



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

Certification Date:	11 Oct 2021
Expiration Date:	11 Oct 2022

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 16804	979279			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
HOUSTON, TX	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
CARUTHERSVILLE MO	11Oct1991	01May1991	R-1179	R-1179		R-260.0
UNITED STATES			I-	I-		I-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 plus Limited Coastwise---

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

This tank barge is participating in the Eight Coast Guard district's Tank Barge Streamlined Inspection Program

*****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: <i>K. A. Hantal</i> K. A. Hantal, 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 16804

(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 the OCMI Houston-Galveston.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Oct2026	11Oct2016	12Dec2011
Internal Structure	31Oct2026	26Jan2022	11Oct2016

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

Authorization: LFG AND SPECIFIED HAZARDOUS CARGOES.

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
16253	Barrels	LFG	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&2 (BDI)	835	5.200
1&2 (BUT)	767	4.800
1&2 (BTN)	793	4.960
1&2 (IBL)	797	5.000
1&2 (PRP, PPM)	639	4.200
1&2 (PPL)	668	4.300
1&2 (IBT, BMX)	739	4.700

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN91004874, dated 10OCT01, 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 reactive group number from the "Compat Group No" column listed in the vessel's CAA.

Inspected and approved for the carriage of specified Liquefied Flammable Gases (LFG) at a pressure not to exceed 260 PSIG relief valve setting and at temperatures not less than ambient (0-115 degrees F).

Loading Constraints - Stability

Hull Type	Max Load (S/T)	Max Draft (ft/in)	Max Density (lbs/gal)	Route
II (BDI)	1671	8'5"	5.2	LBS, R, LC (0-12)
II (BUT)	1535	8'1"	4.8	LBS, R, LC (0-12)
II (IBT, BMX)	1478	7'11"	4.7	LBS, R, LC (0-12)
II (BTN)	1578	8'2"	4.96	LBS, R, LC (0-12)
II (IBL)	1595	8'3"	5.0	LBS, R, LC (0-12)
II (PRP, PPM)	1279	7'4"	4.2	LBS, R, LC (0-12)
II (PPL)	1326	7'6"	4.3	LBS, R, LC (0-12)



Temporary Certificate of Inspection

Vessel Name: KIRBY 16804

Mixtures of the Subchapter "D" LFG cargoes Butane (BTN), Isobutane (IBT), Butylene (BUT), Propane (PRP) and Propylene (PPL) are authorized for carriage subject to the loading and stability constraints of the least dense gas cargo in the mixture specified above.

Mixtures of Subchapter "O" and "D" LFG cargoes not specified above must be approved by CG-ENG-5 prior to being authorized for carriage.

Propylene, Propane, MAPP gas mixture (PPM) is the only Subchapter "O" and "D" LFG mixture authorized.

No other cargoes may be carried when PPM is carried unless the PPM piping system is separated from the other cargo piping system.

SPECIAL SEASONAL LOADING CONSTRAINTS

Vessel authorized special seasonal loading constraints for the carriage of PPL not to exceed 98% of cargo tank capacity and in accordance with operating procedures approved by MSO New Orleans letter serial #16711 dated 02MAY96.

STABILITY AND TRIM

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.

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1&2 (BDI)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (BUT)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (BTN)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (IBL)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (PRP, PPM)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (PPL)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026
1&2 (IBT, BMX)	12Dec2011	11Oct2016	31Oct2026	11Oct2016	26Jan2022	31Oct2026

Hydro Test

Tank Id	Safety Valves	Previous		
		Last	Next	Next
1&2 (BDI)	13Jan2022	-	-	-
1&2 (BUT)	13Jan2022	-	-	-
1&2 (BTN)	13Jan2022	-	-	-
1&2 (IBL)	13Jan2022	-	-	-
1&2 (PRP, PPM)	13Jan2022	-	-	-
1&2 (PPL)	13Jan2022	-	-	-
1&2 (IBT, BMX)	13Jan2022	-	-	-

---Lifesaving Equipment---

Total Equipment for 0 Persons

Primary Lifesaving Equipment	Quantity	Capacity	Required
Lifeboats (Total)	0	0	0
Life Preservers (Adult)			0



Temporary Certificate of Inspection

Vessel Name: KIRBY 16804

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
1	B-II

END



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 16804
Official #: D979279

Page 1 of 1

Shipyard: CARUTHERSVI
Hull #: 5492

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'l's of Construction
		Group No	Exc				

Authorized Subchapter O Cargoes

Butadiene	BDI	30	N	LFG	II		.50-70(a), .50-73
Propylene, Propane, MAPP gas mixture (containing 12% orless MAPP gas)	PPM	30	Y	LFG	III		

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.
Compatiblity 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 1563
Date 01-07-2022

Job no. LV-9525-WO
Client KIRBY INLAND MARINE
Barge # KIRBY-16804

Set pressure (cold) 260 psi
Manufacturer CONSOLIDATED
Type / Model 1910Q
Serial No. TE48871

Valve data

Size 6XQX8
Rating 300X150
Nozzle / Orifice Q

Test data

Set pressure test

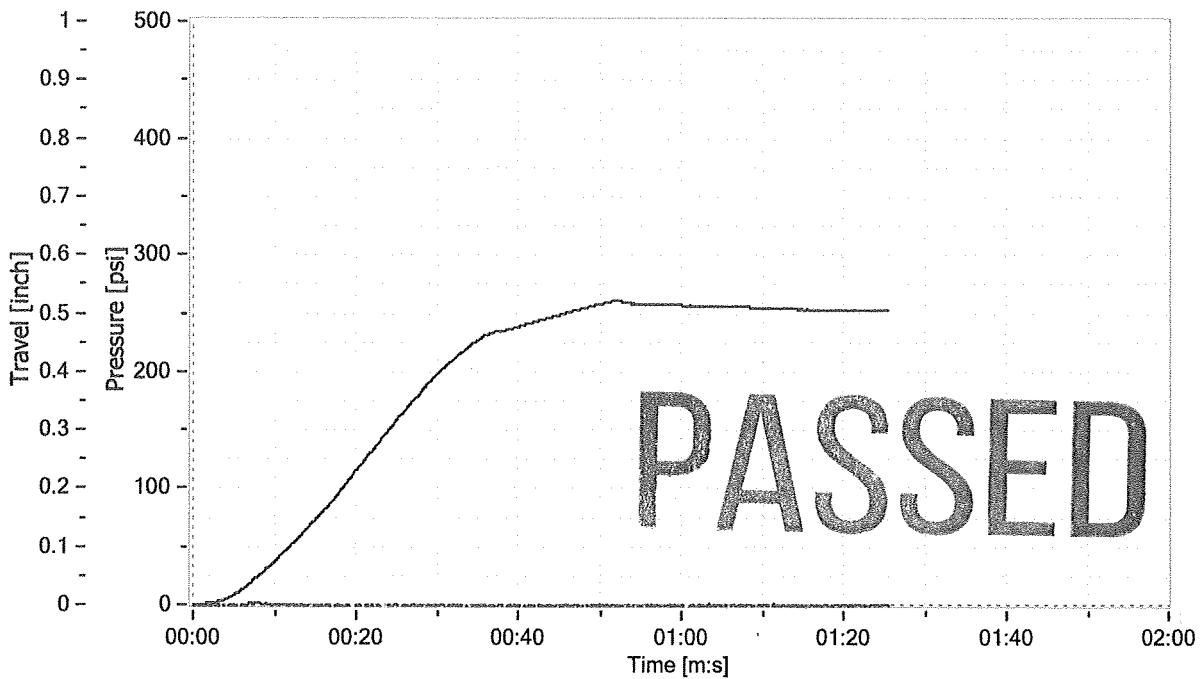
Found set pressure 260 psi
Reseat pressure (indication) 252 psi
Result Passed
Test method AIR

Seat tightness test

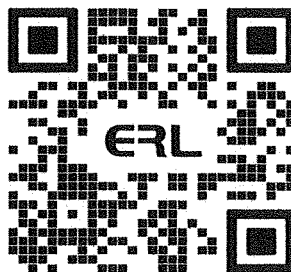
Leakage 0 bubbles/min.
Test pressure 235 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name

EDUARDO PEREZ

Date 1-7-22

Signature

Inspected by

Name

Date

Signature

JONATHAN W. BEAL
13 JAN 22

Safety valve inspection report

Certificate nr 1562
Date 01-07-2022

Job no. LV-9525-WO
Client KIRBY INLAND MARINE
Barge # KIRBY-16804

Set pressure (cold) 260 psi
Manufacturer CONSOLIDATED
Type / Model 1910Q
Serial No. TC31607

Valve data

Size 6XQX8
Rating 300X150
Nozzle / Orifice Q

Set pressure test

Found set pressure 259 psi
Reseat pressure (indication) 255 psi
Result Passed
Test method AIR

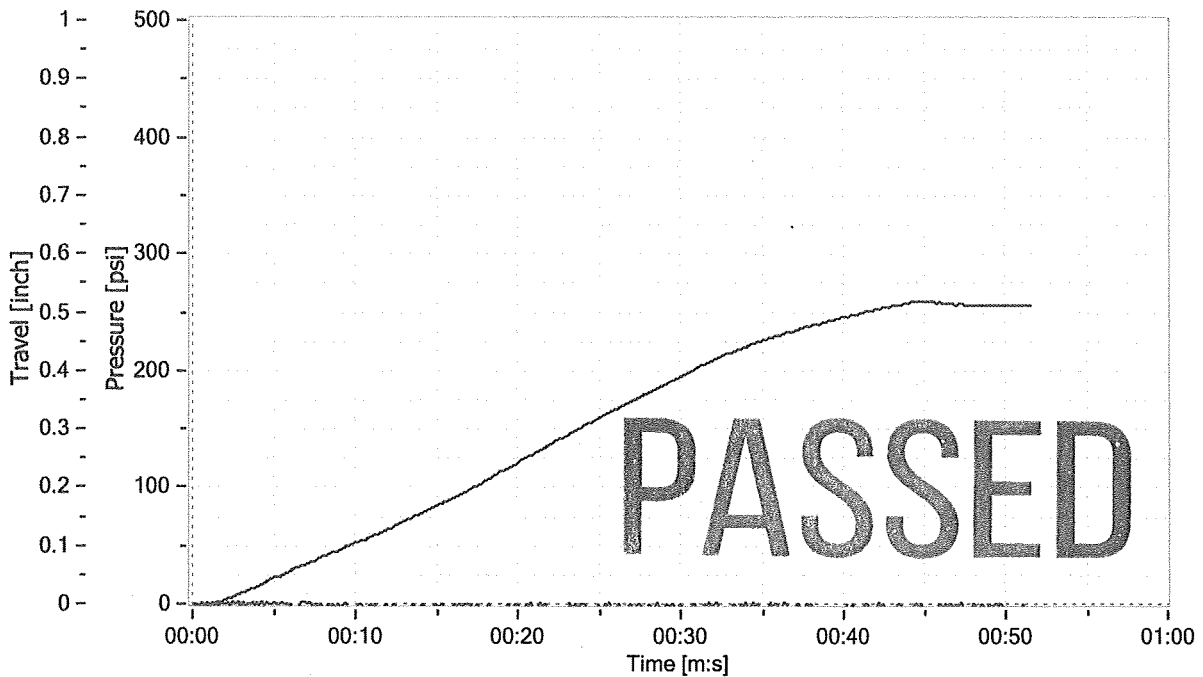
Test data

Seat tightness test

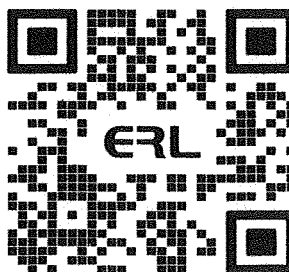
Leakage 0 bubbles/min.
Test pressure 234 psi
Result Passed

Backpressure test

Pressure 30 psi
Result Passed



INTERLINK



Tested by

Name

EDUARDO PEREZ

Date 1-7-22

Signature

Inspected by

Name

Date 1-3-22

Signature

Safety valve inspection report

Certificate nr 1564
Date 01-07-2022

Job no. LV-9525-WO
Client KIRBY INLAND MARINE
Barge # KIRBY-16804

Set pressure (cold) 260 psi
Manufacturer CONSOLIDATED
Type / Model 1910Q
Serial No. TC55205

Valve data

Size 6XQX8
Rating 300X150
Nozzle / Orifice Q

Test data

Set pressure test

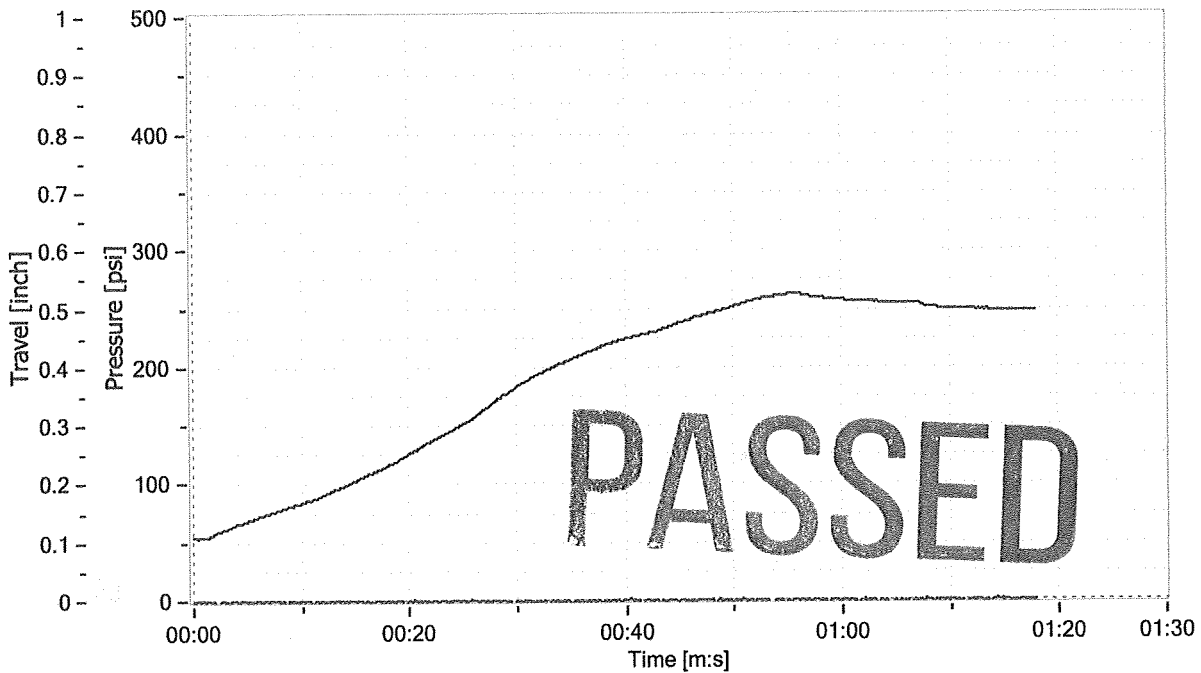
Found set pressure 262 psi
Reseat pressure (indication) 248 psi
Result Passed
Test method AIR

Seat tightness test

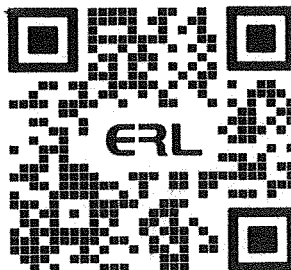
Leakage 0 bubbles/min.
Test pressure 235 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name

EDUARDO PEREZ

Date 1-7-22

Signature

Inspected by

Name

Date

Signature

CWO Cory Arend

13 Jan 2022

CA

Safety valve inspection report

Certificate nr 1588
Date 01-13-2022

Job no. LV-9525-WO
Client KIRBY INLAND MARINE
Barge # KIRBY 16804

Set pressure (cold) 260 psi
Manufacturer CONSOLIDATED
Type / Model 1910Q
Serial No. 79C3396

Valve data

Size 6XQX8
Rating 300X150
Nozzle / Orifice Q

Set pressure test

Found set pressure 263 psi
Reseat pressure (indication) 260 psi
Result Passed
Test method AIR

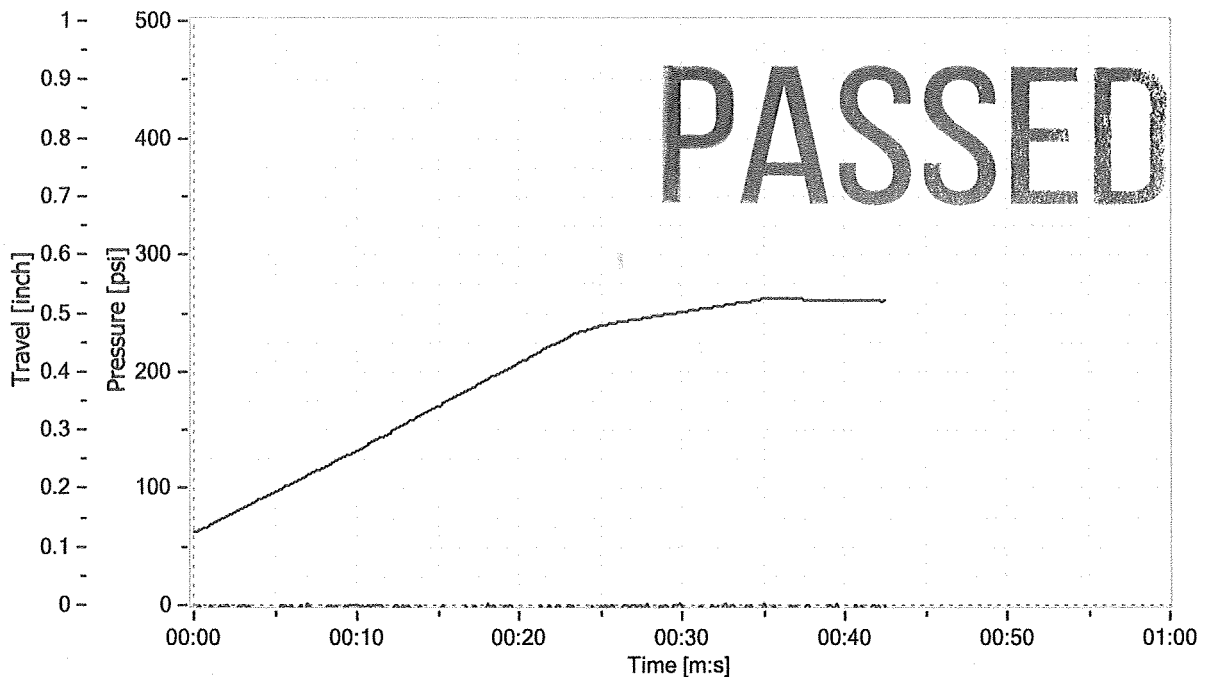
Test data

Seat tightness test

Leakage 0 bubbles/min.
Test pressure 239 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



Tested by
Name
Date
Signature

DAVID THEILER

1-13-21

Inspected by *MSTC JOHN LOOMAY 426*
Name
Date
Signature

1/13/2021

Law Valve of Texas

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

LVT Sales Order LV-9592-SO

Barge Name KIRBY 16804

LVT Work Order LV-9522-WO

Shop Order & Test Report

Customer: Kirby Inland Marine Order #

Make WKM Size 6" Model # B5313-02-F02-13/00

Serial # 9522-1 THRU 4 Inlet 6" 300 Outlet 6" 300

Constrution: N/A Cap: N/A

MOP: 740PSI

Tag: Orifice: N/A

Work Required: Complete Overhaul

Condition Received: Good

General Condition Pre-repair

Inlet Dirty
Seats Fouled
Guide
Outlet Dirty

Spring
Work ST
Repairs

Parts replaced and other work: Shell Test to 1100 PSI Hydro

Seat Test to 80 PSI Air

Final Test Report

Date 1/14/2022

Shell Test @ 1100 PSI PASS

Seat Test @ 80 PSI PASS

Tested By:  Witnessed By: 

U.S. Coast Guard Witness

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

LVT Sales Order LV-9592-SO

Barge Name KIRBY 16804

LVT Work Order LV-9523-WO

Shop Order & Test Report

Customer:	Kirby Inland Marine		Order #		
Make	WKM	Size	8"	Model #	B5313-02-F02-13/00
Serial #	9523-1 THRU 10	Inlet	8" 300	Outlet	8" 300
Constrution:	N/A	Cap:	N/A		
MOP:	740PSI				
Tag:		Orifice:	N/A		
Work Required:	Complete Overhaul				
Condition Received:	Good				

General Condition Pre-repair

Inlet	Dirty	Spring	
Seats	Fouled	Work	ST
Guide		Repairs	
Outlet	Dirty		

Parts replaced and other work: Shell Test to 1100 PSI Hydro
Seat Test to 80 PSI Air

Final Test Report

Date 1/14/2022
 Shell Test @ 1100 PSI PASS
 Seat Test @ 80 PSI PASS
 Tested By: [Signature] Witnessed By: [Signature]

U.S. Coast Guard Witness _____

Law Valve of Texas

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

LVT Sales Order LV-9592-SO

Barge Name KIRBY 16804

LVT Work Order LV-9524-WO

Shop Order & Test Report

Customer: Kirby Inland Marine Order #

Make WKM Size 10" Model # B5313-02-F02-13/00

Serial # 9524-1 THRU 5 Inlet 10" 300 Outlet 10" 300

Construction: N/A Cap: N/A

MOP: 740PSI

Tag: Orifice: N/A

Work Required: Complete Overhaul

Condition Received: Good

General Condition Pre-repair

Inlet Dirty
Seats Fouled
Guide
Outlet Dirty

Spring
Work ST
Repairs

Parts replaced and other work: Shell Test to 1100 PSI Hydro

Seat Test to 80 PSI Air

Final Test Report

Date 1/14/2022

Shell Test @ 1100 PSI PASS

Seat Test @ 80 PSI PASS

Tested By: 

Witnessed By: 

U.S. Coast Guard Witness

Safety valve inspection report

Certificate nr 1583
Date 01-12-2022

Job no. LV-9526-WO
Client KIRBY INLAND MARINE
Barge # KIRBY-16804

Set pressure (cold) 480 psi
Manufacturer CONSOLIDATED
Type / Model 19096MCF-2
Serial No. J-16-003801

Valve data

Size 1XXM1
Rating 150X150
Nozzle / Orifice M

Test data

Set pressure test

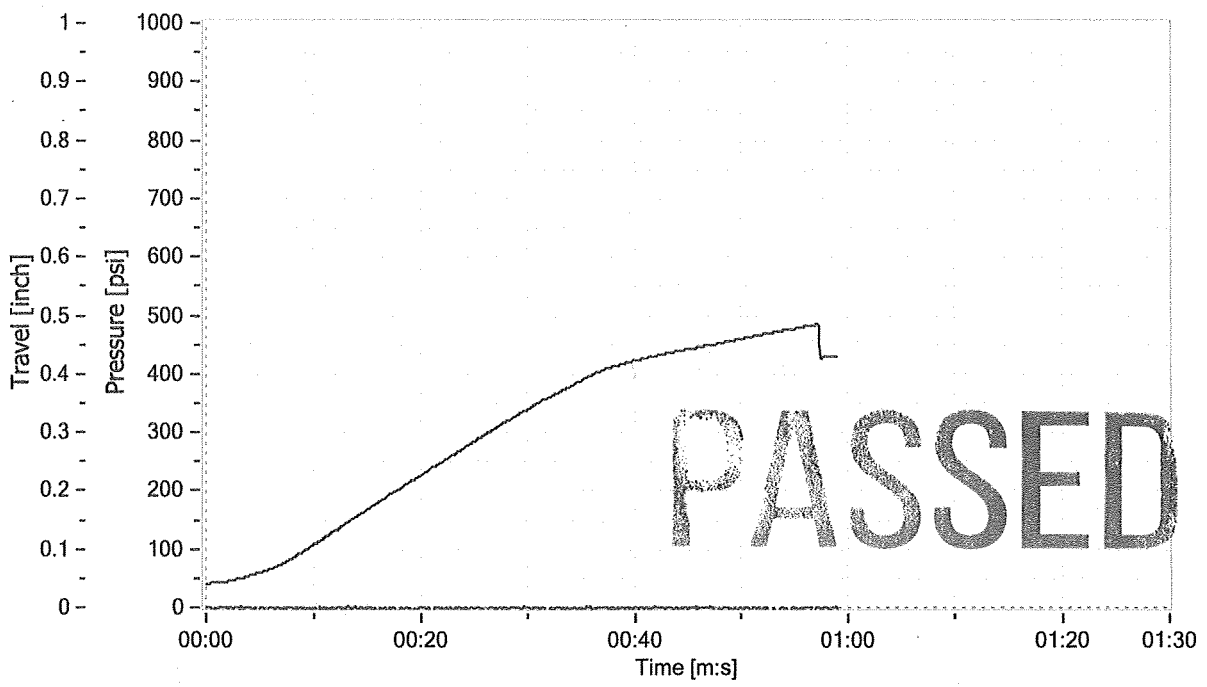
Found set pressure 484 psi
Reseat pressure (indication) 431 psi
Result Passed
Test method AIR

Seat tightness test

Leakage 0 bubbles/min.
Test pressure 432 psi
Result Passed

Backpressure test

Pressure 30 psi
Result Passed



Tested by
Name EDUARDO PEREZ
Date 1-12-22
Signature *Eduardo Perez*

Inspected by
Name Hope Borders
Date 01-12-2022
Signature *Hope Borders*

Safety valve inspection report

Certificate nr 1582
Date 01-12-2022

Job no. LV-9526-WO
Client KIRBY INLAND MARINE
Barge # KIRBY-16804

Set pressure (cold) 480 psi
Manufacturer CONSOLIDATED
Type / Model 19096MCF-2
Serial No. J-16-003802

Valve data

Size 1XMX1
Rating 150X150
Nozzle / Orifice M

Test data

Set pressure test

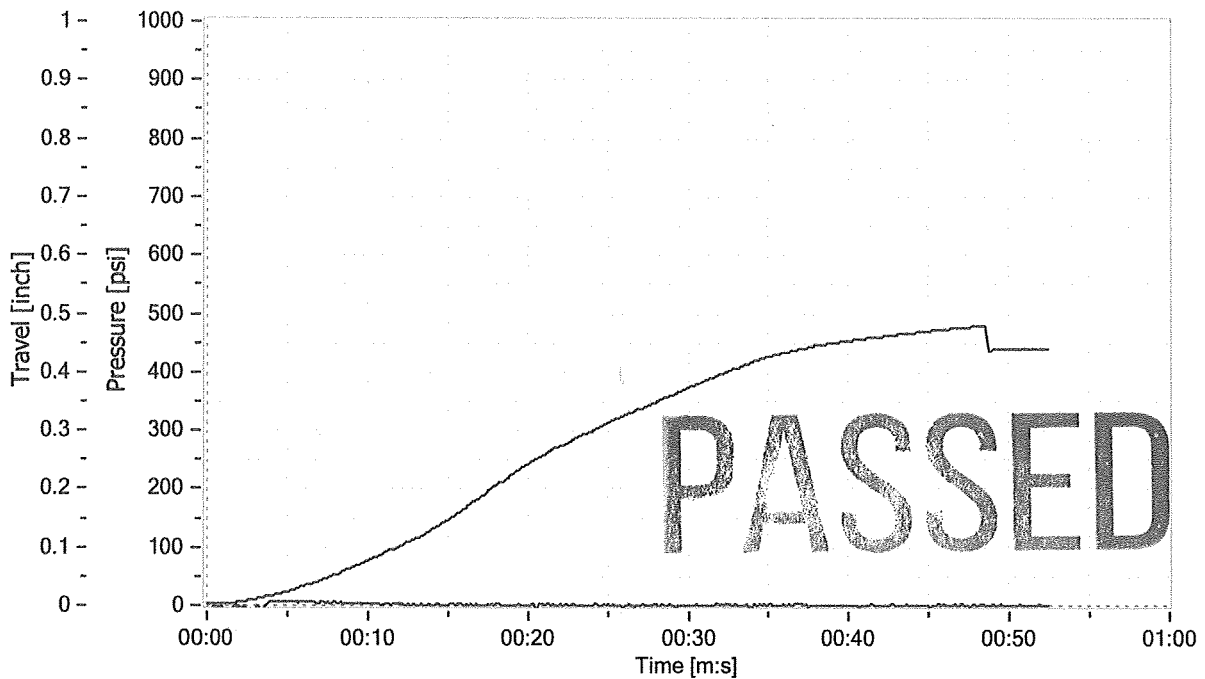
Found set pressure 480 psi
Reseat pressure (indication) 441 psi
Result Passed
Test method AIR

Seat tightness test

Leakage 0 bubbles/min.
Test pressure 432 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name EDUARDO PEREZ

Date 1-12-22

Signature

Inspected by

Name Hope Borders

Date 01-12-2022

Signature

Safety valve inspection report

Certificate nr 1581
Date 01-12-2022

Job no. LV-9526-WO
Client KIRBY INLAND MARINE
Barge # KIRBY-16804

Set pressure (cold) 480 psi
Manufacturer CONSOLIDATED
Type / Model 19096MCF-2
Serial No. J-16-003798

Valve data

Size 1XM1
Rating 150X150
Nozzle / Orifice M

Set pressure test

Found set pressure 483 psi
Reseat pressure (indication) 438 psi
Result Passed
Test method AIR

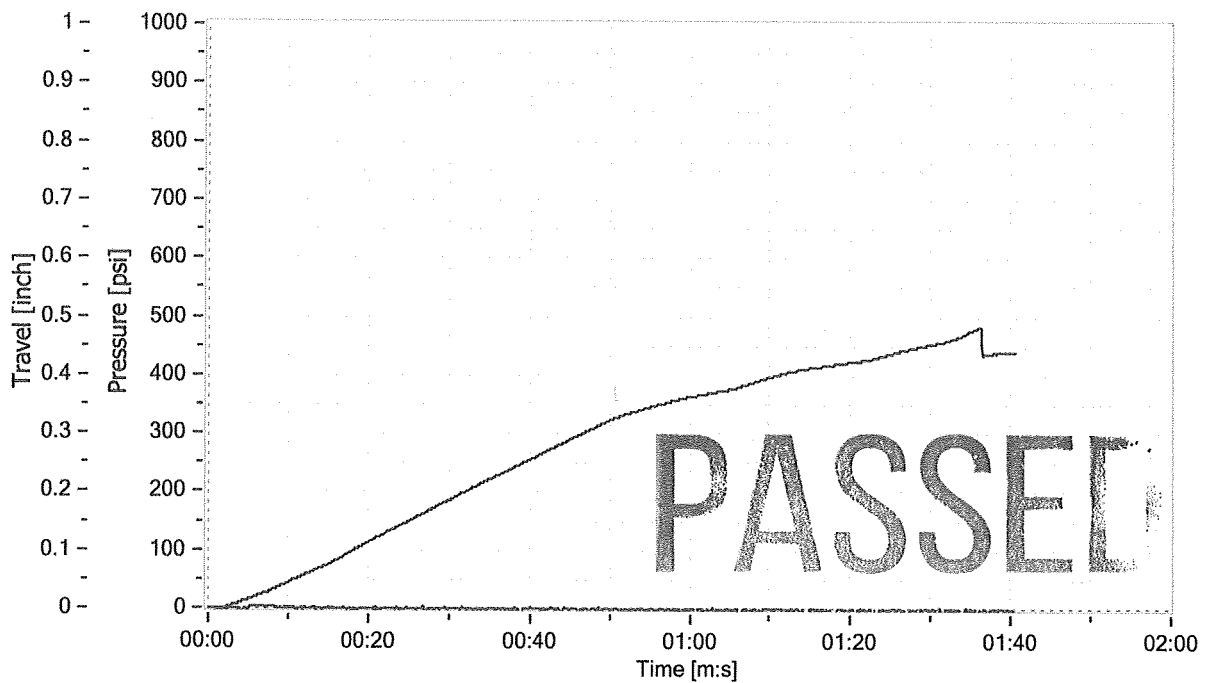
Test data

Seat tightness test

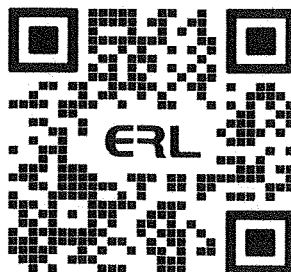
Leakage 0 bubbles/min.
Test pressure 432 psi
Result Passed

Backpressure test

Pressure 33 psi
Result Passed



INTERLINK



Tested by

Name EDUARDO PEREZ

Date 1-12-22

Signature

Inspected by

Name Hope Borders

Date 01-12-2022

Signature

Safety valve inspection report

Certificate nr 1580
Date 01-12-2022

Job no. LV-9526-WO
Client KIRBY INLAND MARINE
Barge # KIRBY-16804

Set pressure (cold) 480 psi
Manufacturer CONSOLIDATED
Type / Model 19096MCF-2
Serial No. J-16-003799

Valve data

Size 1XM1
Rating 150X150
Nozzle / Orifice M

Set pressure test

Found set pressure 481 psi
Reseat pressure (indication) 442 psi
Result Passed
Test method AIR

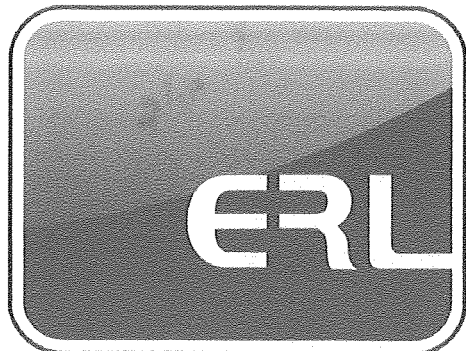
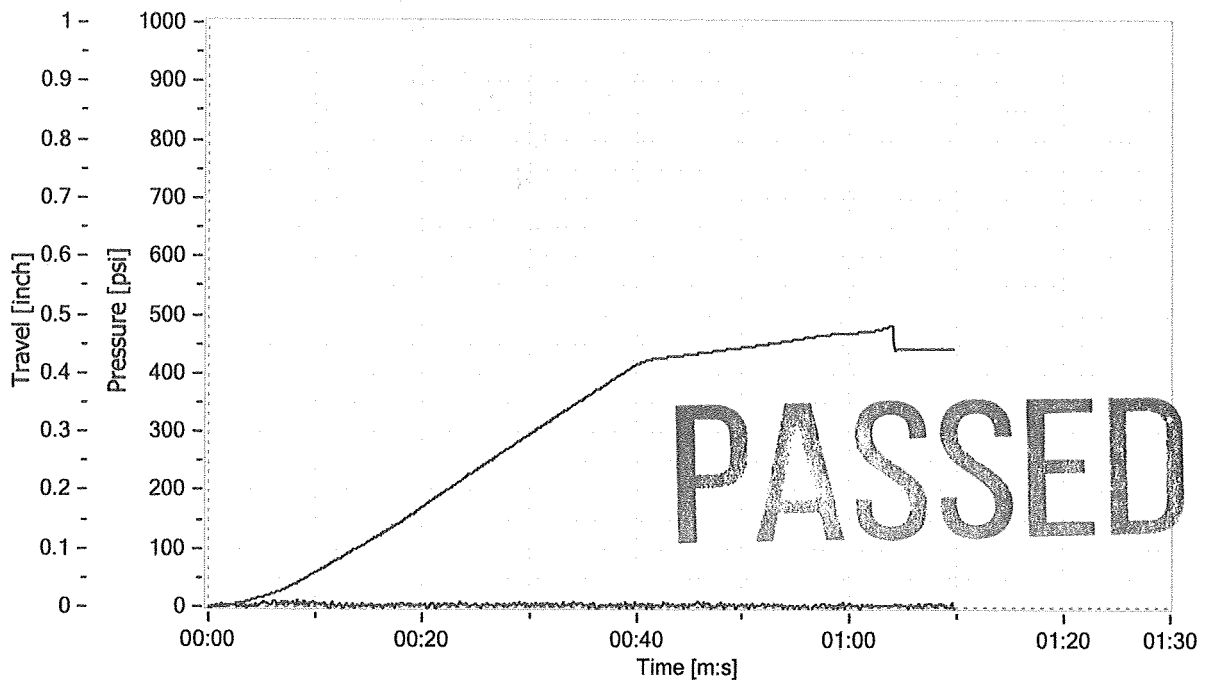
Test data

Seat tightness test

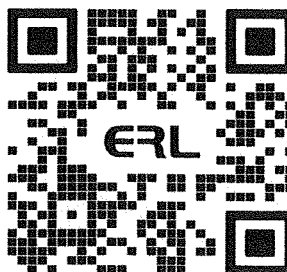
Leakage 0 bubbles/min.
Test pressure 432 psi
Result Passed

Backpressure test

Pressure 32 psi
Result Passed



INTERLINK



Tested by

Name EDUARDO PEREZ

Date 1-12-22

Signature

Inspected by

Name Hope Borders

Date 01-12-2022

Signature

Hope Bords