoalkyl(C1-C8) ether acetate	PAF	34	D	E		A	Yes	1	
Polybutene	PLB	30	D	E		A	Yes	1	
Polypropylene glycol	PGC	40	D	E		A	Yes	1	
iso-Propyl acetate	IAC	34	D	C		A	Yes	1	
n-Propyl acetate	PAT	34	D	C		A	Yes	1	
iso-Propyl alcohol	IPA	20 ²	D	C		A	Yes	1	
n-Propyl alcohol	PAL	20 ²	D	C		A	Yes	1	
Propylbenzene (all isomers)	PBY	32	D	D		A	Yes	1	
iso-Propylcyclohexane	IPX	31	D	D		A	Yes	1	
Propylene glycol	PPG	20 ²	D	E		A	Yes	1	
Propylene glycol methyl ether acetate	PGN	34	D	D		A	Yes	1	
Propylene tetramer	PTT	30	D	D		A	Yes	1	
Sulfolane	SFL	39	D	E		A	Yes	1	
Tetraethylene glycol	TTG	40	D	E		A	Yes	1	
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1	
Toluene	TOL	32	D	C		A	Yes	1	
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		A	Yes	1	
Triethylbenzene	TEB	32	D	E		A	Yes	1	
Triethylene glycol	TEG	40	D	E		A	Yes	1	
Triethyl phosphate	TEP	34	D	E		A	Yes	1	
Trimethylbenzene (all isomers)	TRE	32	D	(D)		A	Yes	1	
Trixylenyl phosphate	TRP	34	D	E		A	Yes	1	
Undecane	UDC	30	D	D/E		A	Yes	1	
1-Undecyl alcohol	UND	20	D	E		A	Yes	1	
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		A	Yes	1	



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 28066
Official #: 1158900

Page 7 of 7

Shipyard: Trinity Ashland
Hull #: 4471

Explanation of terms & symbols used in the Table:

Cargo Identification:

Name	The proper shipping name as listed in 48 CFR Table 30.25-1, 48 CFR Table 151.05, and 48 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 48 CFR Part 153 Tables I and II. In accordance with 48 CFR 150.150, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 48 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 48 CFR 150 in conjunction with the assigned reactive group number. 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-MSD-S), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 257-1217. See Appendix I to 48 CFR Part 150 - exceptions to the compatibility chart.
Note 1	
Note 2	
Subchapter Subchapter D Subchapter O Note 3	The subchapter in Title 48 Code of Federal Regulations under which the cargo has been classified. Those flammable and combustible liquids listed in 48 CFR Table 30.25-1. Those hazardous cargoes listed in 48 CFR Table 151.05 and 48 CFR Part 153 Table 2. Those cargoes listed in 48 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-occurring 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. Flammable liquid cargoes, as defined in 48 CFR 30-10.22. Combustible liquid cargoes, as defined in 48 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. 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.
A, B, C D, E Note 4	
NA #	
Hull Type I II III NA	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 48 CFR 151.10-1. Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 48 CFR 151.10-1(b)(1). Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 48 CFR 151.10-1(b)(3). Designed to carry products of sufficient hazard to require a moderate degree of control. See 48 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 "48 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, gasoline and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 48 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 158.760, 33 CFR 158.120, 33 CFR 158.170, 48 CFR 33.35 and 48 CFR 39. The cargo tank venting system calculations (48 CFR 33.20-11) and the pressure drop calculations (48 CFR 33.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(Polymerize) 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.
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overall protection requirement of 48 CFR 33.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerize 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 polymerize) 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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16917 Market St, Channelview, TX 77530
(713)453-0413

LVT Sales Order LV-4355-SO
Barge Name K 28066
Work Order #

Shop Order & Test Report

Customer:	Kirby Inland Marine	Order #			
Make	Midland	Size	4"	Model #	Equate
Serial #	F 589	Inlet	4" 150	Outlet	NA
Constrution:	P/V	Cap:	N/A		
Set Pressure:	3.0 psi pressure/ 0.5 psi vacuum				
Tag:		Orifice:	N/A		
Work Required:	Complete Overhaul	Test Air			
Condition Received:	Need Repair				

General Condition Pre-repair

Inlet	Dirty	Spring	Good Cond.
Seats	Dirty	Work	ST
Guide	Dirty	Repairs	Lapped Seats
Outlet	Dirty		

Installed viton quad rings

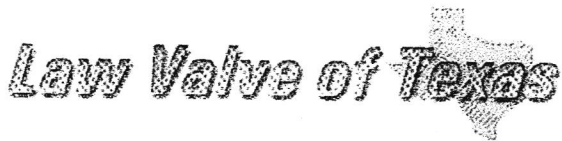
Parts replaced and other work:

Final Test Report

Date 10/7/2019
Set Pressure 3.0 psi pressure/ 0.5 psi vacuum
Nozzle Ring Setting N/A
Back Pressure N/A
Tested By: Joan Rocha

Witness/Assy By Edward Lopez

U.S. Coast Guard Witness



16917 Market St, Channelview, TX 77530
(713)453-0413

LVT Sales Order LV-4355-SO
Barge Name K 28066
Work Order #

Shop Order & Test Report

Customer: Kirby Inland Marine Order #

Make Tank Tech Size 6" Model # KSPA/KSPV6

Serial # KLPH 60451212 Inlet 6" 150 Outlet NA

Constrution: P/V Cap: N/A

Set Pressure: 3.0 psi pressure/0.5 psi vacuum

Tag: Orifice: N/A

Work Required: Complete Overhaul Test Air

Condition Received: Need Repair

General Condition Pre-repair

Inlet	Dirty	Spring	
Seats	Dirty	Work	ST
Guide	Dirty	Repairs	Lapped Seats Replaced gaskets
Outlet	Dirty		

Parts replaced and other work: See attached parts list

Final Test Report

Date 10/7/2019
Set Pressure 3.0 psi pressure/0.5 psi vacuum

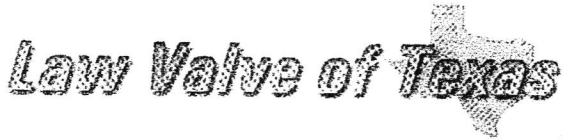
Nozzle Ring Setting N/A

Back Pressure N/A

Tested By: Joan R...

Witness/Assy By: Edmundo A Perry

U.S. Coast Guard Witness



16917 Market St, Channelview, TX 77530
(713)453-0413

LVT Sales Order LV-4355-SO
Barge Name K 28066
Work Order #

Shop Order & Test Report

Customer:	Kirby Inland Marine	Order #	
Make	Farris	Size	6" x 8"
Model #	26QA10L-120		
Serial #	191-PSV-17-A10	Inlet	6"150
Outlet	8"150		
Constrution:	Conventional RV	Cap:	Plain
Set Pressure:	125 psi pressure		
Tag:		Orifice:	Q
Work Required:	Complete Overhaul	Test Air	
Condition Received:	Need Repair		

General Condition Pre-repair

Inlet	Dirty	Spring	Good Cond.
Seats	Dirty	Work	ST
Guide	Dirty	Repairs	Lapped Seats Installed gaskets
Outlet	Dirty		

Parts replaced and other work: _____

Final Test Report

Date	10/7/2019
Set Pressure	125 psi pressure
Nozzle Ring Setting	5 Down
Back Pressure	30 PSI
Tested By:	<i>Eduardo A. Pineda</i>
Witness/Assy By	<i>Juan R. Rocha</i>

U.S. Coast Guard Witness _____