



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

Certification Date:	04 Mar 2020
Expiration Date:	04 Mar 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 16800	958769			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	01Jan1990	01Jan1990	R-1406	R-715		R-248.6
UNITED STATES			-	-		I-248.6

Owner	Operator
KIRBY INLAND MARINE, LP 55 WAUGH DRIVE SUITE 1000 HOUSTON, TX 77007 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

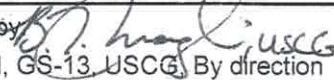
Route Permitted And Conditions Of Operation:  
**---Lakes, Bays, and Sounds---**

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.

This tank barge is participating in the Eighth 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  B. T. INAGAKI, GS-13, 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 16800

### ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	10Feb2025	10Feb2015	10Jun2005
Internal Structure	28Feb2025	04Mar2020	10Feb2015

### --- 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\*

#### \*Loading Constraints - Structural\*

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1 & 2 (IBL)	797	5.00
1 & 2 (BDI)	835	5.20
1 & 2 (IBT)(BMX)	739	4.70
1 & 2 (BUT)	767	4.80
1 & 2 (BTN)	793	4.960
1 & 2 (PRP)(PPM)	639	4.200
1 & 2 (PPL)	668	4.300

#### \*Conditions Of Carriage\*

#### \*Loading Constraints - Stability\*

Hull Type	Max Load	Max Draft	Max Density	Route	(S/T)	(ft/in)	(lbs/gal)
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)	1587	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)			

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN90000187, dated 25-APR-00, may be carried.

Inspected and approved for the carriage of specified liquefied flammable gases at a pressure not to exceed 260 PSIG relief valve setting and at a temperature not less than ambient (0-115 degrees Fahrenheit).

Mixtures of the subchapter D liquefied flammable gas cargoes Butane (BUT), Isobutane (IBT), Butylene (BTN), Isobutylene (IBL), Propane (PRP), and Propylene (PPL) are also 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 liquefied gas cargoes not specified above must be approved by commandant (G-MTH-1) prior to being authorized for carriage. No other cargoes may be carried when PPM is carried unless the PPM system is separated from other cargo piping systems.



# Temporary Certificate of Inspection

Vessel Name: KIRBY 16800

**\* Special Seasonal Loading Constraints \***

Vessel authorized special seasonal loading constraints for the carriage of propylene (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 & Trim\***

Cargo tanks must be loaded uniformly whenever a 46 CFR Subchapter "O" cargo is carried; for trim purposes, the weight of cargo in each tank may exceed the uniformly loaded tank cargo weight by at most 5 percent.

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

**\*Cargo Tanks\***

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 & 2 (IBL)	10Jun2005	10Feb2015	10Feb2025	10Feb2015	12Dec2017	31Dec2020
1 & 2 (BDI)	10Jun2005	10Feb2015	10Feb2025	10Feb2015	12Dec2017	31Dec2020
1 & 2 (IBT)(BMX)	10Jun2005	10Feb2015	10Feb2025	10Feb2015	12Dec2017	31Dec2020
1 & 2 (BUT)	10Jun2005	10Feb2015	10Feb2025	10Feb2015	12Dec2017	31Dec2020
1 & 2 (BTN)	10Jun2005	10Feb2015	10Feb2025	10Feb2015	12Dec2017	31Dec2020
1 & 2 (PRP)(PPM)	10Jun2005	10Feb2015	10Feb2025	10Feb2015	12Dec2017	31Dec2020
1 & 2 (PPL)	10Jun2005	10Feb2015	10Feb2025	10Feb2015	12Dec2017	31Dec2020

**Hydro Test**

Tank Id	Safety Valves	Previous	Last	Next
1 & 2 (IBL)	12Jan2015	-	-	-
1 & 2 (BDI)	12Jan2015	-	-	-
1 & 2 (IBT)(BMX)	12Jan2015	-	-	-
1 & 2 (BUT)	12Jan2015	-	-	-
1 & 2 (BTN)	12Jan2015	-	-	-
1 & 2 (PRP)(PPM)	12Jan2015	-	-	-
1 & 2 (PPL)	12Jan2015	-	-	-

**---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	40-B

\*\*\*END\*\*\*



# Certificate of Inspection

## Cargo Authority Attachment

Vessel Name: KIRBY 16800  
Official #: D958769

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Shipyard: CARUTHERSVILLE SHI  
Hull #: 5308

### 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				
Butadiene	BDI	30	N	LFG	II		.50-70(a), .50-73
Butane (iso-, n-)	BMX	31	N	LFG			
Butylene	BTN	30	N	LFG			
Butane	BUT	31	N	LFG			
Isobutylene	IBL	30	N	LFG			
Isobutane	IBT	31	N	LFG			
Propylene	PPL	30	N	LFG			
Propylene, Propane, MAPP gas mixture (containing 12% or less MAPP gas)	PPM	30	Y	LFG	III		.50-79 'c' only
Propane	PRP	31	N	LFG			

### Authorized Subchapter O Cargoes

### Explanation of terms & symbols used in the Table:

#### Cargo Identificatio

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. Flammable liquid cargoes, as defined in 46 CFR 30-10.22. Combustible liquid cargoes, as defined in 46 CFR 30-10.15. Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
A, B, C	
D, E	
NA, NF	
#	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 Carriag

Note	See Certificate of Inspection for explanation of symbols used in this column.
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# Safety valve inspection report

Certificate nr 790  
Date 02-19-2020

Job no. LV-5310-SO  
Client Kirby

## Valve data

Set pressure (cold) 480 psi  
Tag. No.  
Serial No. 849425-8  
Manufacturer Hydroseal  
Type / Model 4FRV30F/D0

Size 1x1  
Rating  
Nozzle / Orifice 1/2  
Fluid Air  
Barge # KIRBY 16800

## Test data

### Set pressure test

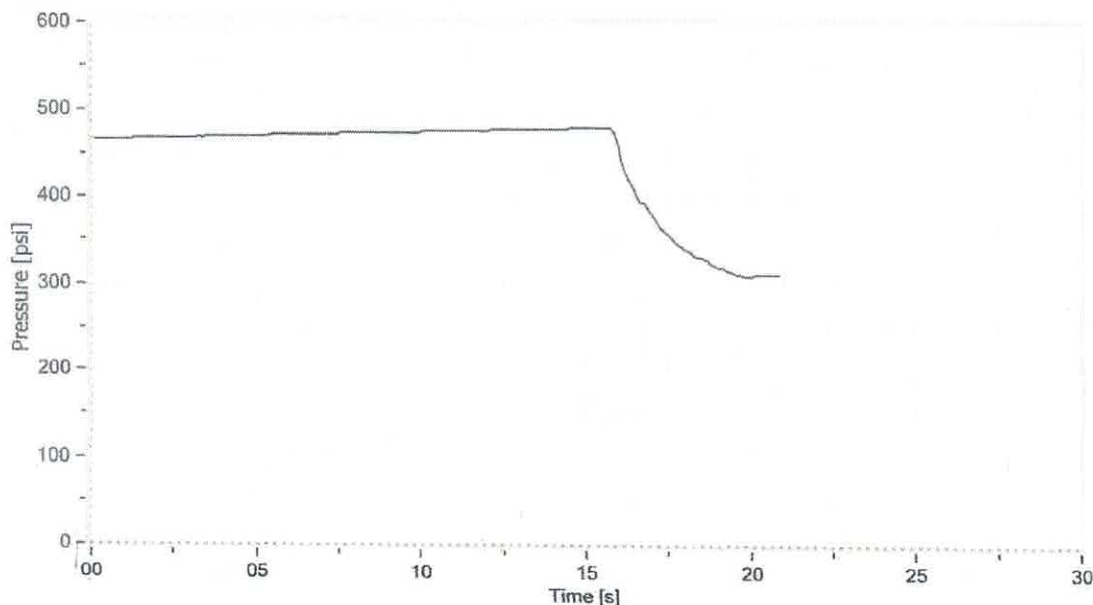
Found set pressure 479 psi  
Reseat pressure (indication) 312 psi  
Result Passed  
Test method Air


### Seat tightness test

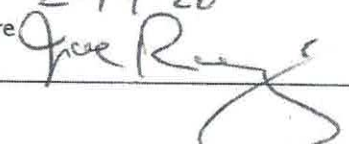
Leakage -  
Test pressure -  
Result -

### Manual Back Pressure test

BP Pressure 30psi  
BP Result Passed



Tested by  
Name David Theiler  
Date 2-19-2020  
Signature 

Inspected by Joe Ramirez  
Name  
Date 2-19-20  
Signature 

# Safety valve inspection report

Certificate nr 791  
Date 02-19-2020

Job no. LV-5310-SO  
Client Kirby

## Valve data

Set pressure (cold) 480 psi  
Tag. No.  
Serial No. 849425-4  
Manufacturer Hydroseal  
Type / Model 4FRV30F/D0

Size 1x1  
Rating  
Nozzle / Orifice 1/2  
Fluid Air  
Barge # KIRBY 16800

## Test data

### Set pressure test

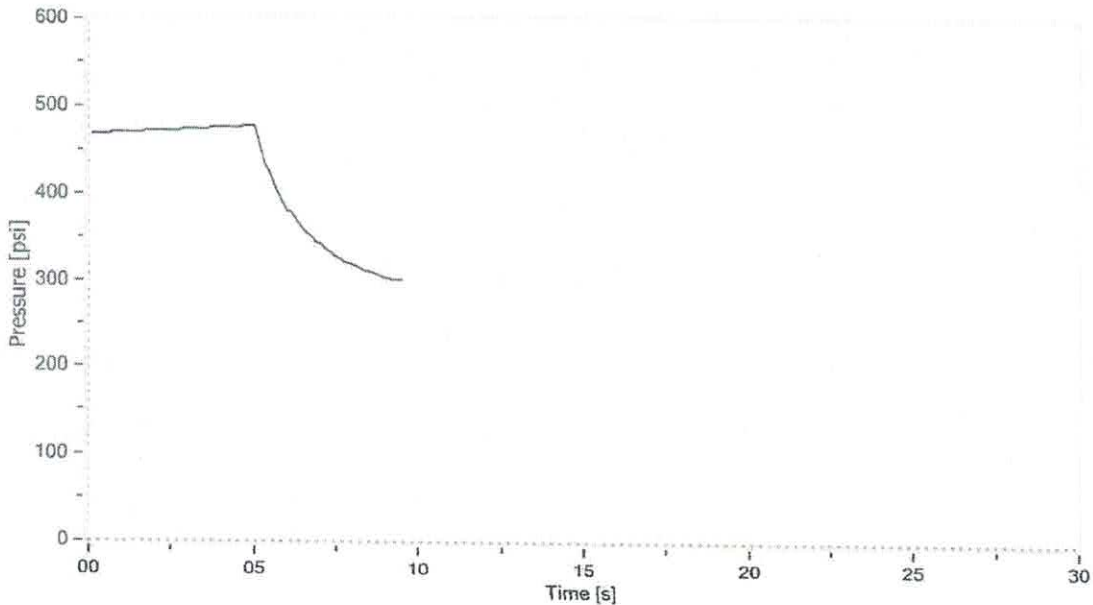
Found set pressure 477 psi  
Reseat pressure (indication) 301 psi  
Result Passed  
Test method Air


### Seat tightness test


Leakage -  
Test pressure -  
Result -

### Manual Back Pressure test

BP Pressure 30psi  
BP Result Passed



Tested by  
Name David Theiler  
Date 2-19-2020  
Signature 

Inspected by Joe Ramirez  
Name  
Date 2-19-20  
Signature 

# Safety valve inspection report

Certificate nr 792 Job no. LV-5310-SO  
Date 02-19-2020 Client Kirby

## Valve data

Set pressure (cold)	480 psi	Size	1x1
Tag. No.		Rating	
Serial No.	849425-12	Nozzle / Orifice	1/2
Manufacturer	Hydroseal	Fluid	Air
Type / Model	4FRV30F/D0	Barge #	KIRBY 16800

## Test data

### Set pressure test

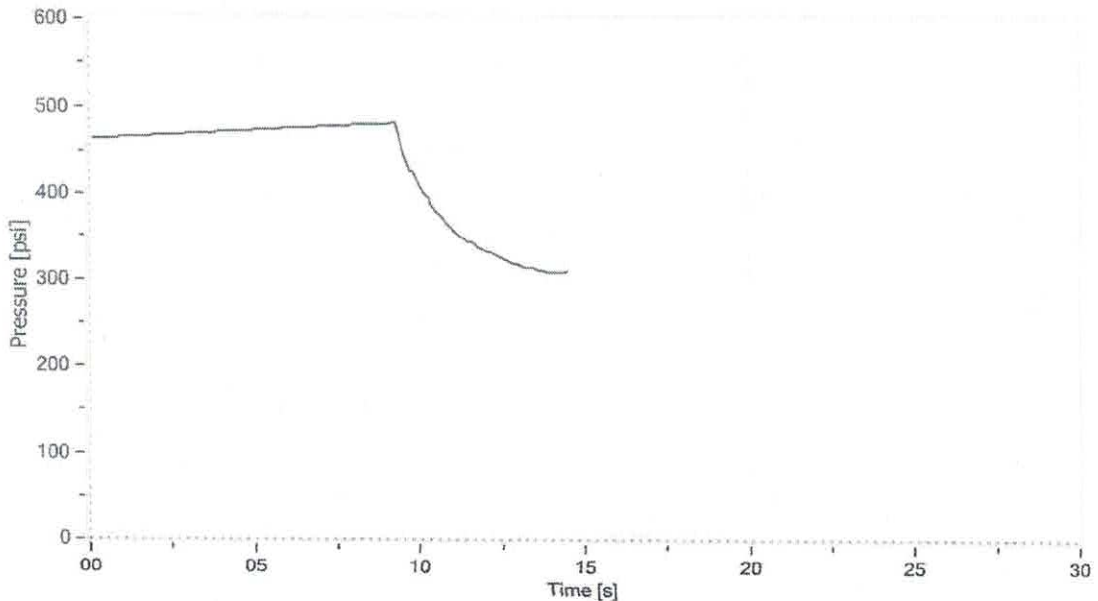
Found set pressure 480 psi  
Reseat pressure (indication) 308 psi  
Result Passed  
Test method Air

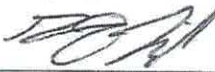
### Seat tightness test

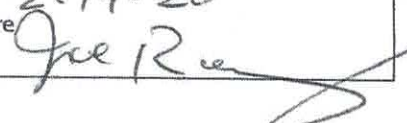
Leakage -  
Test pressure -  
Result -

### Manual Back Pressure test

BP Pressure 30psi  
BP Result Passed



Tested by  
Name David Theiler  
Date 2-19-2020  
Signature 

Inspected by Joe Ramirez  
Name  
Date 2-19-20  
Signature 

# Safety valve inspection report

Certificate nr 793  
Date 02-19-2020

Job no. LV-5310-SO  
Client Kirby

## Valve data

Set pressure (cold) 480 psi  
Tag. No.  
Serial No. 849425-15  
Manufacturer Hydroseal  
Type / Model 4FRV30F/D0

Size 1x1  
Rating  
Nozzle / Orifice 1/2  
Fluid Air  
Barge # KIRBY 16800

## Test data

### Set pressure test

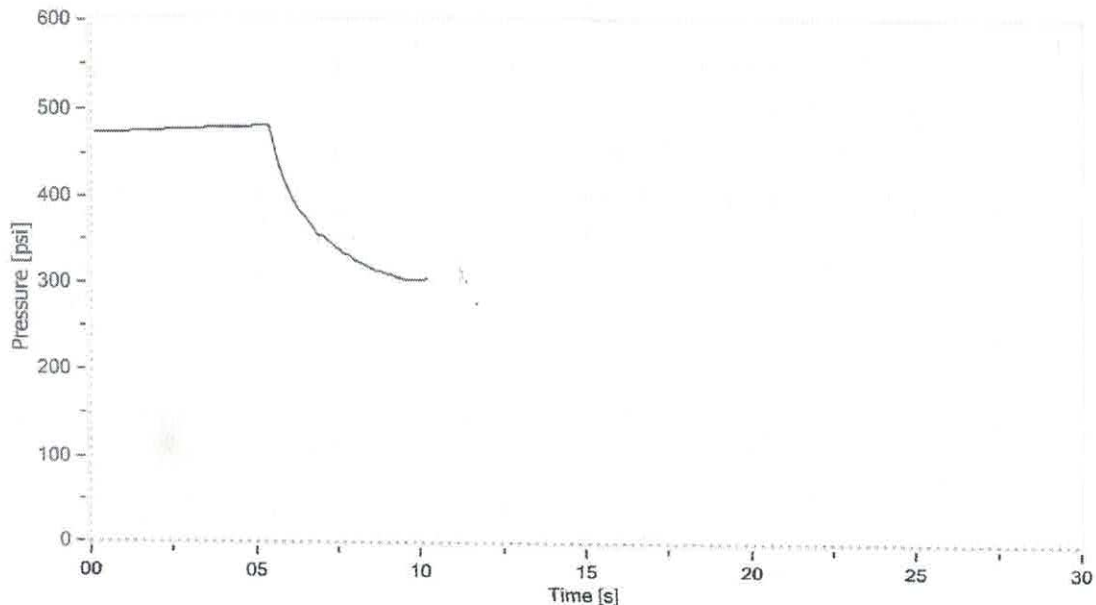
Found set pressure 481 psi  
Reseat pressure (indication) 304 psi  
Result Passed  
Test method Air

### Seat tightness test

Leakage -  
Test pressure -  
Result -

### Manual Back Pressure test

BP Pressure 30psi  
BP Result Passed



Tested by  
Name David Theiler  
Date 2-19-2020  
Signature *[Signature]*

Inspected by Joe Ramirez  
Name Joe Ramirez  
Date 2-19-20  
Signature *[Signature]*



# Safety valve inspection report

Certificate nr 796  
Date 02-20-2020

Job no. LV-5310-SO  
Client Kirby

## Valve data

Set pressure (cold) 260 psi  
Tag. No.  
Serial No. 410264-1  
Manufacturer Farris  
Type / Model 26RA13

Size 6x10  
Rating 600x150  
Nozzle / Orifice R  
Fluid Air  
Barge # KIRBY 16800

## Test data

### Set pressure test

Found set pressure 261 psi  
Reseat pressure (indication) 255 psi  
Result Passed  
Test method Air

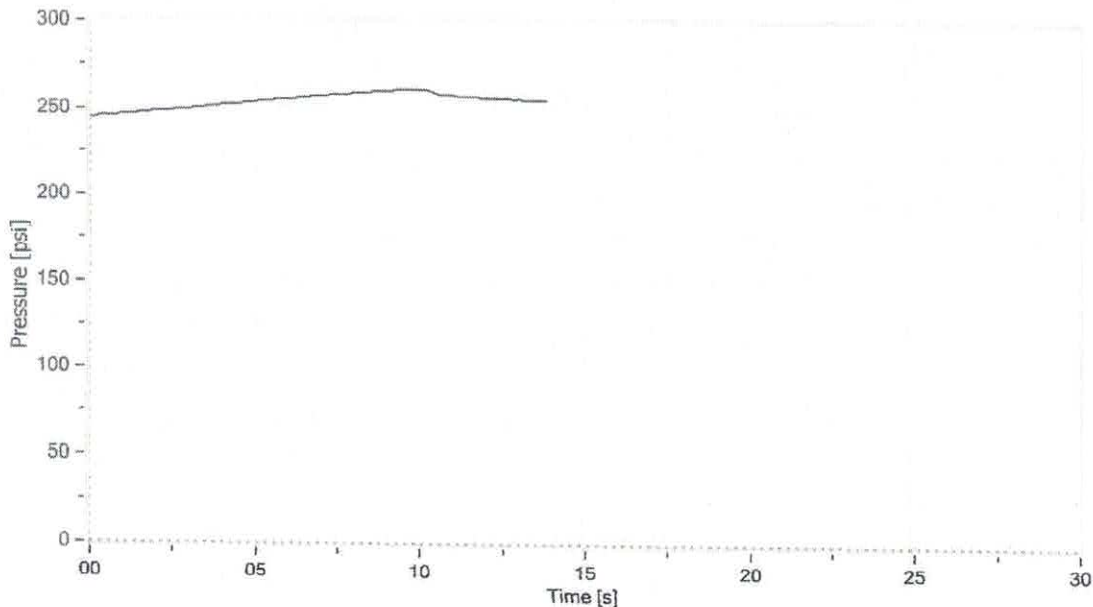
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 240 psi  
Result Passed

### Manual Back Pressure test

BP Pressure 30psi  
BP Result Passed

**Law Valve of Texas**



Tested by  
Name David Theiler  
Date 2-20-2020  
Signature *[Signature]*

Inspected by  
Name *FRANK MOYER*  
Date 2-20-2020  
Signature *[Signature]*

# Safety valve inspection report

Certificate nr 797  
Date 02-20-2020

Job no. LV-5310-SO  
Client Kirby

## Valve data

Set pressure (cold) 260 psi  
Tag. No.  
Serial No. 410264-2  
Manufacturer Farris  
Type / Model 26RA13

Size 6x10  
Rating 600x150  
Nozzle / Orifice R  
Fluid Air  
Barge # KIRBY 16800

## Test data

### Set pressure test

Found set pressure 259 psi  
Reseat pressure (indication) 244 psi  
Result Passed  
Test method Air

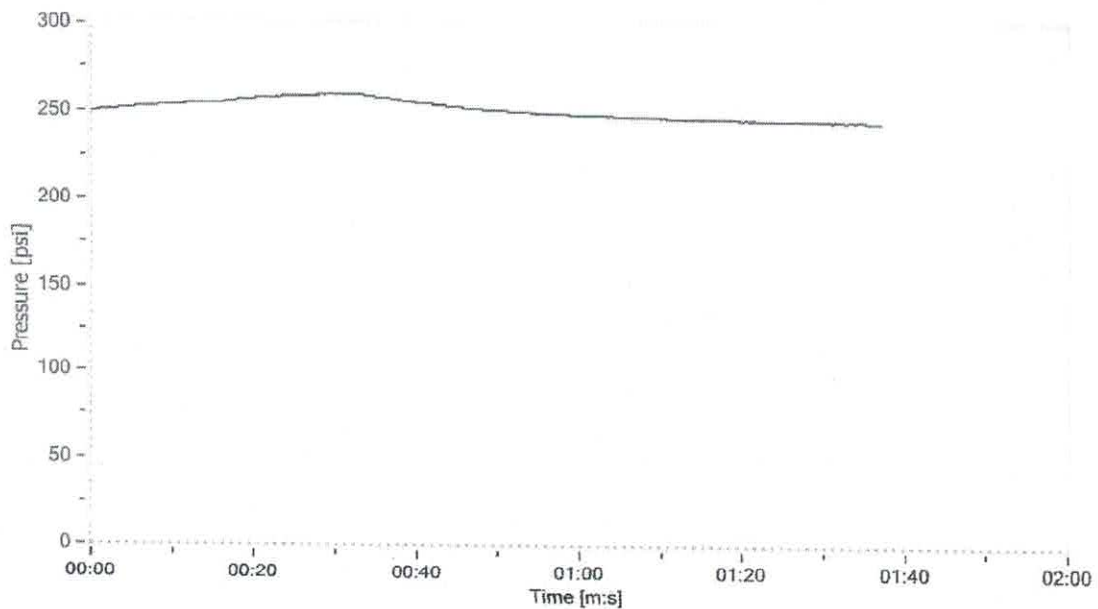
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 240 psi  
Result Passed

### Manual Back Pressure test

BP Pressure 30psi  
BP Result Passed

**Law Valve of Texas**



Tested by  
Name David Theiler  
Date 2-20-2020  
Signature *[Signature]*

Inspected by  
Name *FRANK MEYER*  
Date 2-20-2020  
Signature *[Signature]*

# Safety valve inspection report

Certificate nr 798 Job no. LV-5310-SO  
Date 02-20-2020 Client Kirby

## Valve data

Set pressure (cold)	260 psi	Size	6x8
Tag. No.		Rating	300x150
Serial No.	TB2436	Nozzle / Orifice	Q
Manufacturer	Consolidated	Fluid	Air
Type / Model	1910Q	Barge #	KIRBY 16800

## Test data

### Set pressure test

Found set pressure 262 psi  
Reseat pressure (indication) 256 psi  
Result Passed  
Test method Air

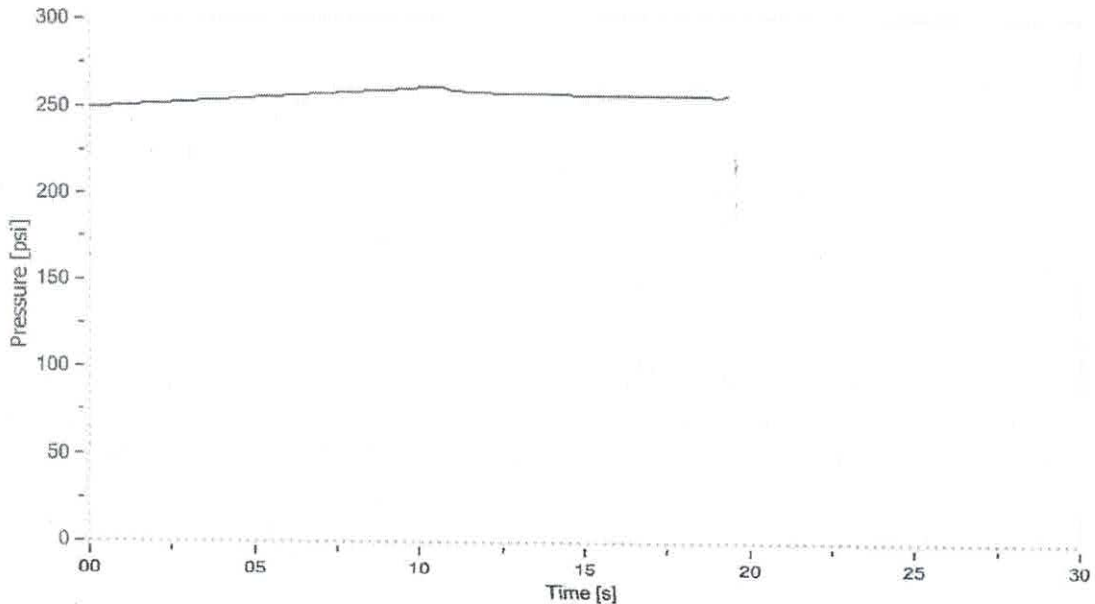
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 249 psi  
Result Passed

### Manual Back Pressure test

BP Pressure 30psi  
BP Result Passed

**Law Valve of Texas**



Tested by  
Name  
Date  
Signature

David Theiler  
2-20-2020  
*[Signature]*

Inspected by

Name *FRANK MEYER*  
Date 2-20-2020  
Signature *[Signature]*

# Safety valve inspection report

Certificate nr 799  
Date 02-20-2020

Job no. LV-5310-SO  
Client Kirby

## Valve data

Set pressure (cold) 260 psi  
Tag. No.  
Serial No. TB2437  
Manufacturer Consolidated  
Type / Model 1910Q

Size 6x8  
Rating 300x150  
Nozzle / Orifice Q  
Fluid Air  
Barge # KIRBY 16800

## Test data

### Set pressure test

Found set pressure 262 psi  
Reseat pressure (indication) 253 psi  
Result Passed  
Test method Air

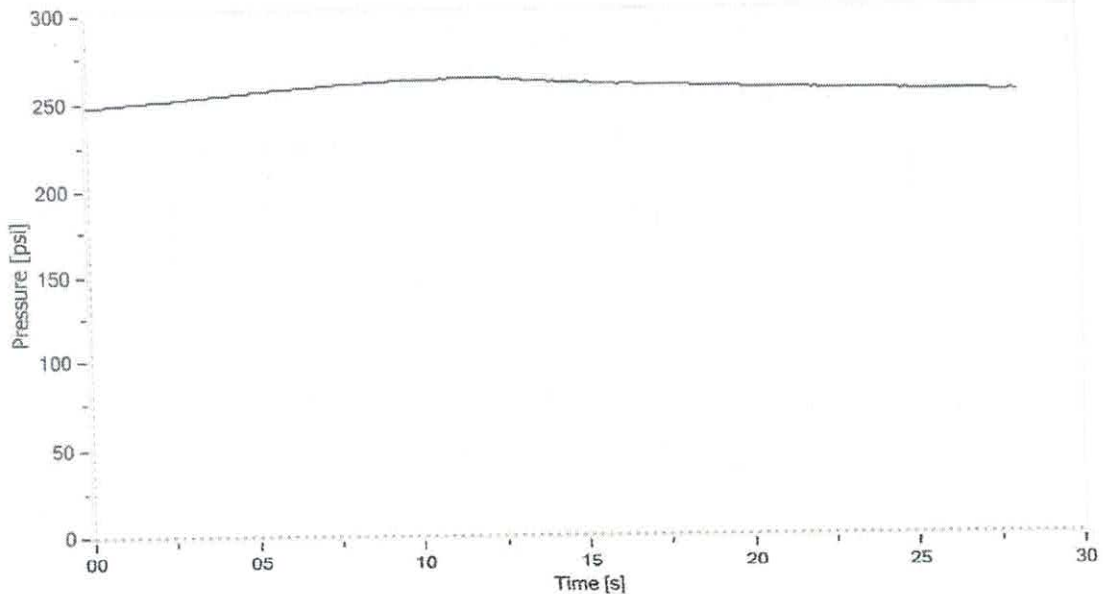
### Seat tightness test

Leakage 0 bubbles/min.  
Test pressure 247 psi  
Result Passed

### Manual Back Pressure test

BP Pressure 30psi  
BP Result Passed

**Law Valve of Texas**



Tested by  
Name  
Date  
Signature

David Theiler  
2-20-2020  
*[Signature]*

Inspected by

Name *FRANK MEYER*  
Date *2-20-2020*  
Signature *F Meyer*