



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

Certification Date: 15 Sep 2021

Expiration Date: 15 Sep 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 17847	1231680			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
HOUMA, LA	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
MORGAN CITY, LA	11May2011	18Aug2010	R-1200 I-1679	R-1200 I-505		R-227.9 I-227.9
UNITED STATES						

Owner	Operator
KIRBY INLAND MARINE LP 18350 MARKET ST CHANNELVIEW, TX 77530 UNITED STATES	KIRBY INLAND MARINE, LP 18350 Market Street 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:

**---Oceans---**

NOT AN INTERNATIONAL VOYAGE.

THIS VESSEL HAS BEEN GRANTED A FRESH WATER SERVICE EXAMINATION INTERVAL IN ACCORDANCE WITH 46 CFR TABLE 31.10-21(B); IF THIS VESSEL IS OPERATED IN SALT WATER MORE THAN SIX(6) MONTHS IN ANY TWELVE(12) MONTH PERIOD, THE VESSEL MUST BE INSPECTED USING SALT WATER INTERVALS AND THE COGNIZANT OCMI NOTIFIED IN WRITING AS SOON AS THIS CHANGE IN STATUS OCCURS.

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

**\*\*\*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			
Date	Zone	A/P/R	Signature

This certificate issued by: *Karima A. Hantal* <sup>OC</sup>  
Karima A. Hantal, Commander  
 Officer in Charge, Marine Inspection  
 Marine Safety Unit Port Arthur  
 Inspection Zone



# Temporary Certificate of Inspection

Vessel Name: KIRBY 17847

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	30Sep2031	15Sep2021	11May2011
Internal Structure	30Sep2026	15Sep2021	16May2016

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

Authorization: Liquified Flammable Gas

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
17381	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)
Port & Starboard	898	5.228

### \*Conditions Of Carriage\*

INSPECTED AND APPROVED FOR THE CARRIAGE OF LIQUIFIED FLAMMABLE GASES (LFGS) AT A PRESSURE NOT TO EXCEED 265 PSIG AND AT TEMPERATURES NOT LESS THAN AMBIENT. THOSE LFGS THAT HAVE BEEN AUTHORIZED FOR CARRIAGE ARE IDENTIFIED BY THEIR CHRIS CODE IN THE LOADING CONSTRAINTS BELOW.

MIXTURES OF THE SUBCHAPTER D LIQUIFIED FLAMMABLE GAS CARGOES LISTED BELOW ARE ALSO AUTHORIZED FOR CARRIAGE SUBJECT TO THE LOADING AND STABILITY CONSTRAINTS OF THE LEAST DENSE CARGO IN THE MIXTURE.

IN ACCORDANCE WITH 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.

### \*\*\*\*\*OCEANS STABILITY/LOADING CONSTRAINTS\*\*\*\*\*

TANK(S)	CARGO (CHRIS CODE)	MAX WGT EA TANK(ST)	MAX LOAD (ST)	MAX DRAFT (LBS/GAL)	MAX DENSITY
P/S	BUT	752	1504.60	7' 10-1/2"	4.88
P/S	PPL	669	1338.93	7' 4"	4.35
P/S	PRP	639	1278.07	7' 2"	4.25
P/S	BDI	752	1504.60	7' 10-1/2"	5.228
P/S	BTN	752	1504.60	7' 10-1/2"	4.997
P/S	IBT	746	1491.08	7' 10"	4.690

### \*\*\*\*\*LAKES BAYS AND SOUNDS STABILITY/LOADING CONSTRAINTS(LBS)\*\*\*\*\*

TANK(S)	CARGO (CHRIS CODE)	MAX WGT EA TANK(ST)	MAX LOAD (ST)	MAX DRAFT (LBS/GAL)	MAX DENSITY
P/S	BUT	853	1705.04	8' 7-3/16"	4.88
P/S	PPL	883	1765.94	8' 9-1/8"	4.35
P/S	PRP	837	1674.60	8' 6-3/16"	4.25
P/S	BDI	898	1796.38	8' 10-5/64"	5.228
P/S	BTN	853	1705.04	8' 7-3/16"	4.997
P/S	IBT	837	1674.60	8' 6-3/16"	4.690



# Temporary Certificate of Inspection

Vessel Name: KIRBY 17847

**--- Inspection Status ---**

**\*Cargo Tanks\***

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
Port & Starboard	11May2011	15Sep2021	30Sep2031	16May2016	15Sep2021	30Sep2026

**Hydro Test**

Tank Id	Safety Valves	Previous	Last	Next
Port & Starboard	15Sep2021	-	-	-

**---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\*\*\*

# SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 988  
Date 08-09-2021  
Tested to API 598 Standard

Job no. LV-8539-WO  
Client Kirby Inland Marine  
Barge # Kirby 17847

## Valve data

Manufacturer Warren  
Type / Model 6306FS  
Serial No. B2433

Size 6  
Rating 300  
Fluid Liquid

## Test results

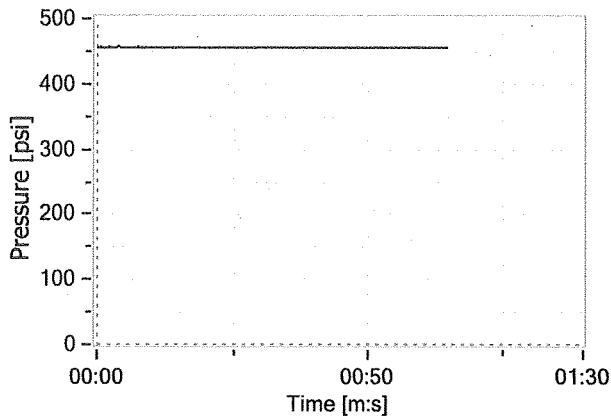
Body test

Pressure 457 psi  
Time 1:04

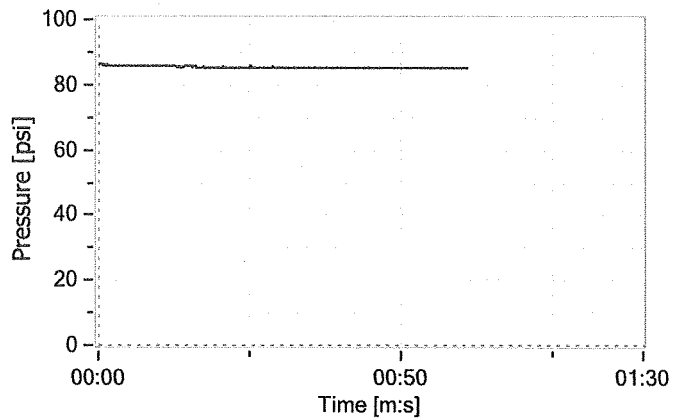
Seat tests

AB	BA
Pressure 86 psi	86 psi
Time 1:02	1:02
Leakage 0 bubbles/min.	0 bubbles/min.

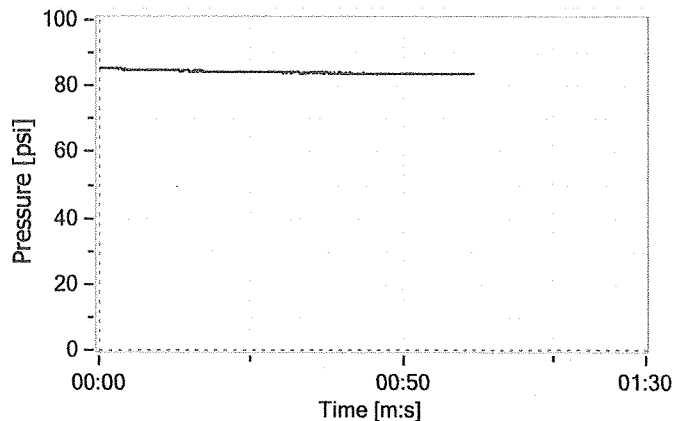
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



## Result

Tested by

Name Javier Gutierrez

Date

Signature

8-9-21

Inspected by

Name Joey Green

Date 8/9/21

Signature

**Law Valve of Texas**



# SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 987  
Date 08-09-2021  
Tested to API 598 Standard

Job no. LV-8539-WO  
Client Kirby Inland Marine  
Barge # Kirby 17847

## Valve data

Manufacturer Warren  
Type / Model 6306FS  
Serial No. 110266

Size 6  
Rating 300  
Fluid Liquid

## Test results

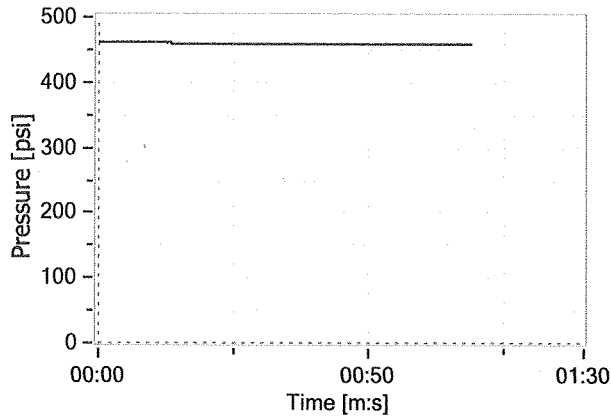
Body test

Pressure 461 psi  
Time 1:09

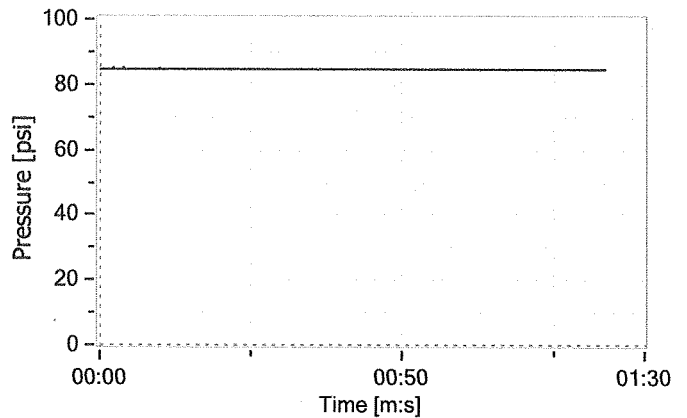
Seat tests

	AB	BA
Pressure	85 psi	83 psi
Time	1:24	1:03
Leakage	0 bubbles/min.	0 bubbles/min.

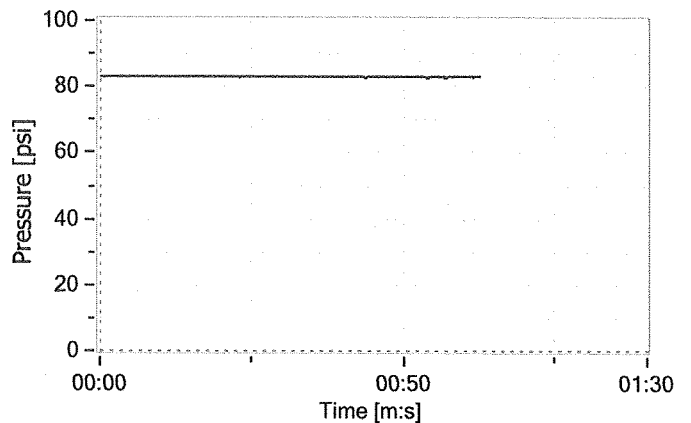
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



## Result

Tested by

Name Javier Gutierrez

Date

Signature

8-9-21  
*[Signature]*

Inspected by

Name

Date

Signature

Joey Green  
8/9/21  
*[Signature]*

**Law Valve of Texas**



# SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 982  
Date 08-09-2021  
Tested to API 598 Standard

Job no. LV-8539-WO  
Client Kirby Inland Marine  
Barge # Kirby 17847

## Valve data

Manufacturer Warren  
Type / Model 6305FS  
Serial No. LV-8539-WO-2

Size 6  
Rating 300  
Fluid Liquid

## Test results

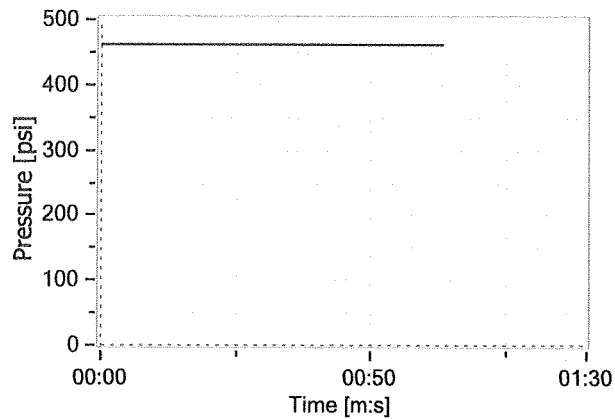
### Body test

Pressure 463 psi  
Time 1:03

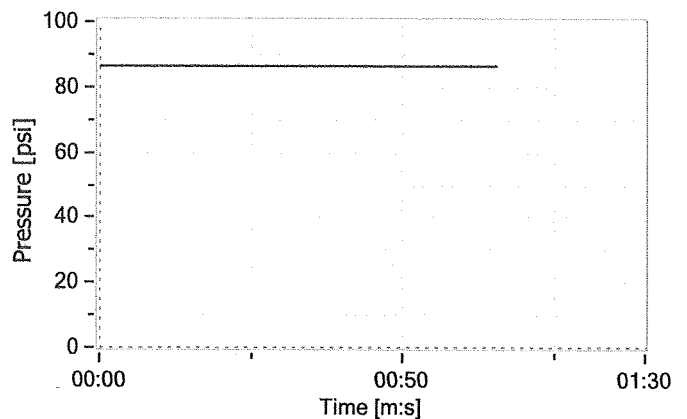
### Seat tests

AB	BA
Pressure 86 psi	86 psi
Time 1:06	1:07
Leakage 0 bubbles/min.	0 bubbles/min.

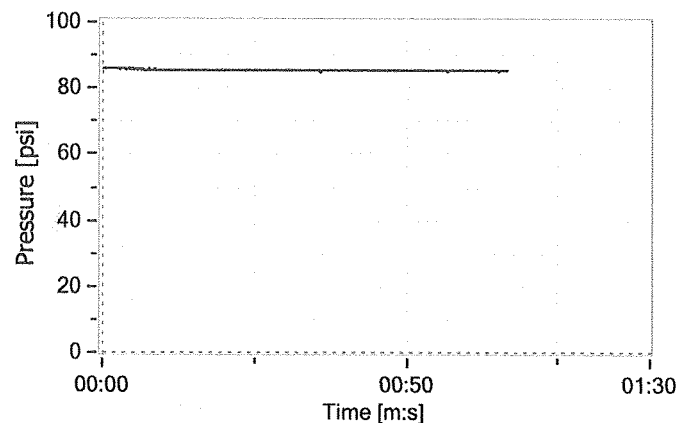
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



## Result

### Tested by

Name Javier Gutierrez  
Date 8-9-21  
Signature

### Inspected by

Name Joey Green  
Date 8/9/21  
Signature

**Law Valve of Texas**



# SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1029  
Date 08-18-2021  
Tested to API 598 Standard

Job no. LV-8539-WO  
Client Kirby Inland Marine  
Barge # Kirby 17847

## Valve data

Manufacturer Warren  
Type / Model 6305FS  
Serial No. LV-8539-WO-1

Size 6  
Rating 300  
Fluid Liquid

## Test results

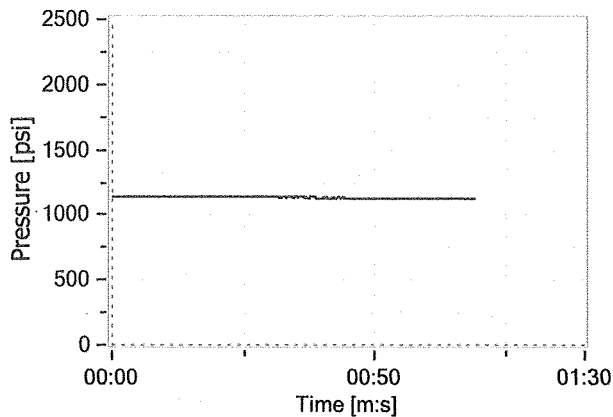
### Body test

Pressure 1132 psi  
Time 1:09

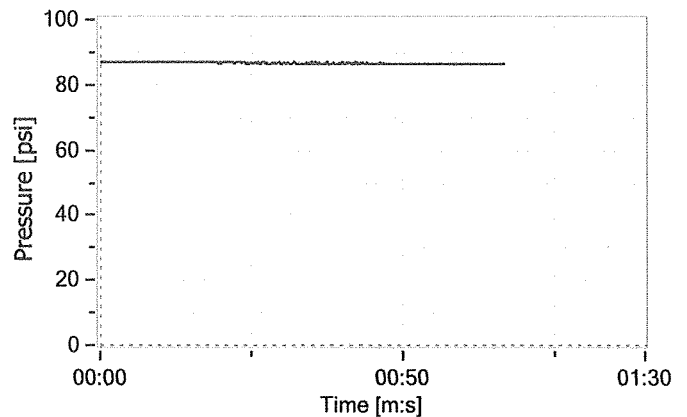
### Seat tests

AB	BA
Pressure 87 psi	84 psi
Time 1:07	1:57
Leakage 0 bubbles/min.	0 bubbles/min.

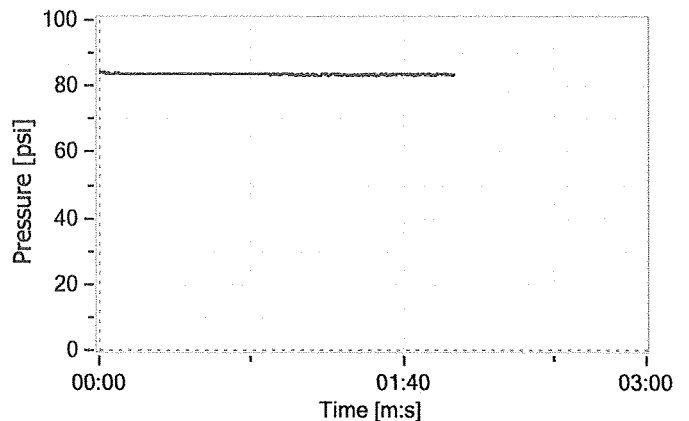
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



## Result

### Tested by

Name Javier Gutierrez  
Date 8-18-21  
Signature

### Inspected by

Name   
Date 8/18/21  
Signature

*Law Valve of Texas*



# Law Valve of Texas

## Warren Ball Valve Rebuild Condition Report

Job # LV-8539-WO  
Barge # KIRBY 17847  
Date: 8-3-21

Size:  2  3  4  6  8      Material:  CS  SS *Korea*  
Pressure:  150  300      Serial # B 2433      Match Mark # 2433-1

Type  Gear Operated  Air Operated

Body match mark # 2433-1  
Body condition  Good  Pitted  Other

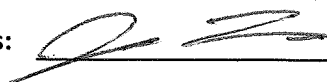
Cap match mark # 2433-1  
Cap condition  Good  Pitted  Other

Ball match mark # 2433-1  
Ball condition  Good  Pitted  Other

Stem match mark # 2433-1  
Stem condition  Good  Pitted  Other  Renew

Stem bolting  Reuse  Replace

Testing Personnel Only						
Test	Low	High	SS Shell		CS Shell	
PSI	<input type="checkbox"/> 10	<input type="checkbox"/> 80	<input type="checkbox"/> 425	<input type="checkbox"/> 1100	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input type="checkbox"/> Visually checked body bolts for 2 or more threads						
<input type="checkbox"/> Verified all body bolts are torqued						

Test Date: 8-19-21      Technician:       Witness: 



# Law Valve of Texas

## Warren Ball Valve Rebuild Condition Report

Job # LV-8539-WO  
Barge # KIRBY 17847  
Date: 8-3-21

Size:  2  3  4  6  8      Material:  CS  SS *Korea*  
Pressure:  150  300      Serial # 110266      Match Mark # 0266

Type  Gear Operated  Air Operated

Body match mark # 0266  
Body condition  Good  Pitted  Other

Cap match mark # 0266  
Cap condition  Good  Pitted  Other

Ball match mark # 0266  
Ball condition  Good  Pitted  Other

Stem match mark # 0266  
Stem condition  Good  Pitted  Other  Renew

Stem bolting  Reuse  Replace

Testing Personnel Only						
Test	Low	High	SS Shell		CS Shell	
PSI	<input type="checkbox"/> 10	<input type="checkbox"/> 80	<input type="checkbox"/> 425	<input type="checkbox"/> 1100	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input type="checkbox"/> Visually checked body bolts for 2 or more threads						
<input type="checkbox"/> Verified all body bolts are torqued						

Test Date: 8-6-21      Technician:       Witness: 

## Warren Ball Valve Rebuild Condition Report

Job # LV-8539-WO  
Barge # KIRBY 17847  
Date: 8-3-21

Size:  2  3  4  6  8  
Pressure:  150  300  
Material:  CS  SS *China*  
Serial # N/A Match Mark # 1

Type  Gear Operated  Air Operated

Body match mark # 1  
Body condition  Good  Pitted  Other

Cap match mark # 1  
Cap condition  Good  Pitted  Other

Ball match mark # 1  
Ball condition  Good  Pitted  Other

Stem match mark # 1  
Stem condition  Good  Pitted  Other  Renew

Stem bolting  Reuse  Replace

Testing Personnel Only						
Test	Low	High	SS Shell		CS Shell	
PSI	<input type="checkbox"/> 10	<input type="checkbox"/> 80	<input type="checkbox"/> 425	<input type="checkbox"/> 1100	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input type="checkbox"/> Visually checked body bolts for 2 or more threads						
<input type="checkbox"/> Verified all body bolts are torqued						

Test Date: 8-2-21 Technician: [Signature] Witness: [Signature]

# Law Valve of Texas

## Warren Ball Valve Rebuild Condition Report

Job # LV-8539-WO  
Barge # KIRBY 17847  
Date: 8-4-21

Size:  2  3  4  6  8      Material:  CS  SS *china*  
Pressure:  150  300      Serial # N/A      Match Mark # 2

Type  Gear Operated  Air Operated

Body match mark # 2  
Body condition  Good  Pitted  Other


Cap match mark # 2  
Cap condition  Good  Pitted  Other

Ball match mark # 2  
Ball condition  Good  Pitted  Other

Stem match mark # 2  
Stem condition  Good  Pitted  Other  Renew

Stem bolting  Reuse  Replace

Testing Personnel Only						
Test	Low	High	SS Shell		CS Shell	
PSI	<input type="checkbox"/> 10	<input type="checkbox"/> 80	<input type="checkbox"/> 425	<input type="checkbox"/> 1100	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input type="checkbox"/> Visually checked body bolts for 2 or more threads						
<input type="checkbox"/> Verified all body bolts are torqued						

Test Date: 8-6-21      Technician:       Witness: 

# Safety valve inspection report

Certificate nr 968  
Date 08-07-2021

Job no. LV-8538-WO  
Client KIRBY INLAND MARINE  
Barge # Kirby 17847

## Valve data

Set pressure (cold) 265 psi  
Manufacturer FARRIS  
Type / Model 26QA12-120  
Serial No. 579893-3-A14

Size 6XQX8  
Rating 300X150  
Nozzle / Orifice Q

## Test data

### Set pressure test

Found set pressure 264 psi  
Reseat pressure (indication) 261 psi  
Result Passed  
Test method AIR

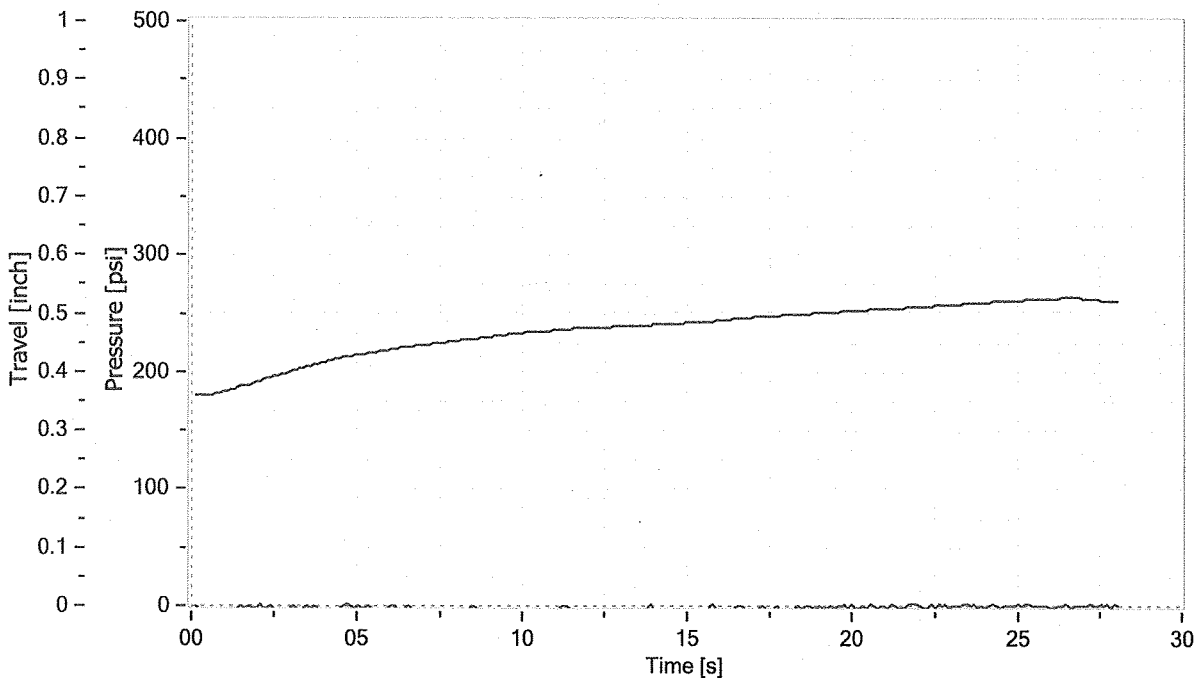
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 241 psi  
Result Passed

### Backpressure test

Pressure 31 psi  
Result Passed

*Law Valve of Texas*



Tested by  
Name EDUARDO PEREZ  
Date 8-18-21  
Signature *Eduardo Perez*

Inspected by  
Name MATTHEW L FOSTER, CWJZ  
Date 18 AUG 2021  
Signature *M. Foster, CWJZ*

# Safety valve inspection report

Certificate nr 965  
Date 08-07-2021

Job no. LV-8538-WO  
Client KIRBY INLAND MARINE  
Barge # Kirby 17847

## Valve data

Set pressure (cold) 265 psi  
Manufacturer FARRIS  
Type / Model 26QA12-120  
Serial No. 579893-2-A14

Size 6QX8  
Rating 300X150  
Nozzle / Orifice Q

## Test data

### Set pressure test

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

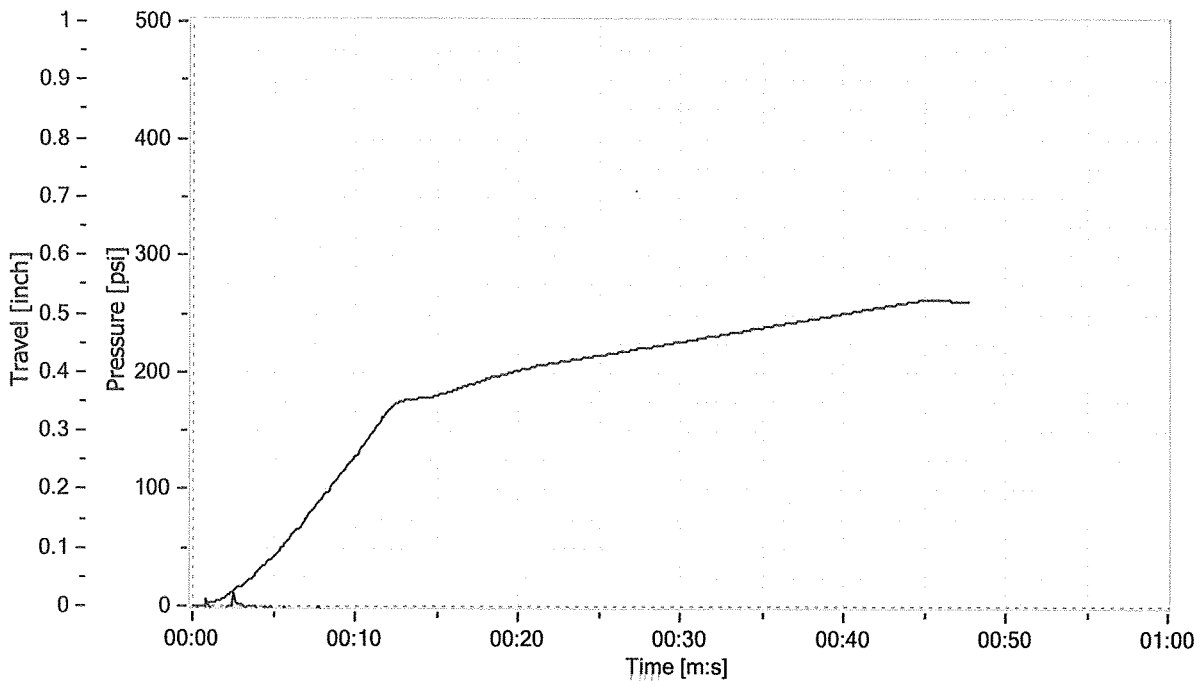
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 242 psi  
Result Passed

### Backpressure test

Pressure 31 psi  
Result Passed

*Law Valve of Texas*



Tested by  
Name EDUARDO PEREZ  
Date 8-18-21  
Signature *[Signature]*

Inspected by  
Name MATTHEW L FOSTER, CW02  
Date 18 AUG 2021  
Signature *[Signature]*

# Safety valve inspection report

Certificate nr 966  
Date 08-07-2021

Job no. LV-8538-WO  
Client KIRBY INLAND MARINE  
Barge # Kirby 17847

## Valve data

Set pressure (cold) 265 psi  
Manufacturer FARRIS  
Type / Model 26QA12-120  
Serial No. 576591-4-A14

Size 6XQX8  
Rating 300X150  
Nozzle / Orifice Q

## Test data

### Set pressure test

Found set pressure 263 psi  
Reseat pressure (indication) 261 psi  
Result Passed  
Test method AIR

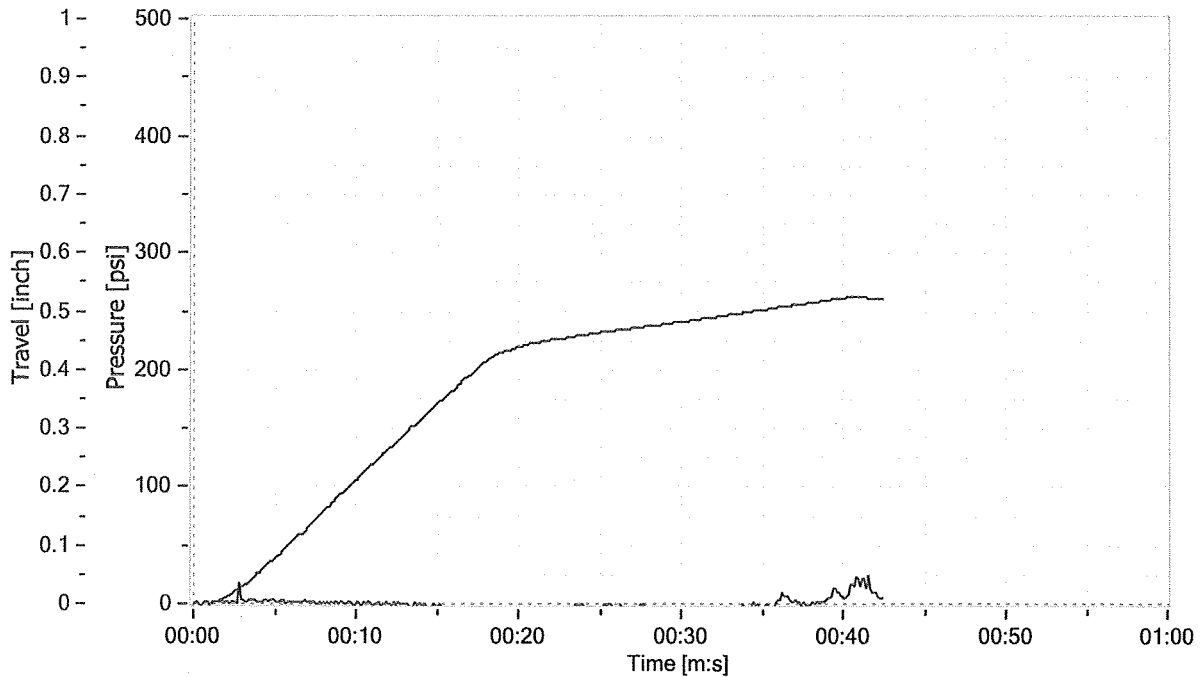
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 241 psi  
Result Passed

### Backpressure test

Pressure 31 psi  
Result Passed

*Law Valve of Texas*



Tested by  
Name EDUARDO PEREZ  
Date 8-18-21  
Signature *[Signature]*

Inspected by  
Name MATTHEW C FOSTER, CWUZ  
Date 18 AUG 2021  
Signature *[Signature]*

# Safety valve inspection report

Certificate nr 967  
Date 08-07-2021

Job no. LV-8538-WO  
Client KIRBY INLAND MARINE  
Barge # Kirby 17847

## Valve data

Set pressure (cold) 265 psi  
Manufacturer FARRIS  
Type / Model 26QA12-120  
Serial No. 576591-1-A14

Size 6XQX8  
Rating 300X150  
Nozzle / Orifice Q

## Test data

### Set pressure test

Found set pressure 265 psi  
Reseat pressure (indication) 258 psi  
Result Passed  
Test method AIR

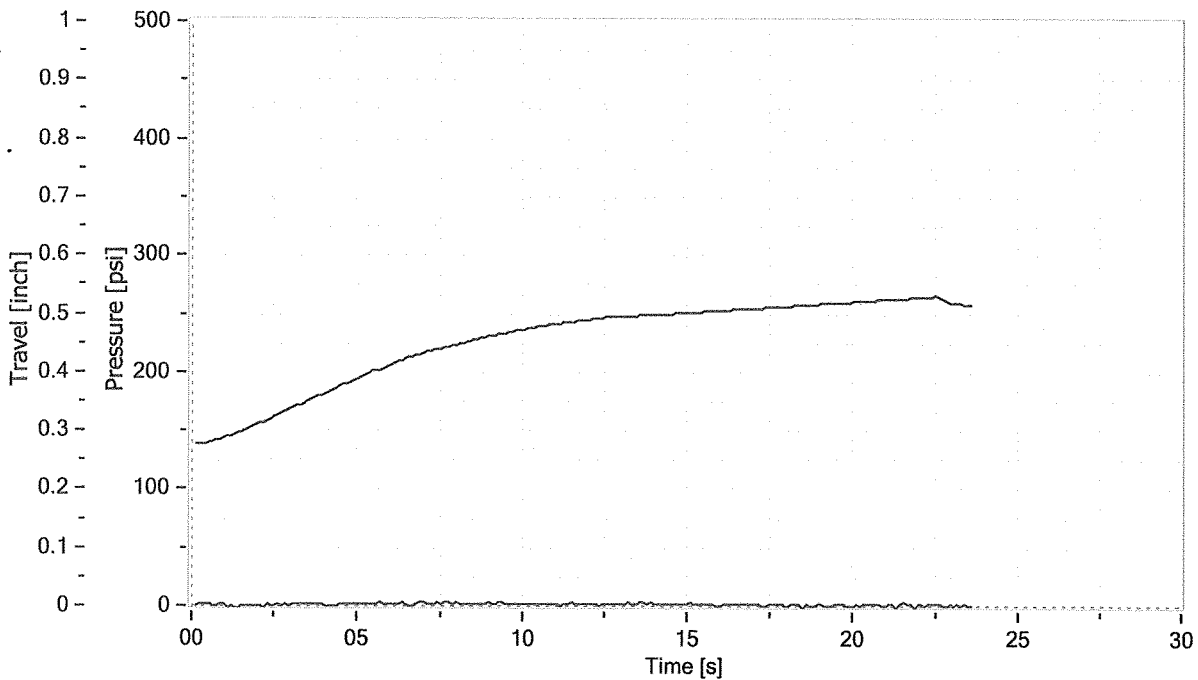
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 243 psi  
Result Passed

### Backpressure test

Pressure 31 psi  
Result Passed

*Law Valve of Texas*



Tested by  
Name EDUARDO PEREZ  
Date 8-18-21  
Signature *[Signature]*

Inspected by  
Name MATTHEW L FOSTER, CWUZ  
Date 16AUG2021  
Signature *[Signature]*

# Safety valve inspection report

Certificate nr 1057  
Date 08-24-2021

Job no. LV-8651-SO  
Client Kirby Inland Marine  
Barge # KIRBY 17847

## Valve data

Set pressure (cold) 480 psi  
Manufacturer Aquatrol  
Type / Model 742DG1V2K1  
Serial No. 92612-5

Size 1"x1"  
Rating  
Nozzle / Orifice D

## Test data

### Set pressure test

Found set pressure 484 psi  
Reseat pressure (indication) 385 psi  
Result Passed  
Test method Air

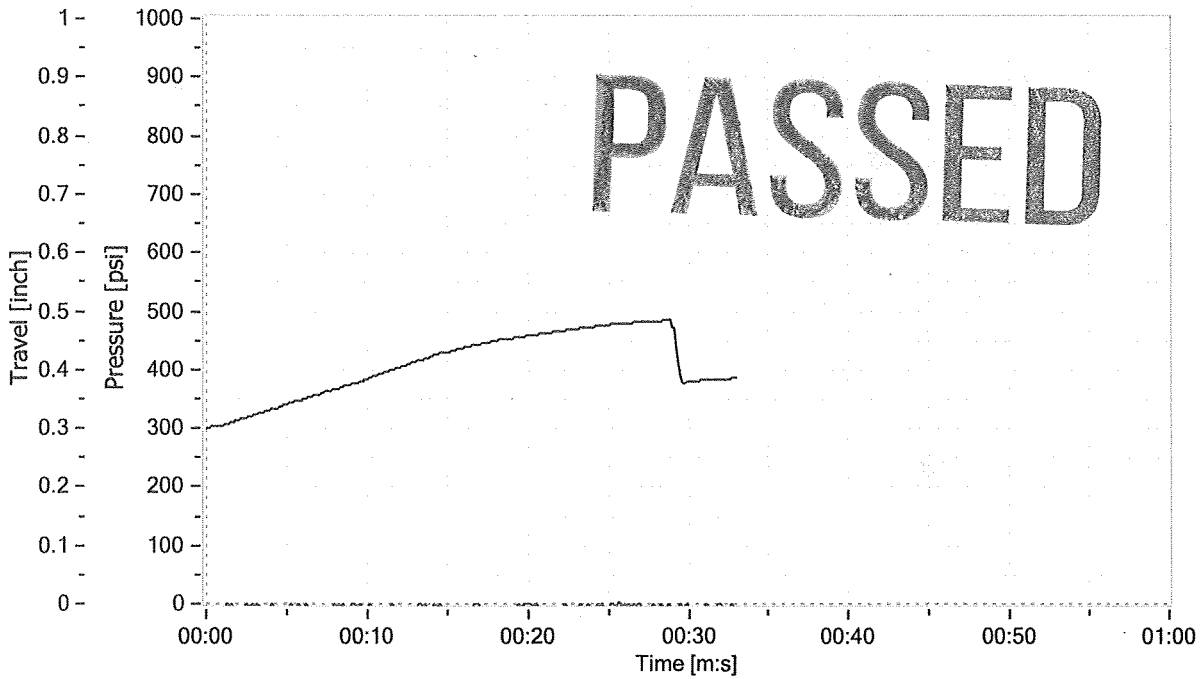
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 435 psi  
Result Passed

### Backpressure test

Pressure 30 psi  
Result Passed

*Law Valve of Texas*



Tested by

Name David Theiler

Date 8-24-21

Signature

Inspected by

Name

Date 8/24/21

Signature



# Safety valve inspection report

Certificate nr 1056  
Date 08-24-2021

Job no. LV-8651-SO  
Client Kirby Inland Marine  
Barge # KIRBY 17847

## Valve data

Set pressure (cold) 480 psi  
Manufacturer Aquatrol  
Type / Model 742DG1V2K1  
Serial No. 92612-3

Size 1"x1"  
Rating  
Nozzle / Orifice D

## Test data

### Set pressure test

Found set pressure 490 psi  
Reseat pressure (indication) 416 psi  
Result Passed  
Test method Air

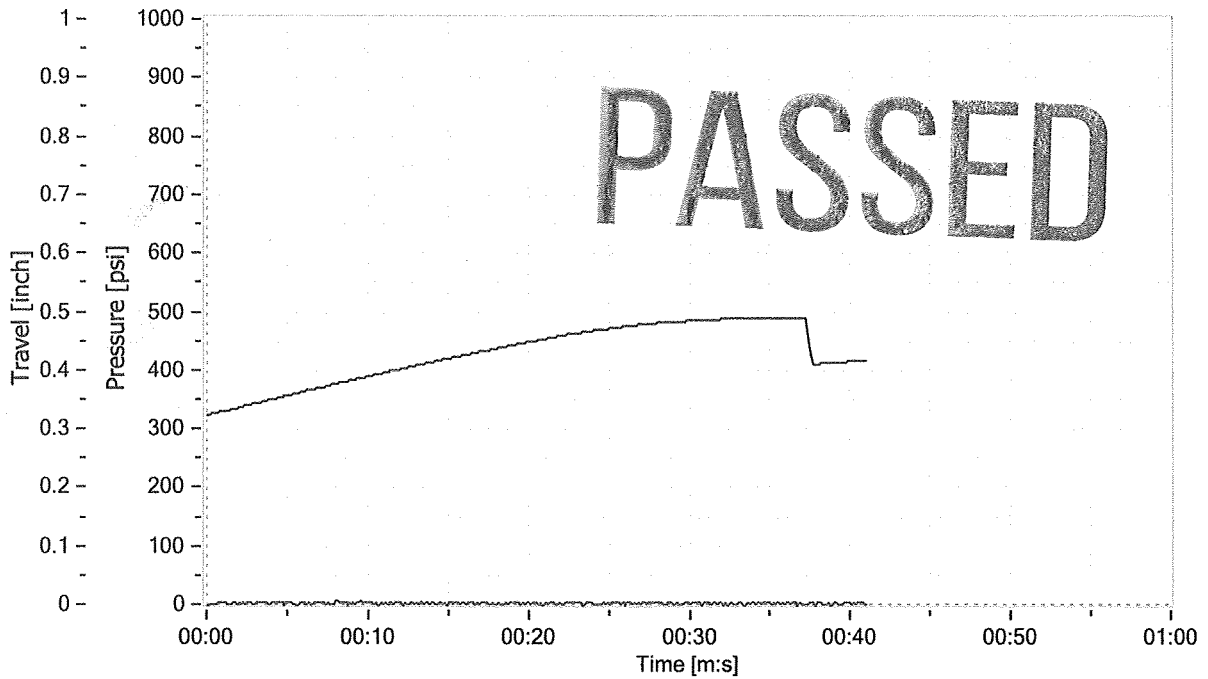
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 436 psi  
Result Passed

### Backpressure test

Pressure 30 psi  
Result Passed

*Law Valve of Texas*



Tested by

Name

David Theiler

Date

8-24-21

Signature

Inspected by

Name Joy Green

Date 8/24/21

Signature

# Safety valve inspection report

Certificate nr 1055  
Date 08-24-2021

Job no. LV-8651-SO  
Client Kirby Inland Marine  
Barge # KIRBY 17847

## Valve data

Set pressure (cold) 480 psi  
Manufacturer Aquatrol  
Type / Model 742DG1V2K1  
Serial No. 92612-2

Size 1"x1"  
Rating  
Nozzle / Orifice D

## Test data

### Set pressure test

Found set pressure 488 psi  
Reseat pressure (indication) 404 psi  
Result Passed  
Test method Air

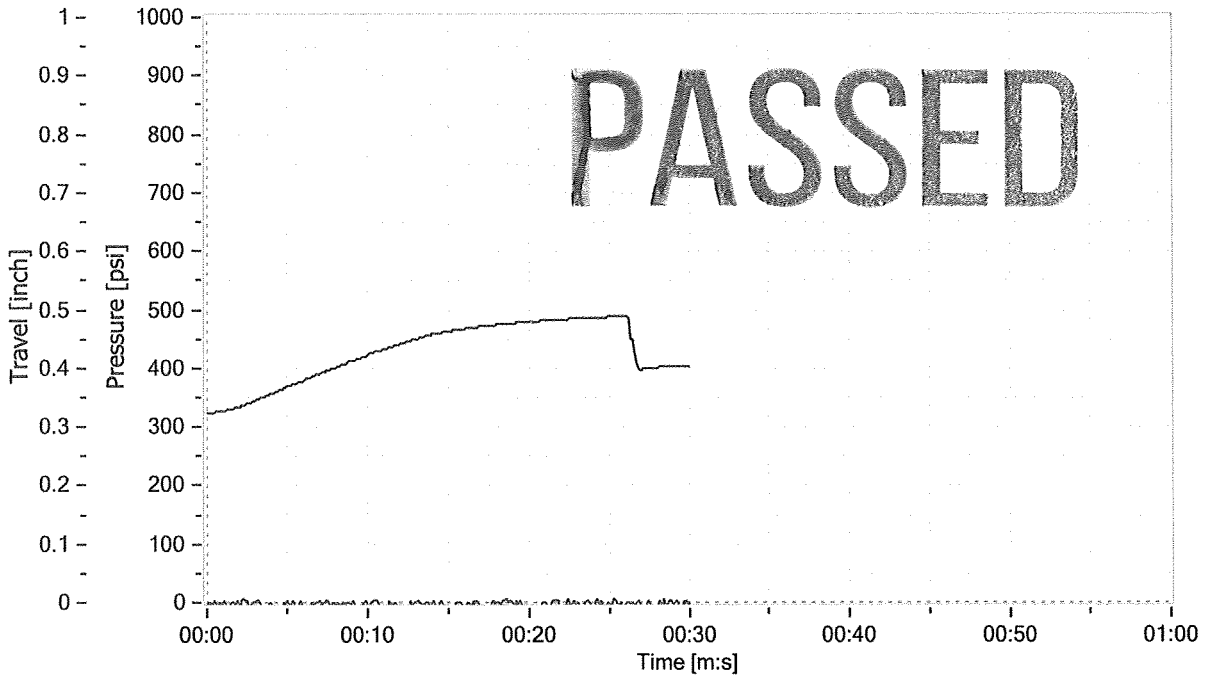
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 436 psi  
Result Passed

### Backpressure test

Pressure 30 psi  
Result Passed

*Law Valve of Texas*



Tested by

Name David Theiler  
Date 8-24-21  
Signature *[Signature]*

Inspected by

Name *Joey Green*  
Date 8/24/21  
Signature *[Signature]*

# Safety valve inspection report

Certificate nr 1053  
Date 08-24-2021

Job no. LV-8651-SO  
Client Kirby Inland Marine  
Barge # KIRBY 17847

## Valve data

Set pressure (cold) 480 psi  
Manufacturer Aquatrol  
Type / Model 742DG1V2K1  
Serial No. 92479-1

Size 1"x1"  
Rating  
Nozzle / Orifice D

## Test data

### Set pressure test

Found set pressure 492 psi  
Reseat pressure (indication) 419 psi  
Result Passed  
Test method Air

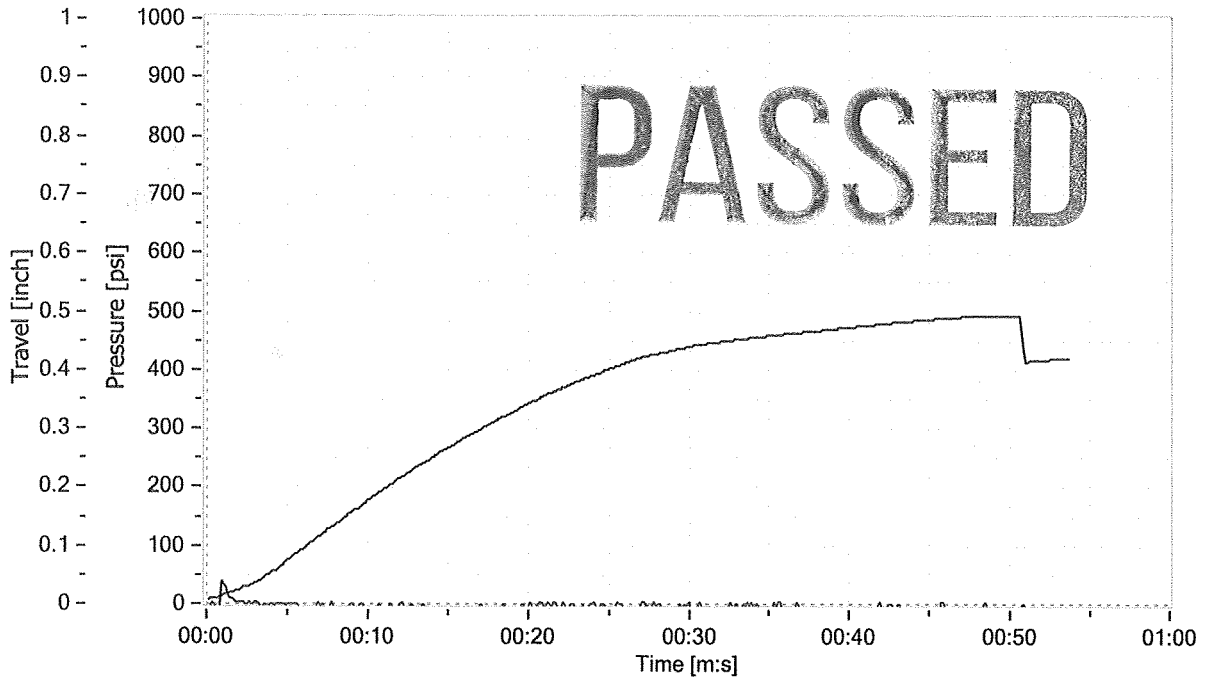
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 434 psi  
Result Passed

### Backpressure test

Pressure 30 psi  
Result Passed

*Law Valve of Texas*



Tested by

Name

David Theiler

Date

8-24-21

Signature

Inspected by

Name Joey Green

Date 8/24/21

Signature