



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

Certification Date:	16 Dec 2019
Expiration Date:	16 Dec 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 21857	510479			Tank Barge

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

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
HOUSTON, TX UNITED STATES	15Dec1967	05Jun1967	R-2424	R-2424		R-295.0

Owner	Operator
KIRBY INLAND MARINE LP 55 WAUGH DR STE 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---

This vessel has been granted a fresh water service examination interval per 46 CFR 31.10-21(a). 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 Program (TBSIP). Inspection activities aboard this barge shall be conducted per its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCMI Houston-Galveston.

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur 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:  J.J. ANDREW, CDR, USCG, By direction Officer in Charge, Marine Inspection Marine Safety Unit Port Arthur Inspection Zone
Date	Zone	A/P/R	Signature	



Temporary Certificate of Inspection

Vessel Name: KIRBY 21857

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Dec2029	16Dec2019	18Feb2009
Internal Structure	31Dec2024	16Dec2019	03Apr2014

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

Authorization: LFG & Specified hazardous cargoes

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
21819	Barrels	LFG	Yes	No	No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
P/S		5.69

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II		0ft 0in	5.69	

Conditions Of Carriage*

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment CAA), serial # VN-80008818, dated 02OCT00, may be carried. The specified hazardous cargoes may be carried only in the tanks indicated.

Inspected and approved for the carriage of refrigerated ANHYDROUS AMMONIA at a pressure not to exceed 20 PSI and at a temperature not less than -30 degrees Fahrenheit.

STABILITY & TRIM

The max. tank weights listed below 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.

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
P/S	03Apr2014	16Dec2019	31Dec2027	03Apr2014	16Dec2019	31Dec2022

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
P/S	28Oct2019	-	-	-

--- Fire Fighting Equipment ---

Fire Extinguishers - Hand portable and semi-portable

Quantity	Class Type
2	40-B:C



Temporary Certificate of Inspection

essel Name: KIRBY 21857

END



Certificate of Inspection

Cargo Authority Attachment

Vessel Name KEX 2504
Official #: D510479

Page 1 of 1

Shipyards: WYATT INDUS
Hull #: 0258

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's of Construction
		Group No	Exc				
Ammonia, anhydrous	AMA	6	N	LCG	II		50-30, 50-32
Ammonia, anhydrous	AMA	6	N	LCG	II		40-1(b)(1), 50-30, 50-32

Authorized Subchapter O Cargoes

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

Safety valve inspection report

Certificate nr 508
Date 11-15-2019

Job no. LV-3076-SO
Client Kirby

Valve data

Set pressure (cold) 125 psi
Tag. No.
Serial No. 1-62032
Manufacturer Kunkle
Type / Model 911BGHN0M01AKE

Size 2x2
Rating 1355SCFM
Nozzle / Orifice 2
Fluid Air
Barge # K21857

Test data

Set pressure test

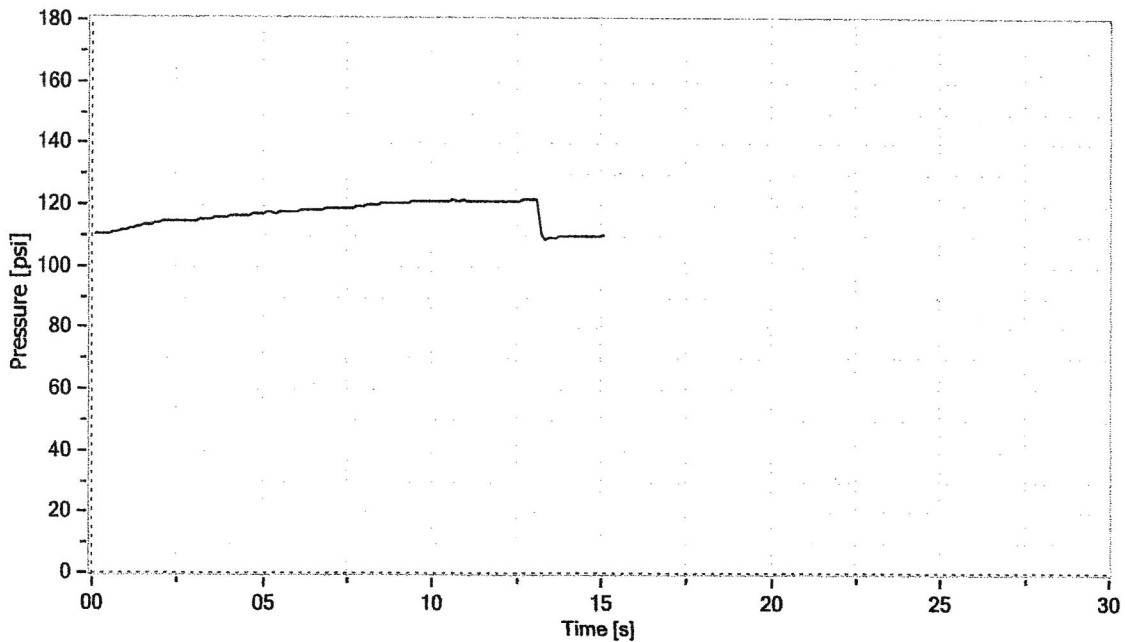
Found set pressure 122 psi
Reseat pressure (indication) 110 psi
Result Passed
Test method Air

Seat tightness test

Leakage 0 bubbles/min.
Test pressure 113 psi
Result Passed

Manual Back Pressure test

BP Pressure 30 psi
BP Result Passed



Tested by
Name Javier Gutierrez
Date
Signature

Inspected by
Name
Date
Signature

Safety valve inspection report

Certificate nr 482
Date 10-23-2019

Job no. LV-3076-S0
Client Kirby

Valve data

Set pressure (cold) 20 psi
Tag. No. Change pressure from 25 psi to 20 psi
Serial No. 509422-4-A14
Manufacturer Kirby
Type / Model 26QA10L-120S4-SP

Size 6xQx8
Rating 150x150
Nozzle / Orifice Q
Fluid Air
Barge # K21857

Test data

Set pressure test

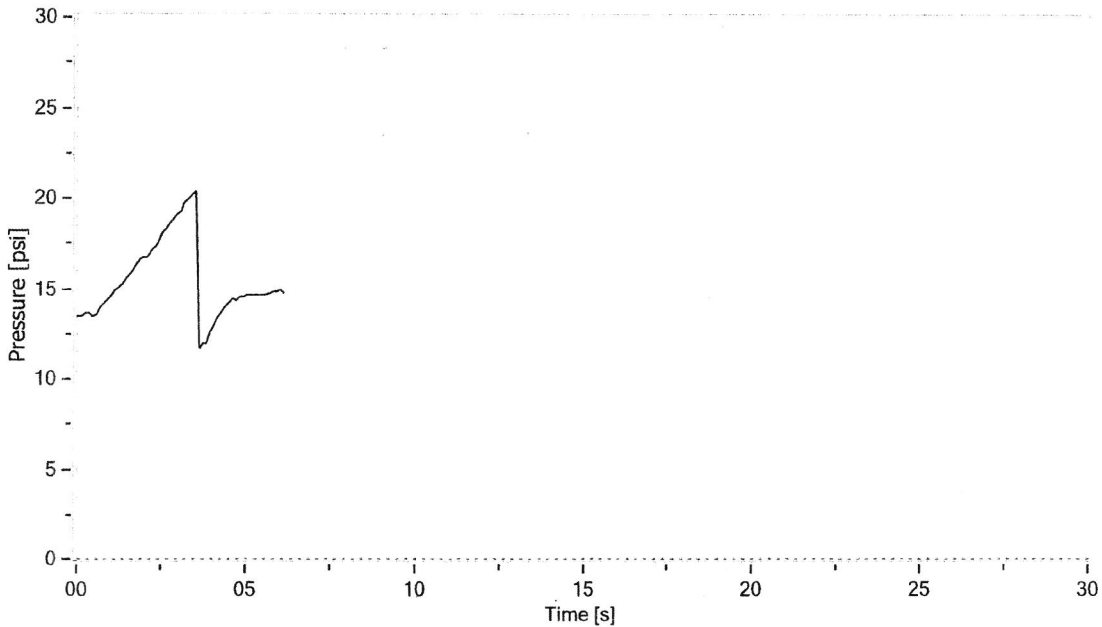
Found set pressure 20 psi
Reseat pressure (indication) 15 psi
Result Passed
Test method Air

Seat tightness test

Leakage 0 bubbles/min.
Test pressure 18 psi
Result Passed

Manual Back Pressure test

BP Pressure 30 psi
BP Result Passed



Tested by
Name Javier Gutierrez
Date 10-28-19
Signature *[Signature]*

Inspected by
Name *Lothar Kise*
Date 28 OCT 19
Signature *[Signature]*

Safety valve inspection report

Certificate nr 483
Date 10-23-2019

Job no.
Client

LV-3076-SO
Kirby

Valve data

Set pressure (cold) 20 psi
Tag. No. Change pressure from 25 psi to 20 psi
Serial No. 509422-2-A14
Manufacturer Kirby
Type / Model 26QA10L-120S4-SP

Size 6xQx8
Rating 150x150
Nozzle / Orifice Q
Fluid Air
Barge # K21857

Test data

Set pressure test

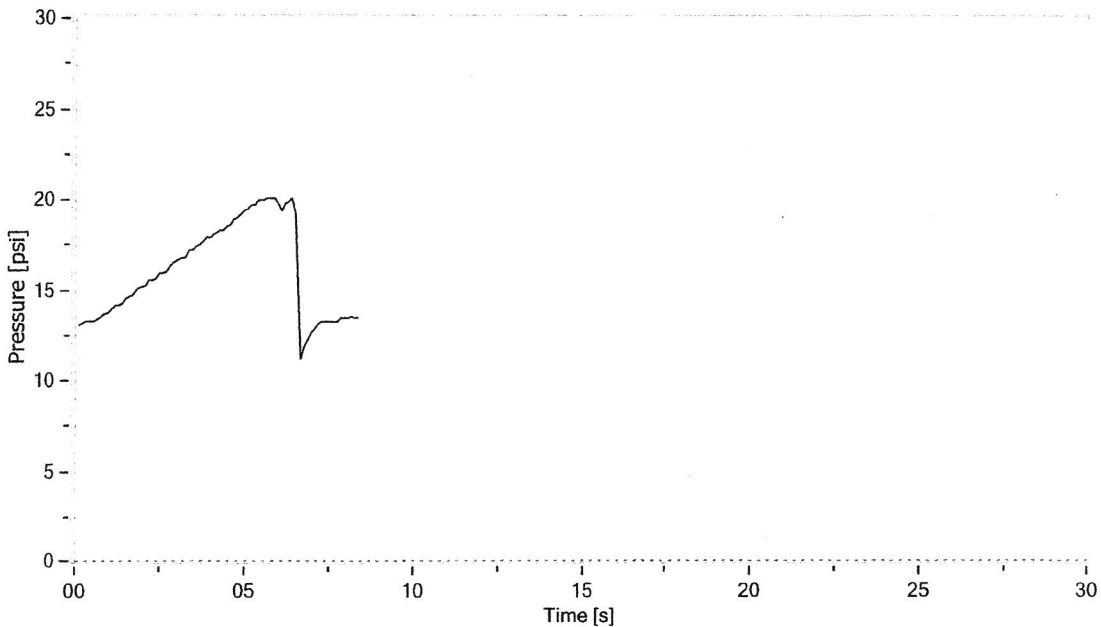
Found set pressure 20 psi
Reseat pressure (indication) 14 psi
Result Passed
Test method Air

Seat tightness test

Leakage 0 bubbles/min.
Test pressure 18 psi
Result Passed

Manual Back Pressure test

BP Pressure 30 psi
BP Result Passed



Tested by
Name Javier Gutierrez
Date 10-28-19
Signature *JG*

Inspected by
Name *Loyan Kise*
Date 28 OCT 19
Signature *LK*

Safety valve inspection report

Certificate nr 484
Date 10-23-2019

Job no. LV-3076-SO
Client Kirby

Valve data

Set pressure (cold)	20 psi	Size	6xQx8
Tag. No.	Change pressure from 25 psi to 20 psi	Rating	150x150
Serial No.	509422-3-A14	Nozzle / Orifice	Q
Manufacturer	Farris	Fluid	Air
Type / Model	26QA10L-120S4-SP	Barge #	K21857

Test data

Set pressure test

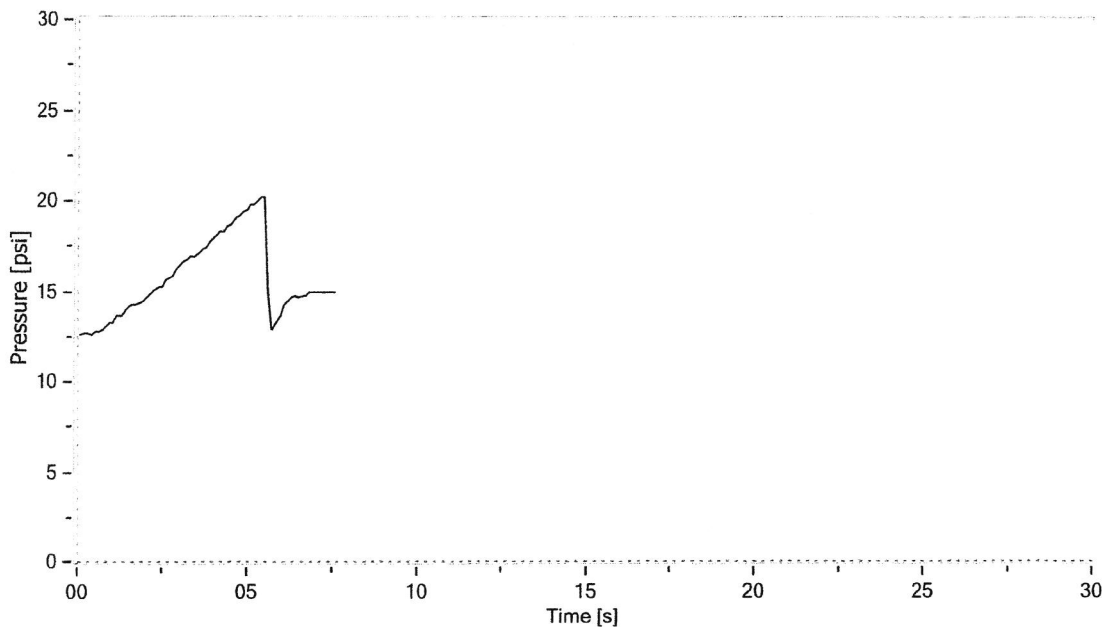
Found set pressure 20 psi
Reseat pressure (indication) 15 psi
Result Passed
Test method Air

Seat tightness test

Leakage 0 bubbles/min.
Test pressure 18 psi
Result Passed

Manual Back Pressure test

BP Pressure 30 psi
BP Result Passed



Tested by
Name Javier Gutierrez
Date 10-28-19
Signature *JG*

Inspected by
Name Logan Kise
Date 28 OCT 19
Signature *LK*

Safety valve inspection report

Certificate nr	481	Job no.	LV-3076-S0
Date	10-23-2019	Client	Kirby

Valve data

Set pressure (cold)	20 psi	Size	6xQx8
Tag. No.	Change pressure from 25 psi to 20 psi	Rating	150x150
Serial No.	509421-4-A14	Nozzle / Orifice	Q
Manufacturer	Farris	Fluid	Air
Type / Model	26QA10L-120S4-A14	Barge #	K21857

Test data

Set pressure test

Found set pressure	20 psi
Reseat pressure (indication)	17 psi
Result	Passed
Test method	Air

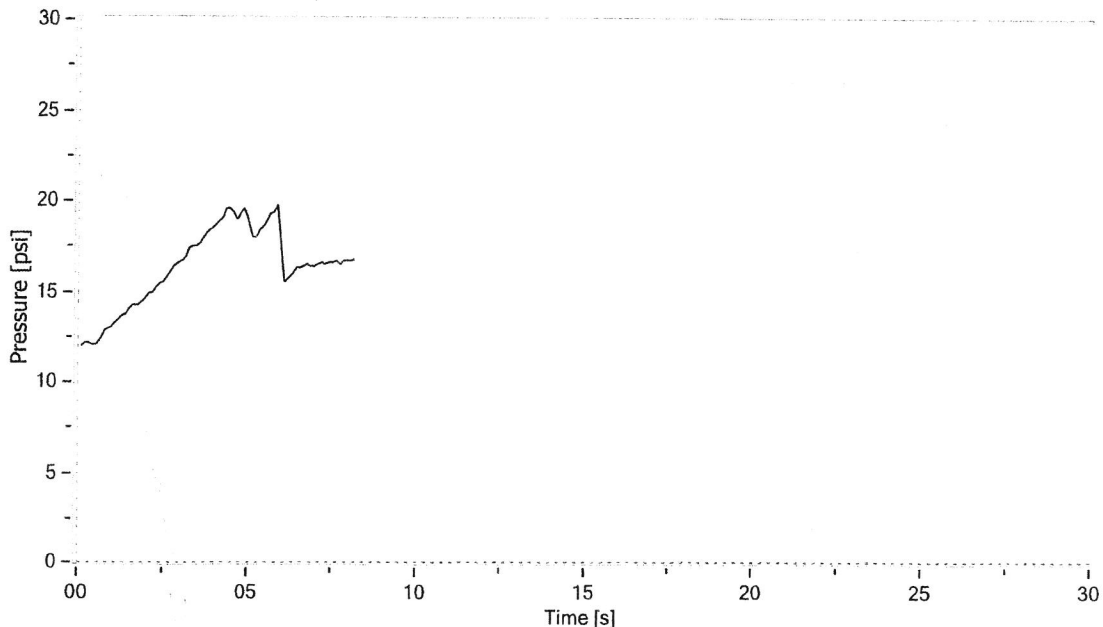
Seat tightness test

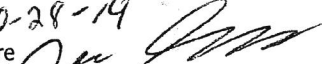
Leakage	0 bubbles/min.
Test pressure	18 psi
Result	Passed

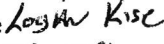
Manual Back Pressure test

BP Pressure	30 psi
BP Result	Passed

Law Valve of Texas



Tested by
Name Javier Gutierrez
Date 10-28-19
Signature 

Inspected by
Name  Kise
Date 28 OCT 19
Signature 