



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

Certification Date: 31 Dec 2020

Expiration Date: 31 Dec 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 11503	962028			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
CARUTHERSVILLE, MO	09Oct1990	11Sep1990	R-766	R-500		R-200.0
UNITED STATES			I-	I-		I-200.0

Owner	Operator
KIRBY INLAND MARINE LP 18350 Market Street Channelview, TX 77530 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, 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 per 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.

*****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 11503

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	31Oct2030	23Nov2020	30Sep2010
Internal Structure	31Oct2025	23Nov2020	08Oct2015

--- 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
11054	Barrels	A	Yes	No	No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1	599	13.500
2	622	13.500
3	680	13.500

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	1769	9ft 2in	13.5	R, LBS
III	1811	10ft 6in	8.7	R, LBS
III	1703	10ft 0in	13.5	R, LBS

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial # VN90004301, dated November 03, 2000, may be carried, and then only in the tanks indicated. 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 197, Subpart C are applied.

Per 46 CFR 150.130, the person in charge of the vessel is responsible for ensuring 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 8.76 lbs/gal. Cargoes with higher densities, up to 13.5 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 max tank weights reflect uniform (within 5%) loading at the deepest draft allowed. When carrying subchapter O cargoes at shallower drafts, the barge(s) should always be loaded uniformly.

Vapor Control Authorization

In accordance with 46 CFR Part 39, excluding Part 39.4000 and 39.5000, this vessel's Vapor Collection System (VCS) has been inspected to the plans approved by MSC Letter C1-20519 dated December 18, 1992, and has been found acceptable for the collection of cargo vapors from those specific subchapter "D" cargoes contained in that letter, and those specified



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Vessel Name: KIRBY 11503

hazardous cargoes annotated with either "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.

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1	30Sep2010	23Nov2020	09Oct2030	-	-	-
2	30Sep2010	23Nov2020	09Oct2030	-	-	-
3	30Sep2010	23Nov2020	09Oct2030	-	-	-

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-

---Lifesaving Equipment---

Total Equipment for 0 Persons

Primary Lifesaving Equipment	Quantity	Capacity		Required
Lifeboats (Total)	0	0	Life Preservers (Adult)	0
Lifeboats (Port)	0	0	Life Preservers (Child)	0
Lifeboats (Starboard)	0	0	Ring Buoys (Total)	0
Motor Lifeboats	0	0	With Lights	0
Lifeboats With Radio	0	0	With Line Attached	0
Rescue Boats/Platforms	0	0	Other	0
Inflatable Rafts	0	0	Immersion Suits	0
Life Floats/Buoyant App	0	0	Portable Lifeboat Radios	0
Inflatable Buoyant Apparatus (IBA)	0	0	Equipped With EPIRB?	NO

---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 11503

Shipyard: CARUTHERSVI

Official #: D962028

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Hull #: 5410

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
		Group No	Exc				
Acrylonitrile	ACN	15	Y	C	II	T	.50-70(a), .55-1(e)
Adiponitrile	ADN	37	N	E	II	V	No
Anthracene oil (Coal tar fraction)	AHO	33	N		II		No
Alkyl(C7-C9) nitrates	AKN	34	Y		III		.50-81, .50-86
Acetonitrile	ATN	37	N	C	III	T	No
iso-Butyraldehyde	BAD	19	N	C	III		
Butyl acrylate (all isomers)	BAR	14	N	D	III		.50-70(a), .50-81(a), (b)
(crude)Butyraldehyde	BFA	19	N				
Benzene hydrocarbon mixtures (containing Acetylenes)(having 10% Benzene or more)	BHA				III	V	.50-60, .56-1(b), (d), (f), (g)
Benzene hydrocarbon mixtures (having 10% Benzene or more)	BHB	32	N		III	V	.50-60
Butyl methacrylate	BMH	14	N	D	III		.50-70(a), .50-81(a), (b)
Benzene	BNZ	32	N	C	III	V	.50-60
n-Butyraldehyde	BTR	19	N	C	III		
Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	BTX	32	N	B/C	III	V	.50-60
Carbon tetrachloride	CBT	36	N		III		No
Cyclohexanone	CCH	18	N	D	III	V	.56-1(a), (b)
Creosote (all isomers)	CCW	21	Y	E	III	V	No
Camphor oil	CPO	18	N	D	II		No
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		.55-1(f)
Crotonaldehyde	CTA	19	Y	C	II	T	.55-1(h)
N,N-Dimethylacetamide	DAC	10	N	E	III	T	.56-1(b)
Dichlorobenzenes (all isomers)	DBX	36	N	E	III		.56-1(a), (b)
1,1-Dichloroethane	DCH	36	N	C	III	V	No
Dichloromethane	DCM	36	N	NF	III		No
2,2-Dichloroethyl ether	DEE	41	N	D	II		.55-1(f)
Dimethylformamide	DMF	10	N	D	III	V	.55-1(e)
Dichloropropene, Dichloropropane mixtures	DMX	15	N		II		No
Dodecyl dimethylamine, Tetradecyl dimethylamine mixture	DOT	7	N	E	III		.56-1(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
1,1-, 1,2-, or 1,3-Dichloropropene	DPS	15	N				
Ethyl acrylate	EAC	14	N	C	III	V	.50-70(a), .50-81(a), (b)
2-Ethylhexyl acrylate	EAI	14	N	E	III		.50-70(a), .50-81(a), (b)
Ethylene dichloride	EDC	36	Y	C	III	V	No
Ethylene glycol propyl ether	EGP	40	N	E	III	V	No
2-Ethyl-3-propylacrolein	EPA	19	Y	E	III		No
Ethylene cyanohydrin	ETC	20	N	E	III	V	No
Ethyl methacrylate	ETM	14	N	C	III	V	.50-70(a)
Furfural	FFA	19	N	E	III		.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	N	NF	III	V	No
Isoprene	IPR	30	N	A	III		.50-70(a), .50-81(a), (b)
Methyl acrylate	MAM	14	N	C	III	V	.50-70(a), .50-81(a), (b)
Methylcyclopentadiene dimer	MCK	30	N	C	III		No
2-Methyl-5-ethylpyridine	MEP	9	N	E	III		.55-1(e)

*** 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 11503

Shipyard: CARUTHERSVI

Official #: D962028

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Hull #: 5410

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				
Methyl methacrylate	MMM	14	N	C	III	V	50-70(a), 50-81(a), (b)
Mesityl oxide	MSO	18	Y	D	III		No
alpha-Methylstyrene	MSR	30	N	D	III		50-70(a), 50-81(a), (b)
Coal tar naphtha solvent	NCT	33	N	D	III		50-73
1- or 2-Nitropropane	NPM	42	N	D	III	V	50-81
1,3-Pentadiene	PDE	30	N	A	III		50-70(a), 50-81
Polyethylene polyamines	PEB	7	Y	E	III		55-1(e)
Perchloroethylene	PER	36	N	NF	III		No
3-Pentenenitrile (crude)	PNT	37	N	D			
Pyridine	PRD	9	N	C	III	V	55-1(e)
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	III		50-73
Sodium hypochlorite solution (15% or less)	SHP	5	N		III		
Styrene (crude)	STX	30	N	C	III	V	No
Styrene	STY	30	N	D	III	V	50-70(a), 50-81(a), (b)
Trichloroethylene	TCL	36	Y		III		No
1,1,2-Trichloroethane	TCM	36	N		III		50-73, 56-1(a)
1,2,3-Trichloropropane	TCN	36	N	E	II		50-73, 56-1(a)
Triethanolamine	TEA	8	Y	E	III		55-1(b)
1,1,2,2-Tetrachloroethane	TEC	36	N	NF	III		No
Triethylamine	TEN	7	N	C	II	T	55-1(a)
Triethylenetetramine	TET	7	Y	E	III		55-1(b)
Tetrahydrofuran	THF	41	N	C	III	V	50-70(b)
Triisopropanolamine	TIP	8	N	E	III		
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)
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)

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.
Compatability 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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Safety valve inspection report

Certificate nr 72
Date 10-16-2020

Job no. LV-6952-SO
Client Kirby Inland Marine
Barge # KIRBY 11503

Valve data

Set pressure (cold) 131 psi
Manufacturer Kunkle
Type / Model 6010HGM01-AM
Serial No. LV-6952-SO-1

Size 1-1/2" x 2"
Rating
Nozzle / Orifice 1-1/2"

Test data

Set pressure test

Found set pressure 129 psi
Reseat pressure (indication) 125 psi
Result Passed
Test method Air
5% diff in sp due to diff btwn air & steam

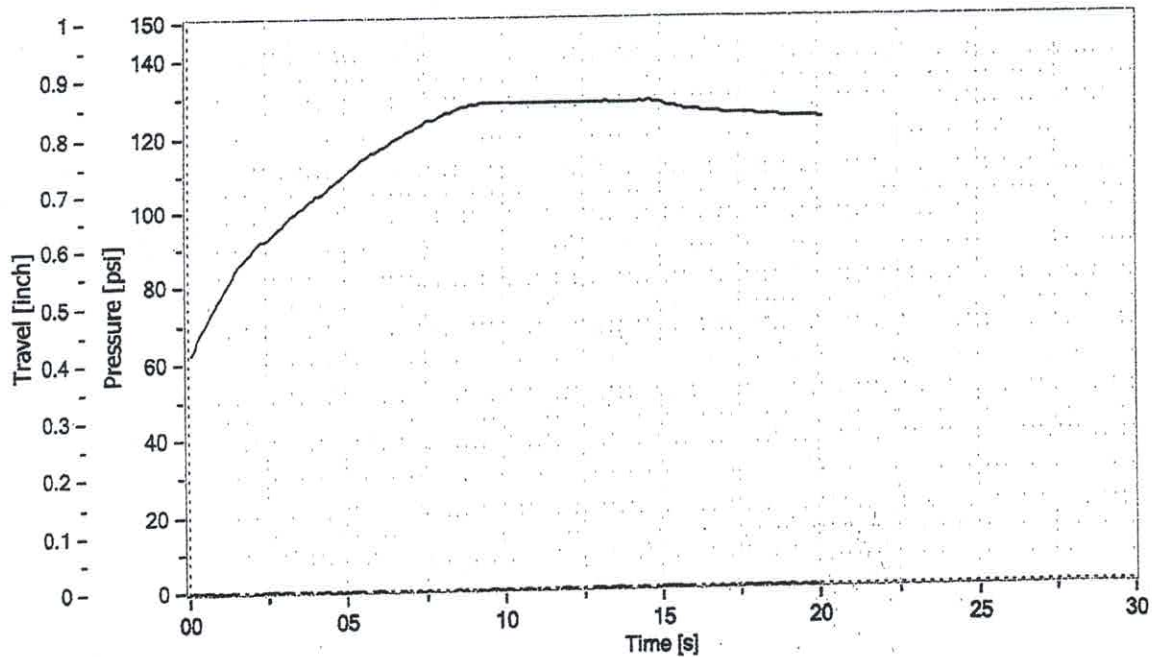
Seat tightness test

Leakage -
Test pressure -
Result -

Manual Backpressure Test

Pressure

Law Valve of Texas



Tested by
Name
Date
Signature

David Theiler
10-16-2020

Inspected by

Name Eduardo A. Perez

Date 10-16-2020

Signature



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

LVT Sales Order LV-6952-SO
Barge Name KIRBY 11503
Work Order # LV-7063-WO

Shop Order & Test Report

Customer: Kirby Inland Marine Order #

Make: Midland Size: 8" Model #: A 883

Serial #: F420 Inlet: 8" 150 Outlet: NA

Construction: P/V Cap: N/A

Set Pressure: 1.0 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: 10-27-2020

Set Pressure: 1.0 psi pressure/0.5 psi vacuum

Nozzle Ring Setting: N/A

Back Pressure: N/A

Tested By: *[Signature]*

Witness/Assy By: Joe Ramirez

U.S. Coast Guard Witness



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

LVT Sales Order LV-6952-SO

Barge Name KIRBY 11503

Work Order LV-7067-WO

Shop Order & Test Report

Customer:	Kirby Inland Marine	Order #	
Make	Kunkle	Size	4" x 4"
Model #		91K-M02	
Serial #	7067-1	Inlet	4"250
Outlet		4"125	
Construction:	Conventional RV	Cap:	Plain
Set Pressure:	125 psi pressure		
Tag:		Orifice:	M
Work Required:	Complete Overhaul	Test Air	
Condition Received:	Good		

General Condition Pre-repair

Inlet	Dirty
Seats	Dirty
Guide	Dirty
Outlet	Dirty

Spring	Good Cond.	Installed Gaskets
Work	ST	
Repairs		

Parts replaced and other work:

Final Test Report

Date 10-22-2020

Set Pressure 125 psi pressure

Nozzle Ring Setting N/A

Back Pressure 30 PSI

Tested By: [Signature]

Witnessed/Assy: [Signature]

U.S. Coast Guard Witness _____