



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

Certification Date: 14 Apr 2022
Expiration Date: 14 Apr 2023

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
CHICKASAW	536944			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
MEMPHIS, TN	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
BEAUMONT, TEXAS	01Jan1972		R-1068	R-1068		R-175.1
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 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 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 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

*****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: CHICKASAW

(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.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	10Apr2027	10Apr2017	23Apr2007
Internal Structure	30Apr2027	14Apr2022	10Apr2017

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

Authorization: LIQUEFIED FLAMMABLE GASES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10629	Barrels	LFG	Yes	No	No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1-6 (BTN)	521	5.0
1-6 (BMX)	512	4.8
1-6 (PPL)	437	4.3
1-6 (PRP)	419	4.2
1-6 (BDI)	558	5.2

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	1042	8ft 4in	5.0	BTN
II	1023	8ft 3in	4.8	BMX
II	875	7ft 7in	4.3	PPL
II	837	7ft 5in	4.2	PRP
II	1105	8ft 7in	5.2	BDI

Conditions Of Carriage

Inspected and approved for the carriage of liquified flammable gases (LFGs) at a pressure not to exceed 264 psi 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 above.

Mixtures of the Subchapter D liquefied flammable gas cargoes listed above are also authorized for carriage subject to the loading and stability constraints of the least dense cargo in the mixture.

Mixtures of Subchapter O and D liquefied gas cargoes not specified above must be approved by the Marine Safety Center prior to being authorized for carriage.

Compatibility

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.



Temporary Certificate of Inspection

Vessel Name: CHICKASAW

Stability and Trim

Per 46 CFR 151.10(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
1-6 (BTN)	23Apr2007	10Apr2017	10Apr2027	28Feb2020	14Apr2022	30Apr2027
1-6 (BMX)	23Apr2007	10Apr2017	10Apr2027	28Feb2020	14Apr2022	30Apr2027
1-6 (PPL)	23Apr2007	10Apr2017	10Apr2027	28Feb2020	14Apr2022	30Apr2027
1-6 (PRP)	23Apr2007	10Apr2017	10Apr2027	28Feb2020	14Apr2022	30Apr2027
1-6 (BDI)	23Apr2007	10Apr2017	10Apr2027	28Feb2020	14Apr2022	30Apr2027

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1-6 (BTN)	22Mar2022	-	-	-
1-6 (BMX)	22Mar2022	-	-	-
1-6 (PPL)	22Mar2022	-	-	-
1-6 (PRP)	22Mar2022	-	-	-
1-6 (BDI)	22Mar2022	-	-	-

---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

Safety valve inspection report

Certificate nr 1861
Date 03-22-2022

Job no. LV-10301-WO
Client KIRBY INLAND MARINE
Barge # CHICKASAW

Set pressure (cold) 264 psi
Manufacturer CONSOLIDATED
Type / Model 1910Q
Serial No. SC82407

Valve data

Size 6XQX8
Rating 300X150
Nozzle / Orifice Q

Set pressure test

Found set pressure 262 psi
Reseat pressure (indication) 260 psi
Result Passed
Test method AIR

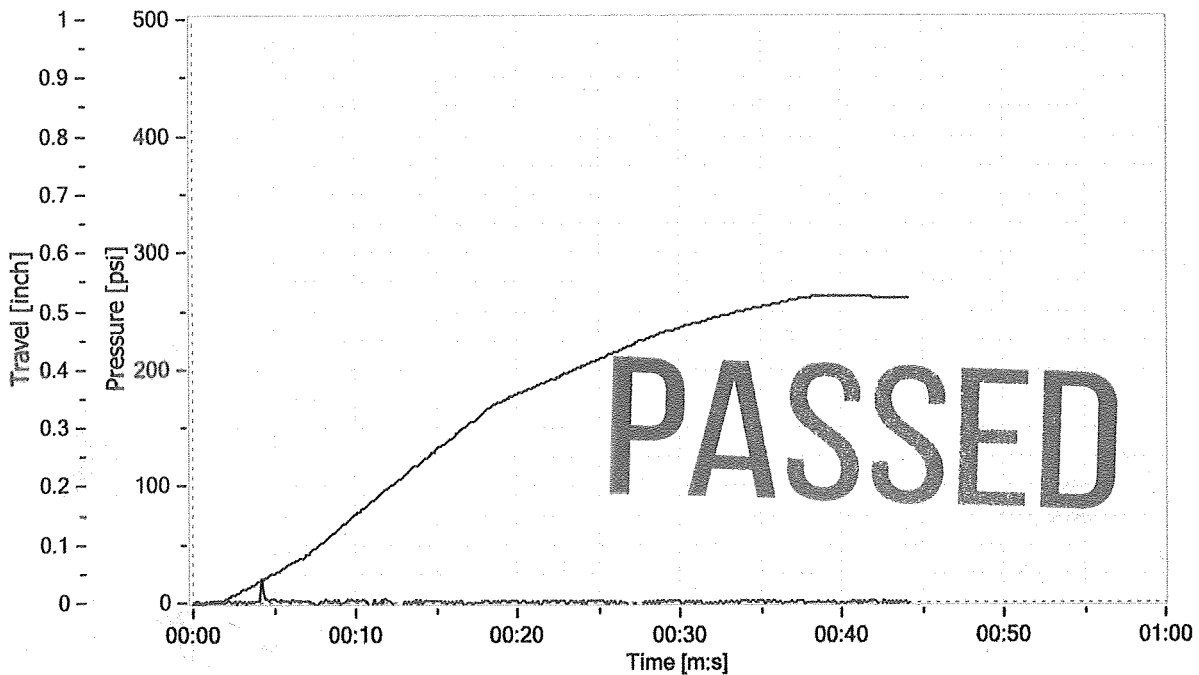
Test data

Seat tightness test

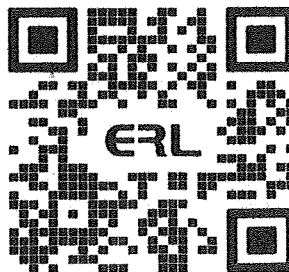
Leakage 0 bubbles/min.
Test pressure 238 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name EDUARDO PEREZ

Date 3-22-22

Signature

Inspected by USCG

Name SMGLIA, STSUC

Date 24 MAR '22

Signature

Safety valve inspection report

Certificate nr 1858
Date 03-22-2022

Job no. LV-10301-WO
Client KIRBY INLAND MARINE
Barge # CHICKASAW

Set pressure (cold) 264 psi
Manufacturer CONSOLIDATED
Type / Model 1910Q
Serial No. SC82408

Valve data

Size 6XQX8
Rating 300X150
Nozzle / Orifice Q

Set pressure test

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

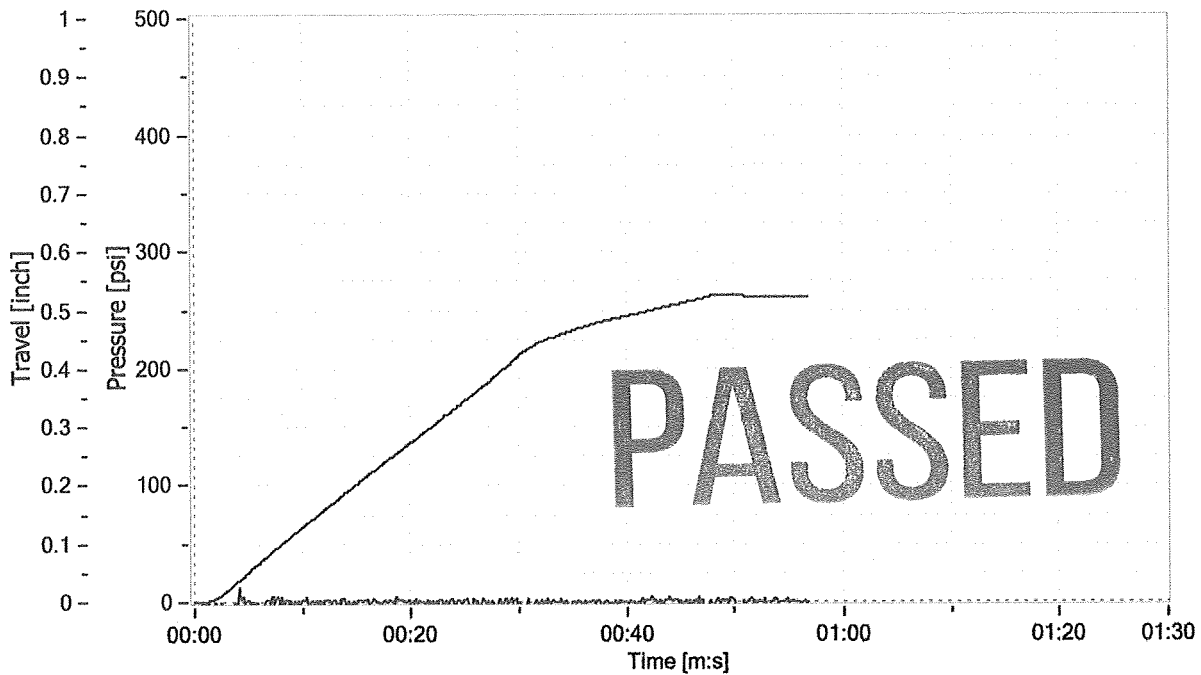
Test data

Seat tightness test

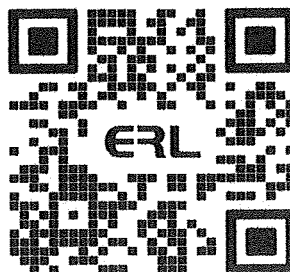
Leakage 0 bubbles/min.
Test pressure 238 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name EDUARDO PEREZ

Date 3-22-22

Signature

Inspected by USCG

Name SHELIA STEVE

Date 24 MAR 22

Signature

ST SALL CWO

Safety valve inspection report

Certificate nr 1859
Date 03-22-2022

Job no. LV-10301-WO
Client KIRBY INLAND MARINE
Barge # CHICKASAW

Set pressure (cold) 264 psi
Manufacturer CONSOLIDATED
Type / Model 1910Q
Serial No. SD14994

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

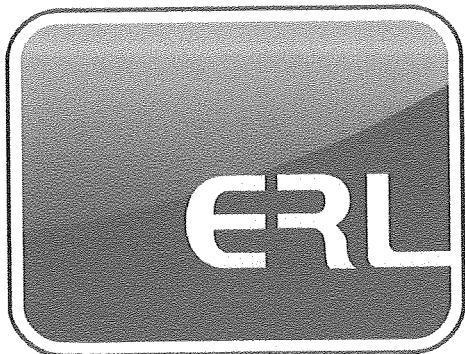
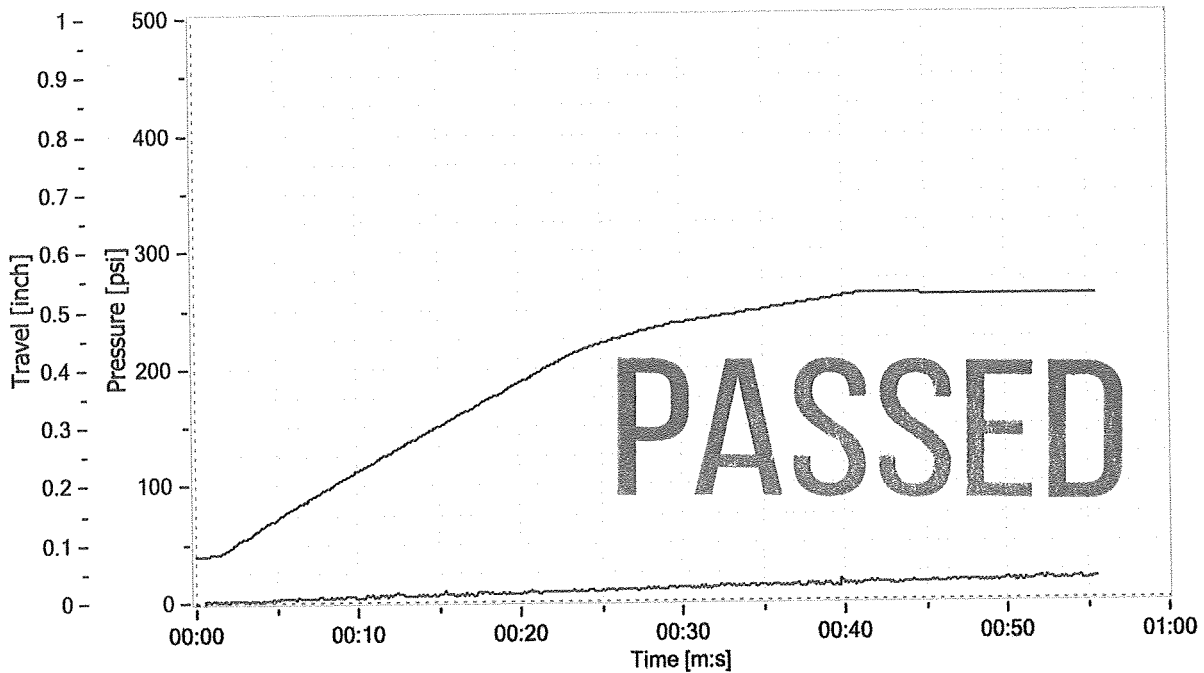
Test data

Seat tightness test

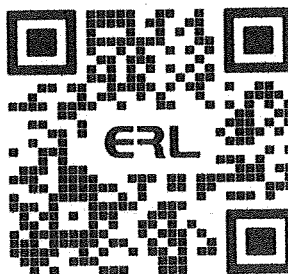
Leakage 0 bubbles/min.
Test pressure 238 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name EDUARDO PEREZ

Date 3-22-22

Signature *[Handwritten Signature]*

Inspected by USCA

Name SMELIA, STEVE

Date 24 MAR '22

Signature *[Handwritten Signature]* CWJ

Safety valve inspection report

Certificate nr 1860
Date 03-22-2022

Job no. LV-10301-WO
Client KIRBY INLAND MARINE
Barge # CHICKASAW

Set pressure (cold) 264 psi
Manufacturer CONSOLIDATED
Type / Model 1910Q
Serial No. SD15001

Valve data

Size 6XQX8
Rating 300X150
Nozzle / Orifice Q

Set pressure test

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

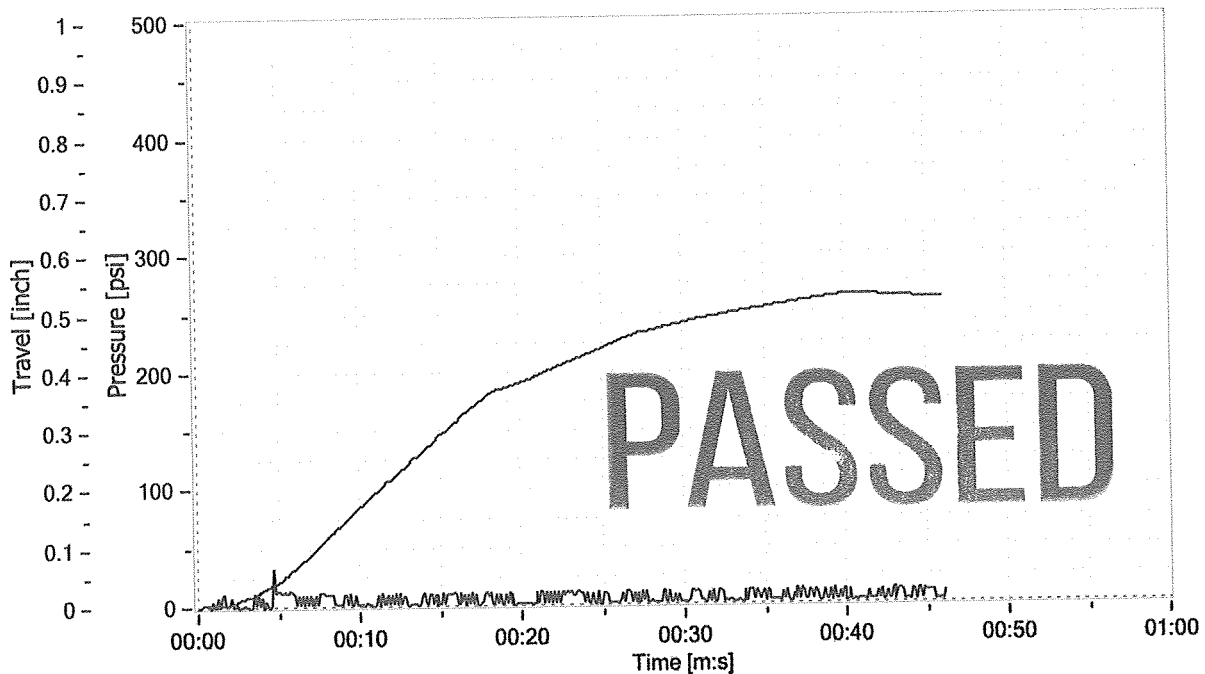
Test data

Seat tightness test

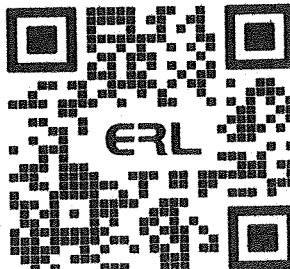
Leakage 0 bubbles/min.
Test pressure 238 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by
Name EDUARDO PEREZ
Date 3-22-22
Signature *[Handwritten Signature]*

Inspected by USCA
Name SMBCUA, STEVE
Date 24 MAR '22
Signature *[Handwritten Signature]*

Safety valve inspection report

Certificate nr 1884
Date 03-25-2022

Job no. LV-10264-SO
Client Kirby Inland Marine
Barge # CHICKASAW

Set pressure (cold) 480 psi
Manufacturer Aquatrol
Type / Model 742DG1V2K1
Serial No. J211128-5

Valve data

Size 1xDx1
Rating
Nozzle / Orifice D

Set pressure test

Found set pressure 488 psi
Reseat pressure (indication) 479 psi
Result Passed
Test method Air

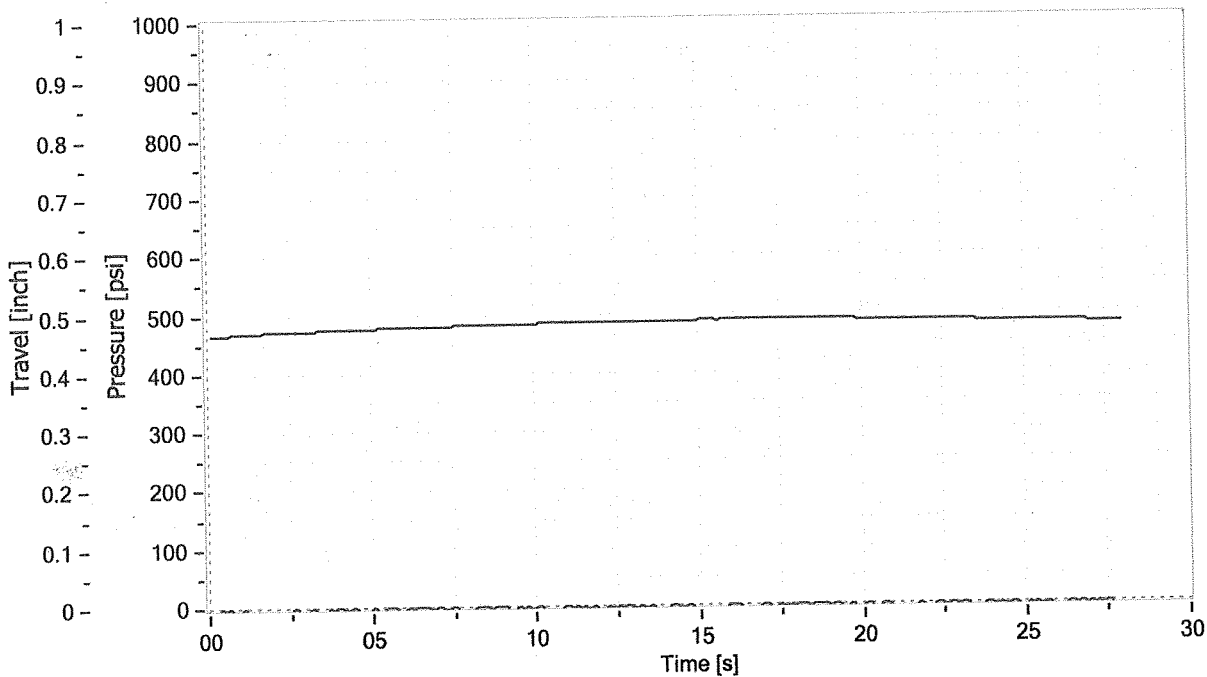
Test data

Seat tightness test

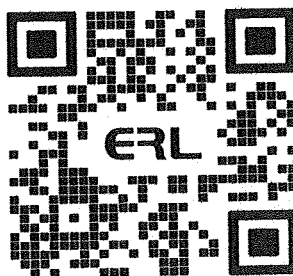
Leakage 0 bubbles/min.
Test pressure 462 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by
Name Javier Gutierrez
Date 3-25-22
Signature *[Handwritten Signature]*

Inspected by
Name Hope Borders
Date 3-25-2022
Signature *[Handwritten Signature]*

Safety valve inspection report

Certificate nr 1885
Date 03-25-2022

Job no. LV-10264-SO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Set pressure (cold) 480 psi
Manufacturer Aquatrol
Type / Model 742GD1V2K1
Serial No. J211128-3

Size 1xDx1
Rating
Nozzle / Orifice D

Test data

Set pressure test

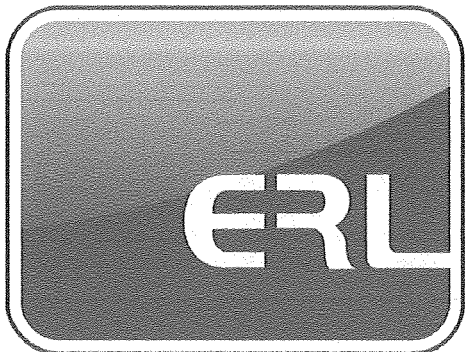
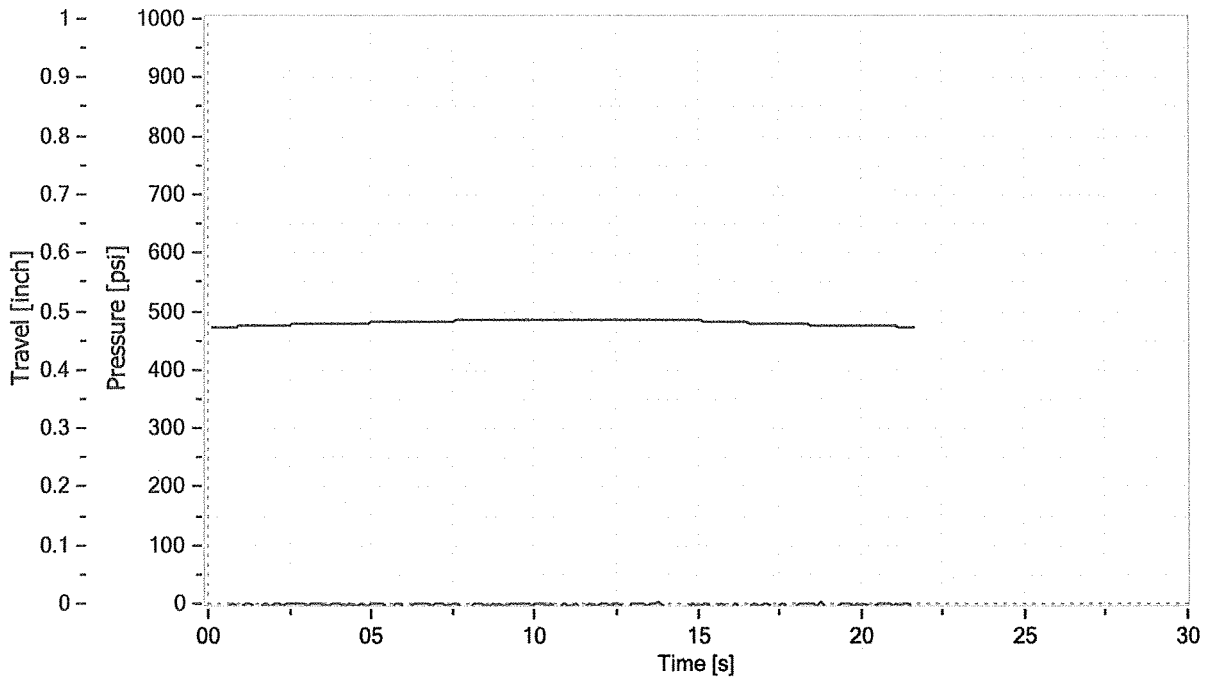
Found set pressure 485 psi
Reseat pressure (indication) 473 psi
Result Passed
Test method Air

Seat tightness test

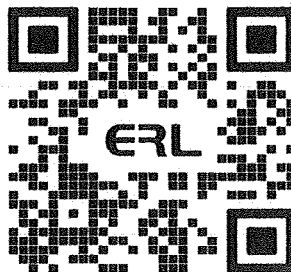
Leakage 0 bubbles/min.
Test pressure 453 psi
Result Passed

Backpressure test

Pressure 31 psi
Result Passed



INTERLINK



Tested by

Name

Javier Gutierrez

Date

3-25-22

Signature

Inspected by

Name

Hope Borders

Date

3-25-22

Signature

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1869
Date 03-23-2022

Job no. LV-10300-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 103001

Size 6"
Rating 300
Fluid Liquid

Test results

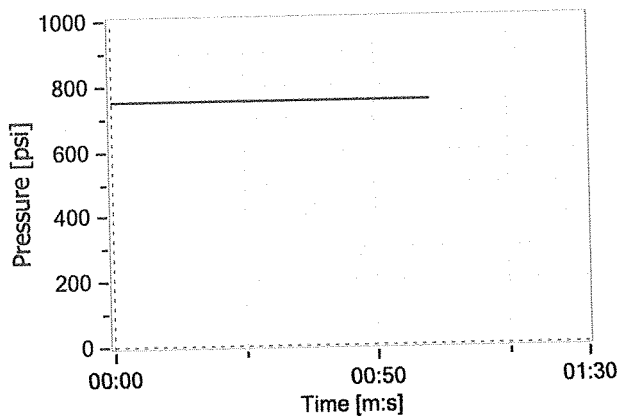
Body test

Pressure 753 psi
Time 1:00

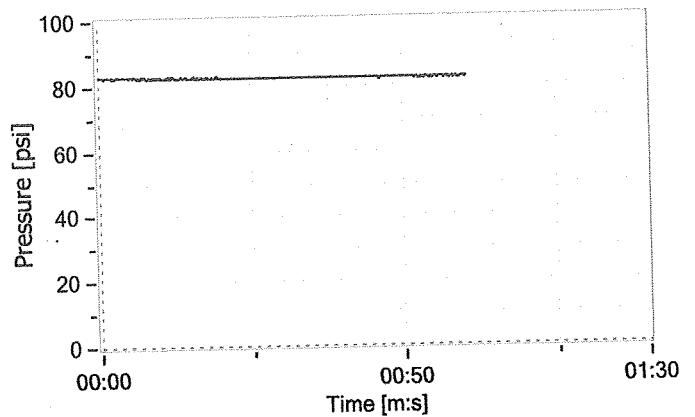
Seat tests

	AB	BA
Pressure	83 psi	83 psi
Time	1:01	1:01
Leakage	0 bubbles/min.	0 bubbles/min.

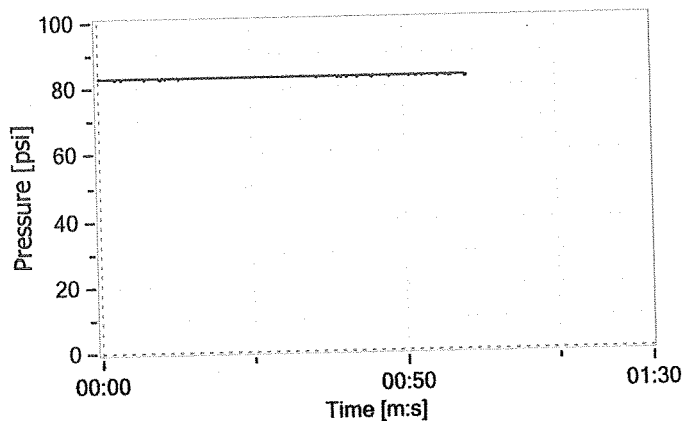
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



Tested by

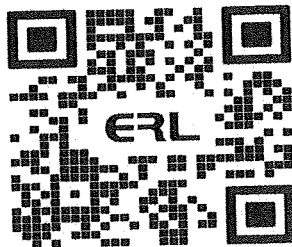
Name David Theiler
Date 3-23-22
Signature *[Signature]*

Inspected by

Name Javier Gutierrez
Date 3-23-22
Signature *[Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1870
Date 03-23-2022

Job no. LV-10300-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 103002

Size 6"
Rating 300
Fluid Liquid

Test results

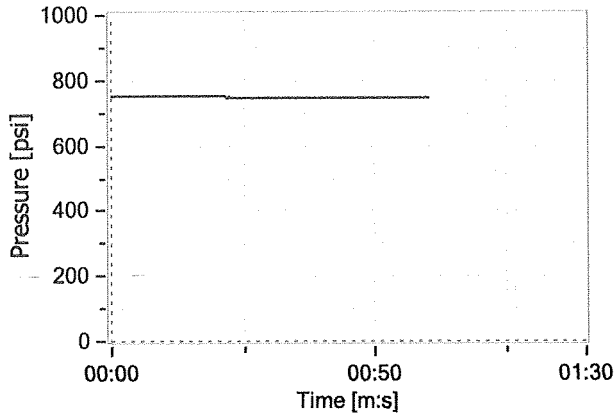
Body test

Pressure 751 psi
Time 1:00

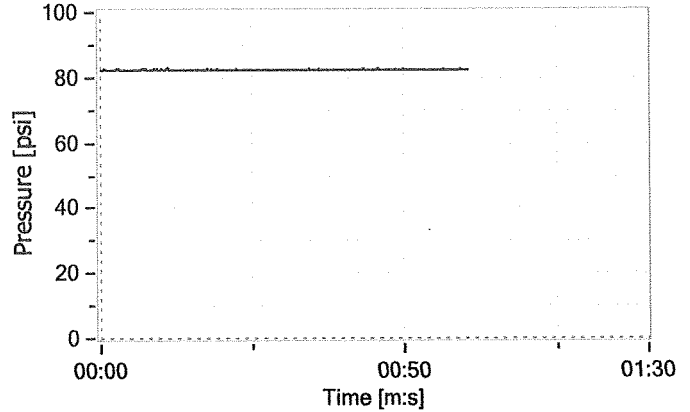
Seat tests

	AB	BA
Pressure	82 psi	82 psi
Time	1:01	1:01
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



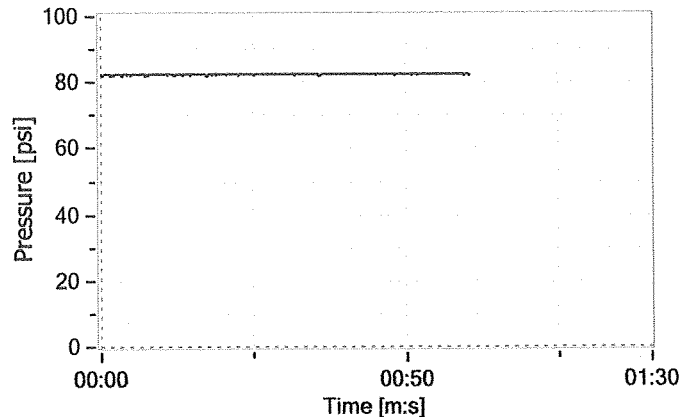
SEAT TEST GRAPH AB



Tested by

Name David Theiler
Date 3-23-22
Signature *[Signature]*

SEAT TEST GRAPH BA

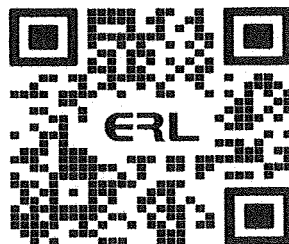


Inspected by

Name Javier Gutierrez
Date 3-23-22
Signature *[Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1871
Date 03-23-2022

Job no. LV-10300-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 103003

Size 6"
Rating 300
Fluid Liquid

Test results

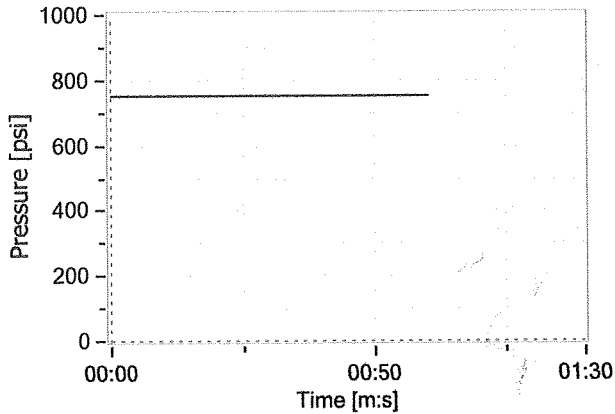
Body test

Pressure 752 psi
Time 1:00

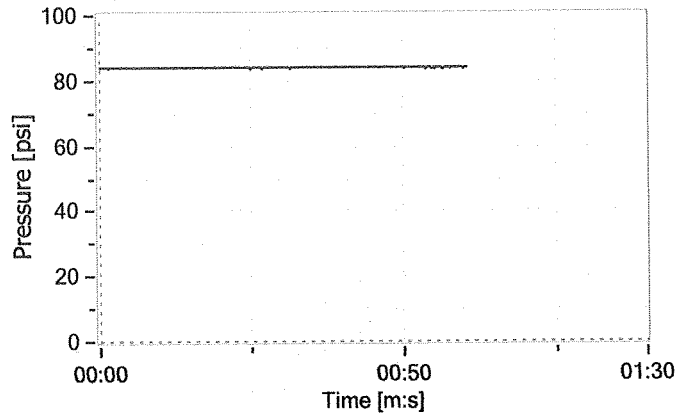
Seat tests

AB	BA
Pressure 84 psi	83 psi
Time 1:01	1:01
Leakage 0 bubbles/min.	0 bubbles/min.

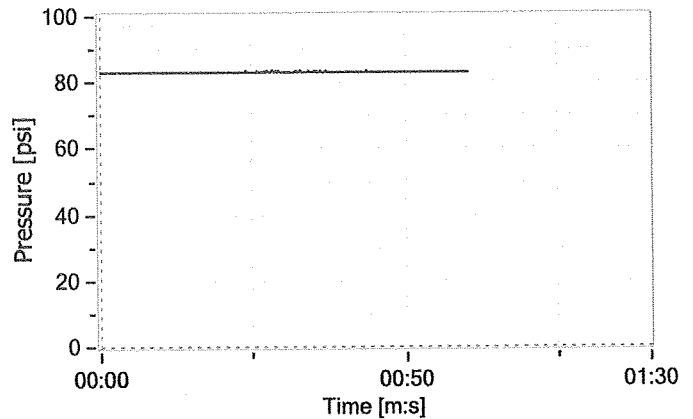
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



Tested by

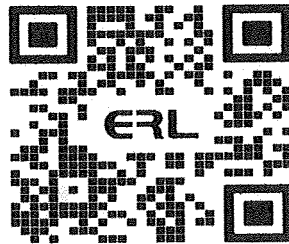
Name David Theiler
Date 3-23-22
Signature *[Signature]*

Inspected by

Name Javier Gutierrez
Date 3-23-22
Signature *[Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1872
Date 03-23-2022

Job no. LV-10300-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 103004

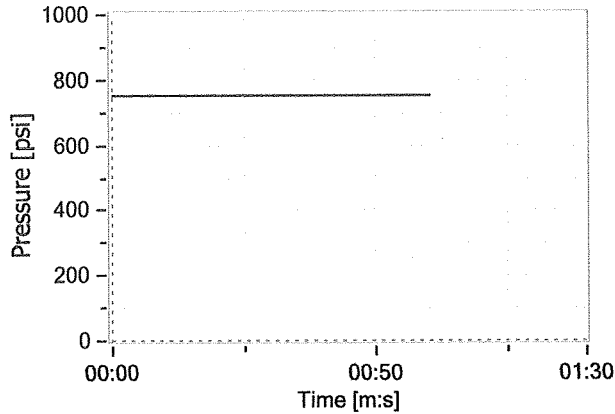
Size 6"
Rating 300
Fluid Liquid

Test results

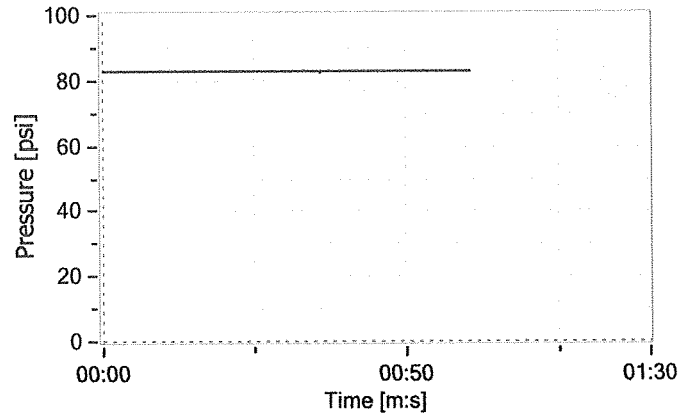
Body test
Pressure 752 psi
Time 1:00

Seat tests	AB	BA
Pressure	83 psi	82 psi
Time	1:01	1:01
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH

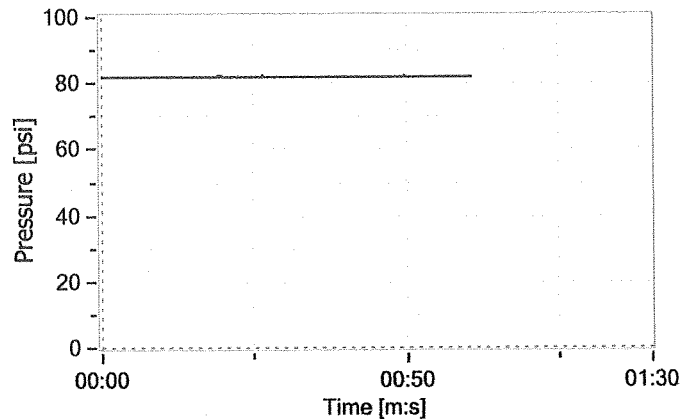


SEAT TEST GRAPH AB



Tested by
Name David Theiler
Date 3-23-22
Signature *[Signature]*

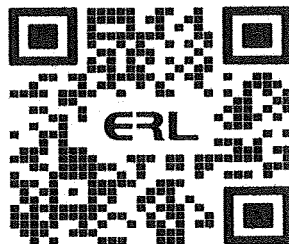
SEAT TEST GRAPH BA



Inspected by
Name Javier Gutierrez
Date 3-23-22
Signature *[Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1873
Date 03-23-2022

Job no. LV-10300-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 103005

Size 6"
Rating 300
Fluid Liquid

Test results

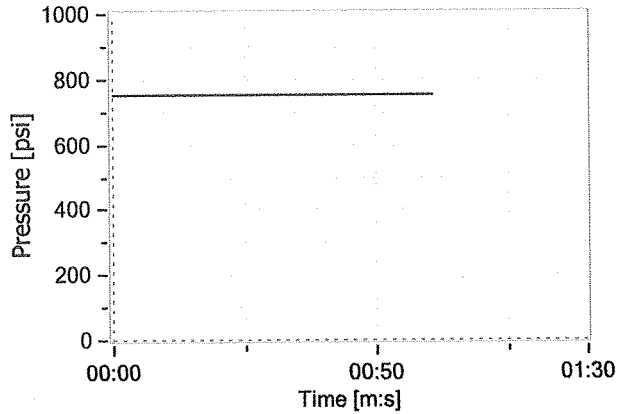
Body test

Pressure 753 psi
Time 1:00

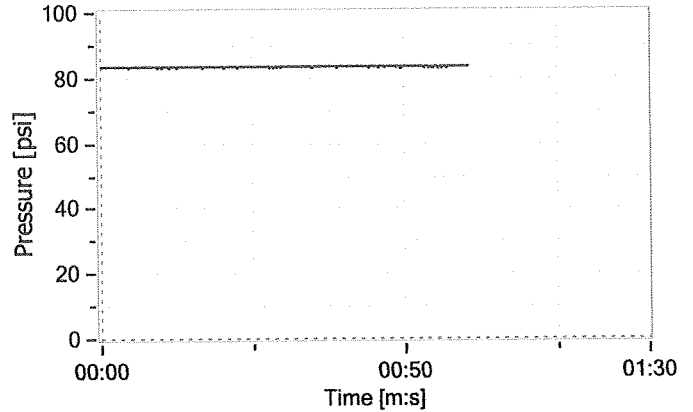
Seat tests

AB	BA
Pressure 83 psi	83 psi
Time 1:01	1:01
Leakage 0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



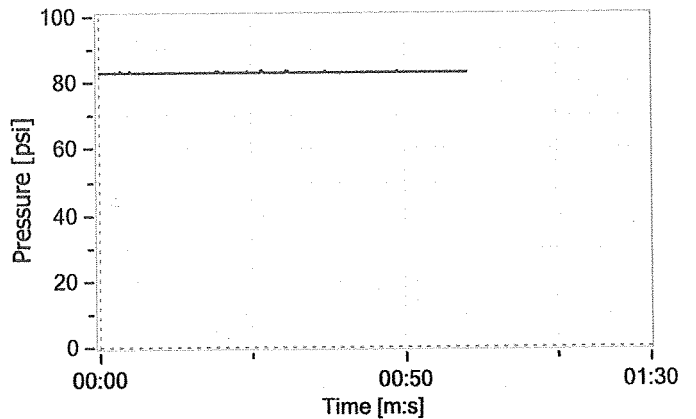
SEAT TEST GRAPH AB



Tested by

Name David Theiler
Date 3-23-22
Signature *[Signature]*

SEAT TEST GRAPH BA

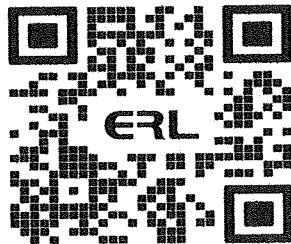


Inspected by

Name Javier Gutierrez
Date 3-23-22
Signature *[Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1874
Date 03-23-2022

Job no. LV-10300-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 103007

Size 6"
Rating 300
Fluid Liquid

Test results

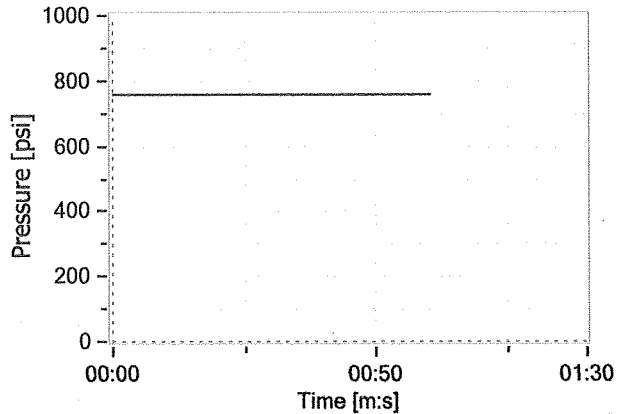
Body test

Pressure 756 psi
Time 1:00

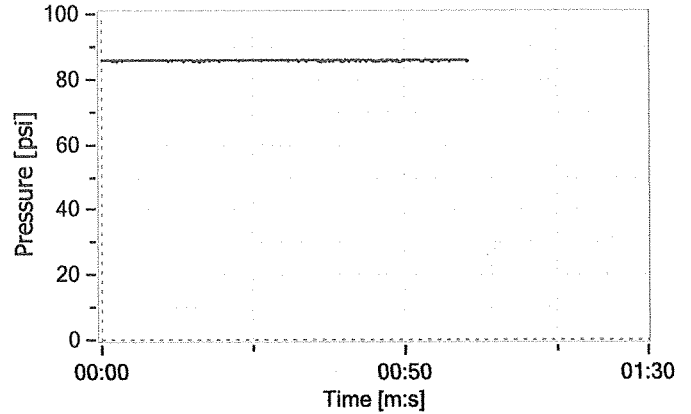
Seat tests

AB	BA
Pressure 86 psi	84 psi
Time 1:01	1:01
Leakage 0 bubbles/min.	0 bubbles/min.

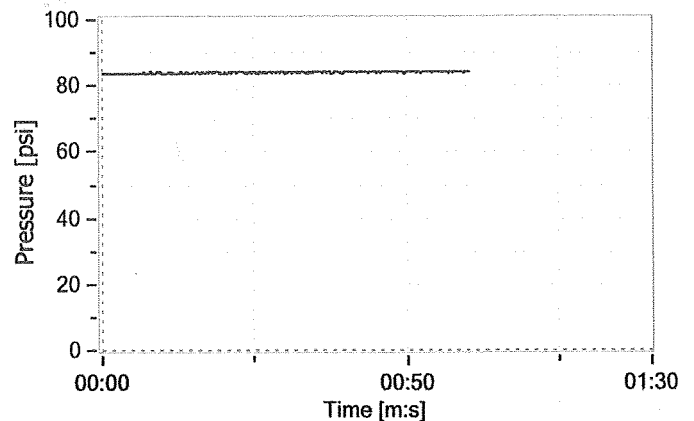
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



Tested by

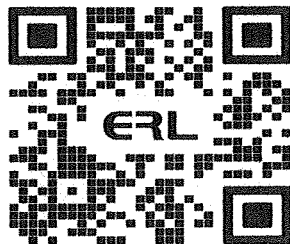
Name David Theller
Date 3-23-22
Signature *[Signature]*

Inspected by

Name Javier Gutierrez
Date 3-23-22
Signature *[Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1875
Date 03-23-2022

Job no. LV-10300-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 74251

Size 6"
Rating 300
Fluid Liquid

Test results

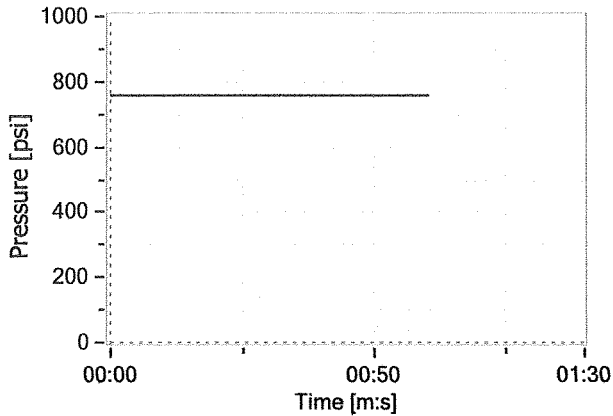
Body test

Pressure 755 psi
Time 1:00

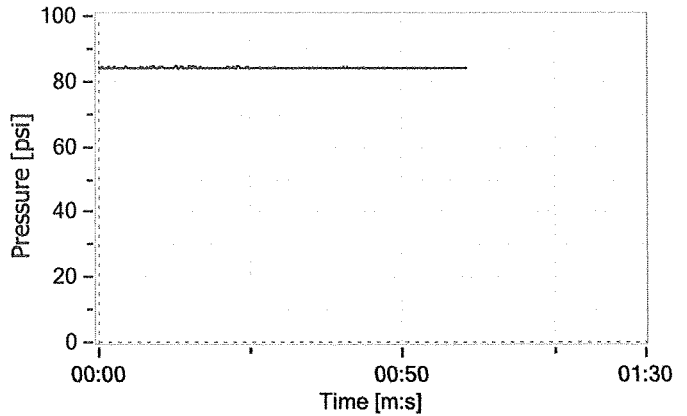
Seat tests

	AB	BA
Pressure	84 psi	86 psi
Time	1:01	1:01
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



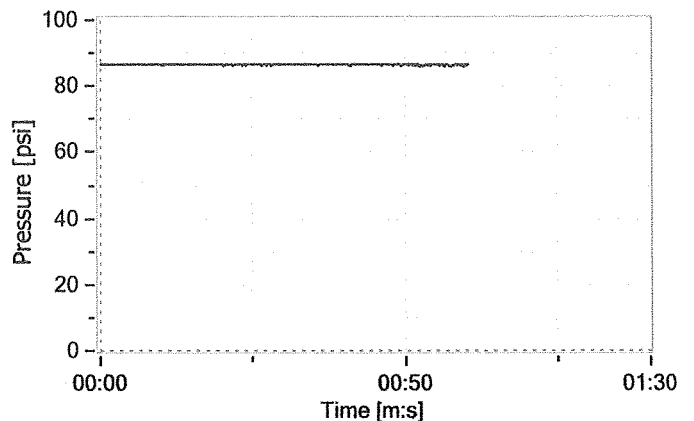
SEAT TEST GRAPH AB



Tested by

Name David Theiler
Date 3-23-22
Signature *[Handwritten Signature]*

SEAT TEST GRAPH BA

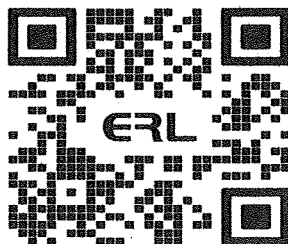


Inspected by

Name Javier Gutierrez
Date 3-23-22
Signature *[Handwritten Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1879
Date 03-24-2022

Job no. LV-9211-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 70141

Size 6"
Rating 300
Fluid Liquid

Test results

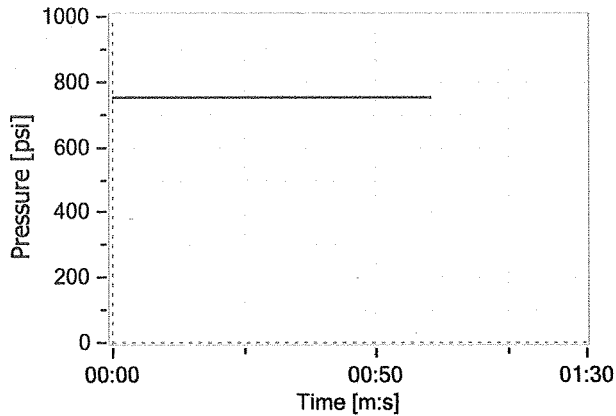
Body test

Pressure 753 psi
Time 1:00

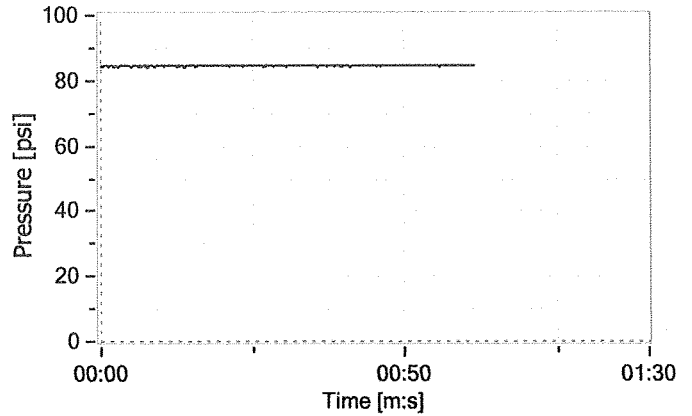
Seat tests

AB	BA
Pressure 84 psi	83 psi
Time 1:02	1:01
Leakage 0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



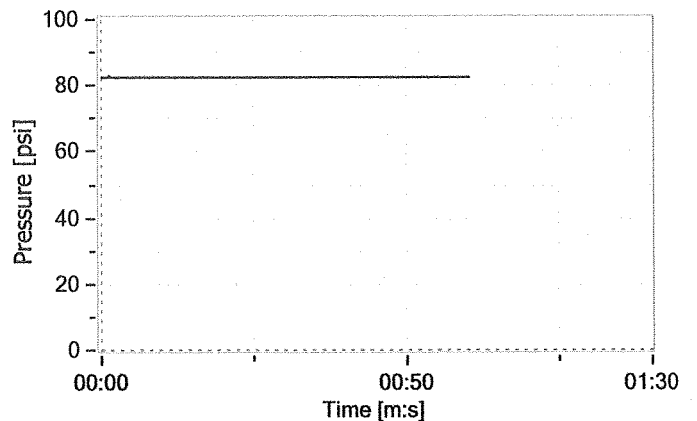
SEAT TEST GRAPH AB



Tested by

Name David Theiler
Date 3-24-22
Signature *[Signature]*

SEAT TEST GRAPH BA

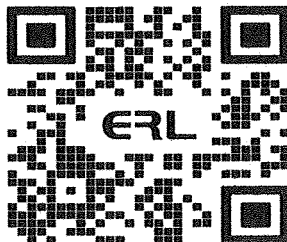


Inspected by

Name Javier Gutierrez
Date 3-24-22
Signature *[Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1856
Date 03-21-2022

Job no. LV-10299-WO
Client Kirby Inland Marine
Barge # CHIKASAW

Valve data

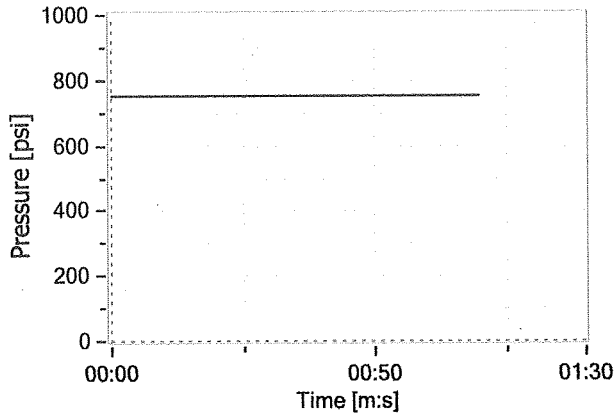
Manufacturer Warren
Type / Model 6806FS
Serial No. 102991

Size 4
Rating 300
Fluid Liquid

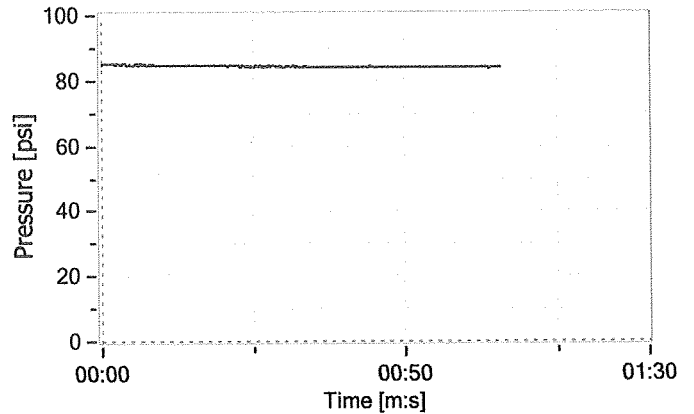
Test results

Body test		Seat tests	AB	BA
Pressure	752 psi	Pressure	85 psi	81 psi
Time	1:09	Time	1:06	1:02
		Leakage	0 bubbles/min.	0 bubbles/min.

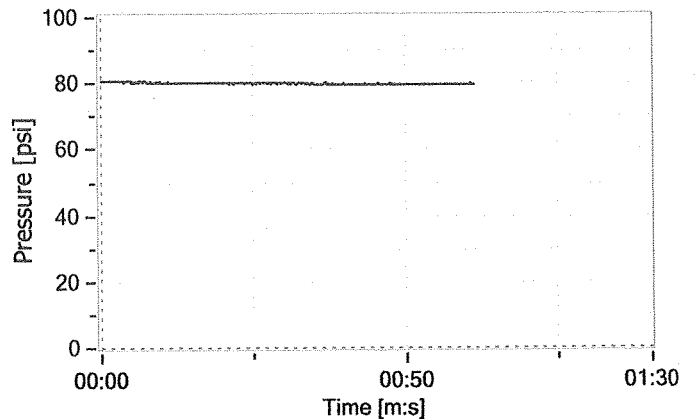
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA

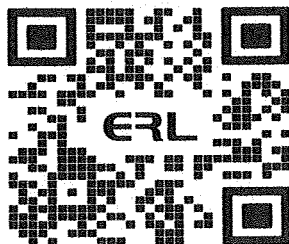


Tested by
Name Javier Gutierrez
Date 3-21-22
Signature *[Handwritten Signature]*

Inspected by
Name David T.
Date 3-21-22
Signature *[Handwritten Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1857
Date 03-21-2022

Job no. LV-10299-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6308FS
Serial No. 102992

Size 4
Rating 300
Fluid Liquid

Test results

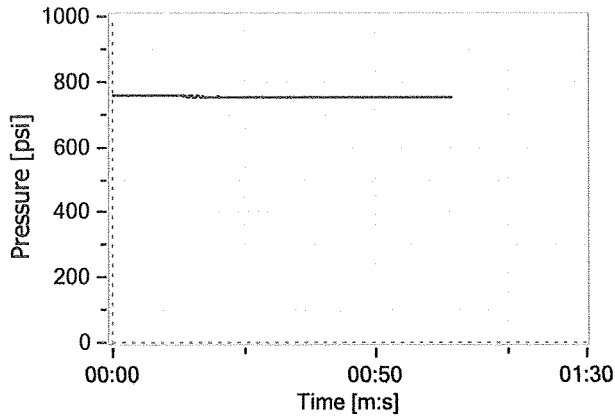
Body test

Pressure 755 psi
Time 1:04

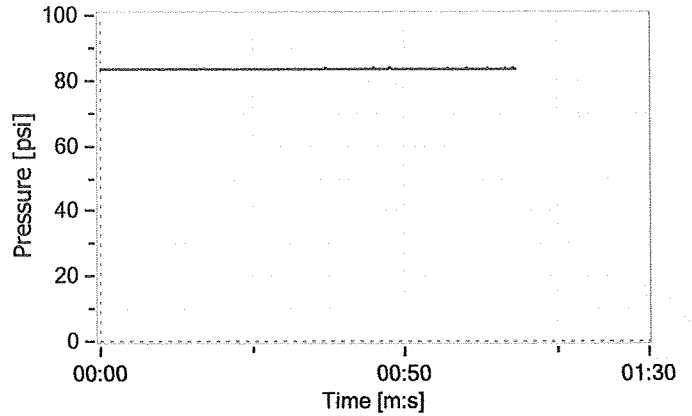
Seat tests

	AB	BA
Pressure	83 psi	86 psi
Time	1:09	1:05
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



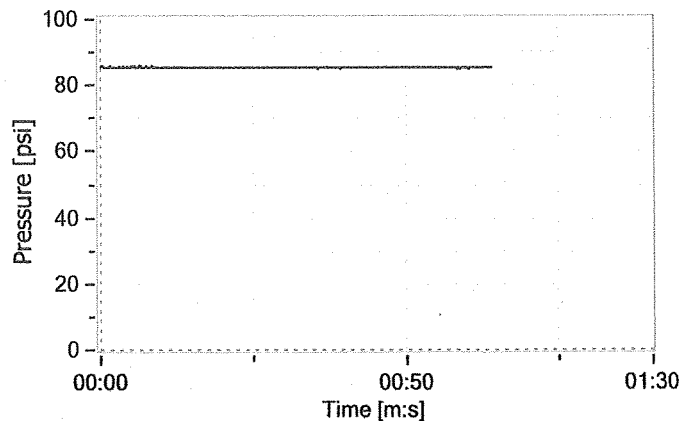
SEAT TEST GRAPH AB



Tested by

Name Javier Gutierrez
Date 3-21-22
Signature *[Signature]*

SEAT TEST GRAPH BA

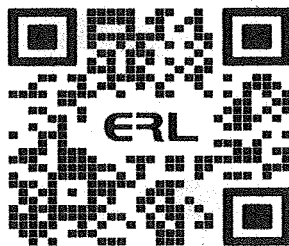


Inspected by

Name David T
Date 3-21-22
Signature *[Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1862
Date 03-22-2022

Job no. LV-10299-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 102993

Size 4
Rating 300
Fluid Liquid

Test results

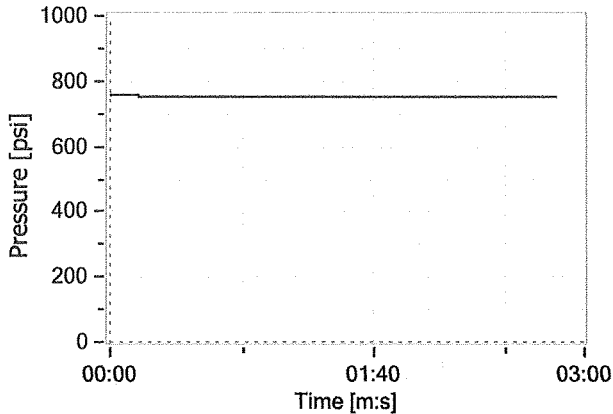
Body test

Pressure 756 psi
Time 2:49

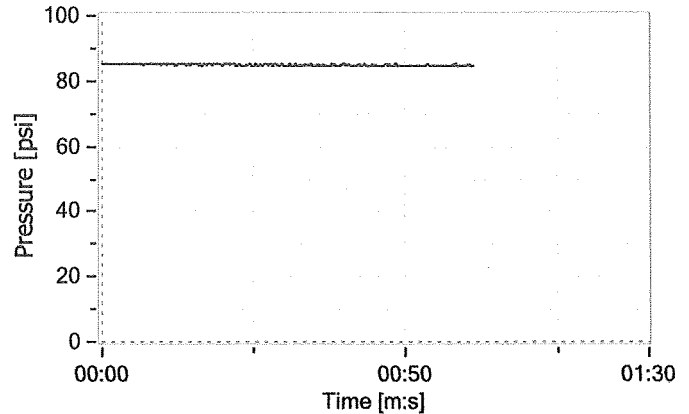
Seat tests

	AB	BA
Pressure	85 psi	84 psi
Time	1:02	1:02
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



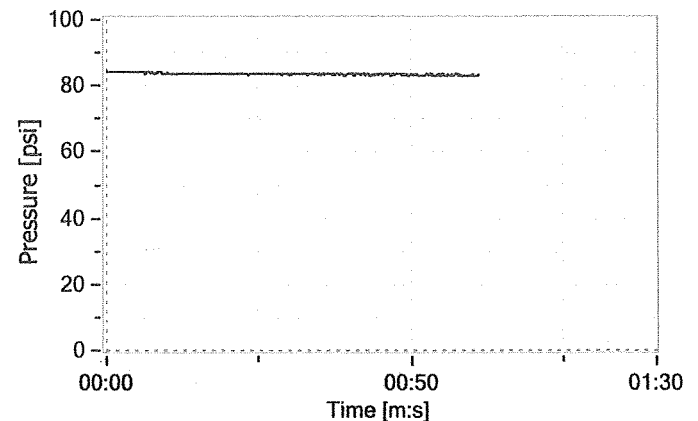
SEAT TEST GRAPH AB



Tested by

Name *Javier Gutierrez*
Date *3-22-22*
Signature *[Handwritten Signature]*

SEAT TEST GRAPH BA

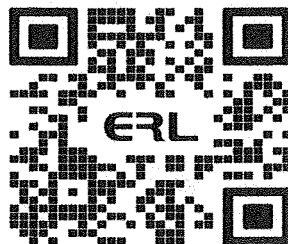


Inspected by

Name *David T*
Date *3/22/22*
Signature *[Handwritten Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1863
Date 03-22-2022

Job no. LV-10299-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 102994

Size 4
Rating 300
Fluid Liquid

Test results

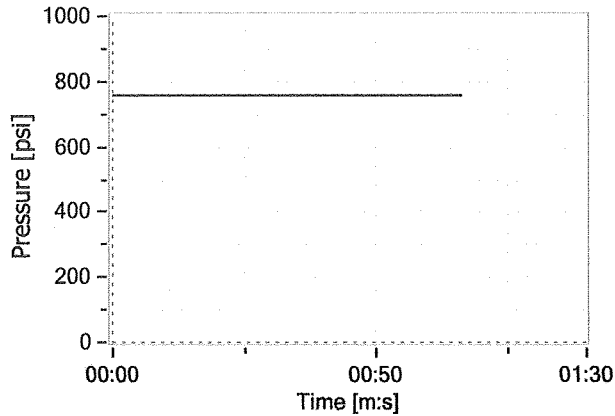
Body test

Pressure 758 psi
Time 1:06

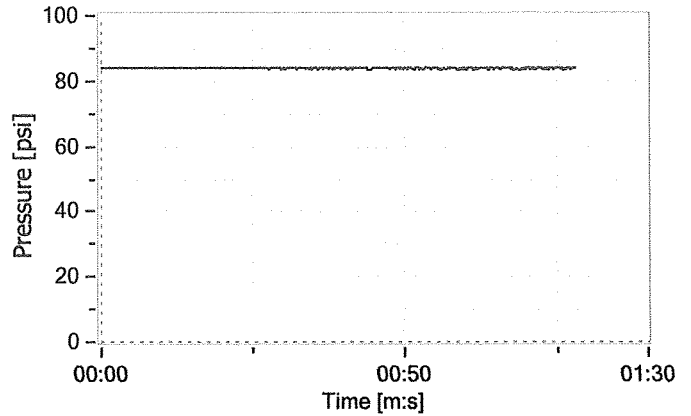
Seat tests

	AB	BA
Pressure	84 psi	84 psi
Time	1:19	1:16
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



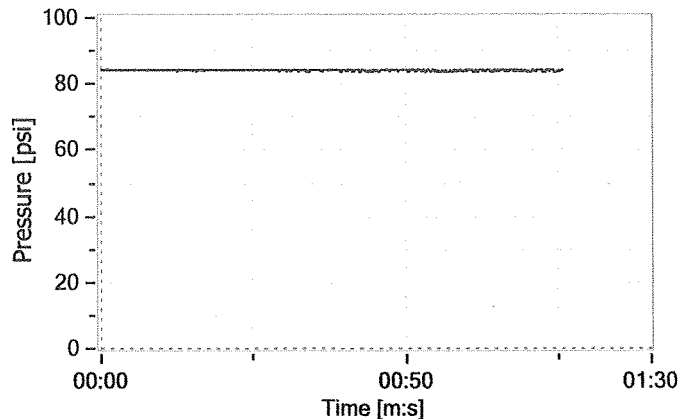
SEAT TEST GRAPH AB



Tested by

Name *Javier Gutierrez*
Date *3-22-22*
Signature *[Signature]*

SEAT TEST GRAPH BA

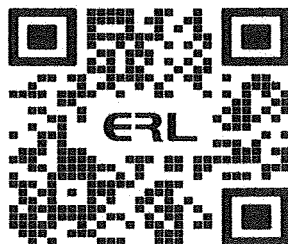


Inspected by

Name *David T*
Date *3-22-22*
Signature *[Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1864
Date 03-22-2022

Job no. LV-10299-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 102995

Size 4
Rating 300
Fluid Liquid

Test results

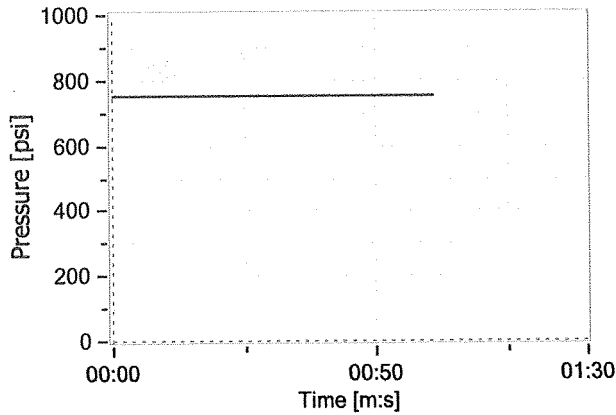
Body test

Pressure 754 psi
Time 1:01

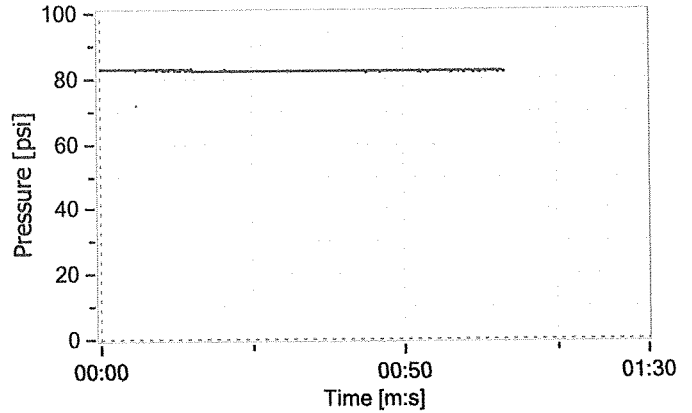
Seat tests

	AB	BA
Pressure	83 psi	86 psi
Time	1:07	1:03
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



SEAT TEST GRAPH AB



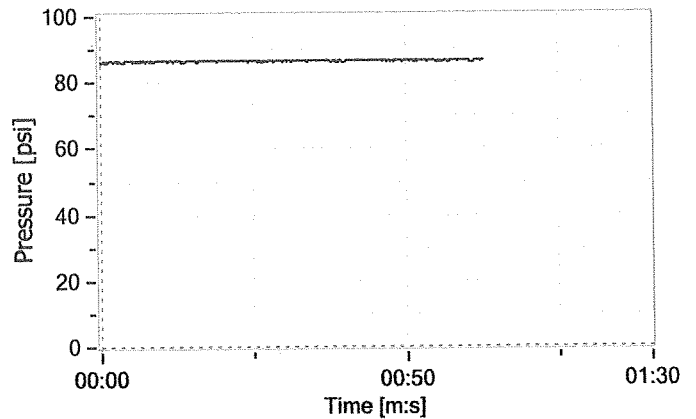
Tested by

Name Javier Gutierrez
Date 3-22-22
Signature *[Signature]*

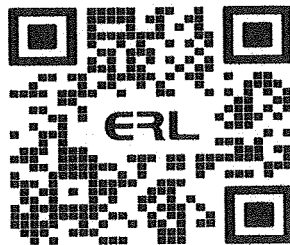
Inspected by

Name David T
Date 3/22/22
Signature *[Signature]*

SEAT TEST GRAPH BA



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1865
Date 03-22-2022

Job no. LV-10299-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 102996

Size 4
Rating 300
Fluid Liquid

Test results

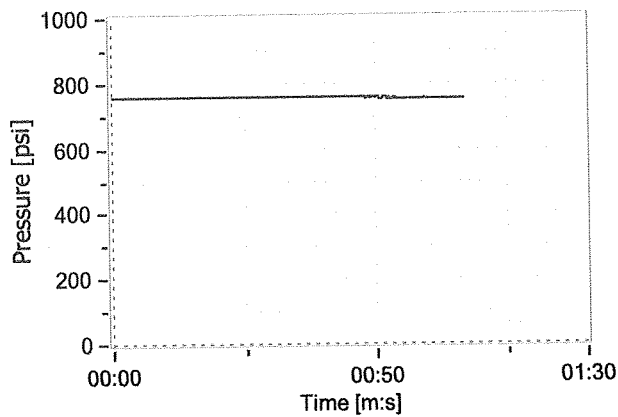
Body test

Pressure 757 psi
Time 1:07

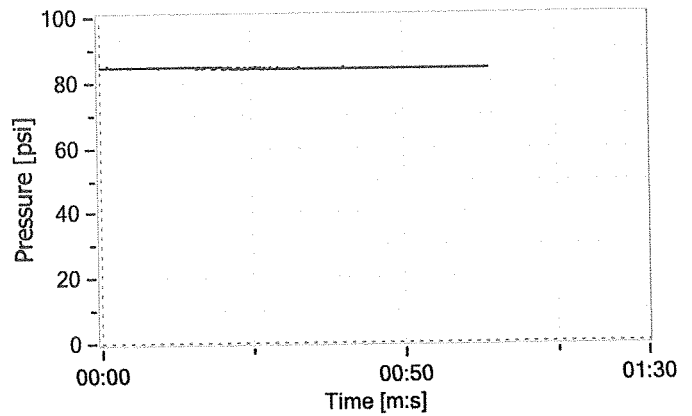
Seat tests

	AB	BA
Pressure	85 psi	84 psi
Time	1:05	1:04
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



SEAT TEST GRAPH AB



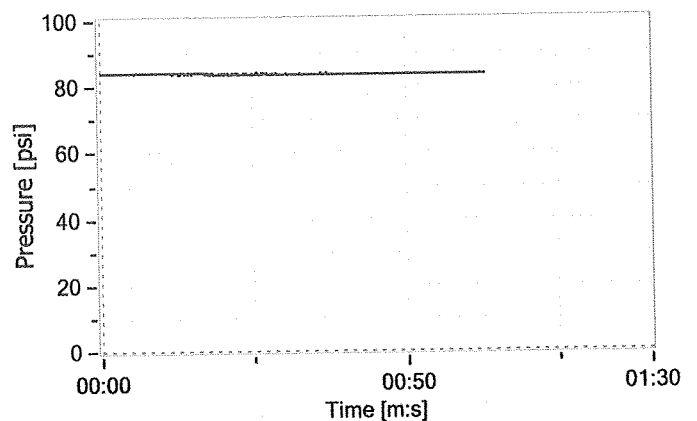
Tested by

Name Javier Gutierrez
Date 3-22-22
Signature *[Signature]*

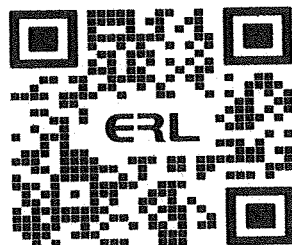
Inspected by

Name David T
Date 3-22-22
Signature *[Signature]*

SEAT TEST GRAPH BA



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1866
Date 03-22-2022

Job no. LV-10299-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 3606FS
Serial No. 102997

Size 4
Rating 300
Fluid Liquid

Test results

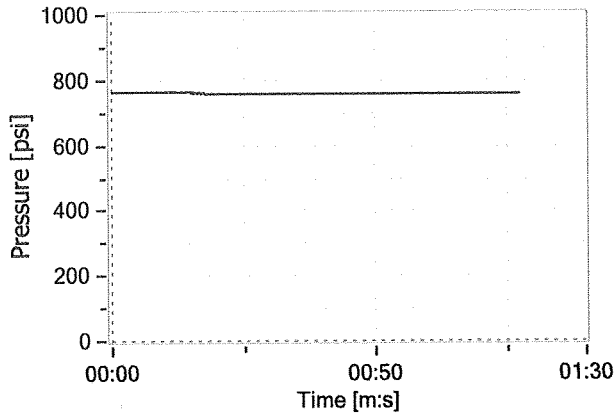
Body test

Pressure 762 psi
Time 1:17

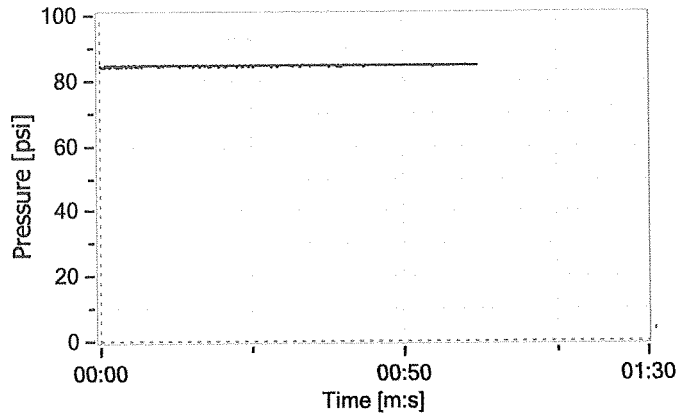
Seat tests

AB	BA
Pressure 84 psi	86 psi
Time 1:03	1:06
Leakage 0 bubbles/min.	0 bubbles/min.

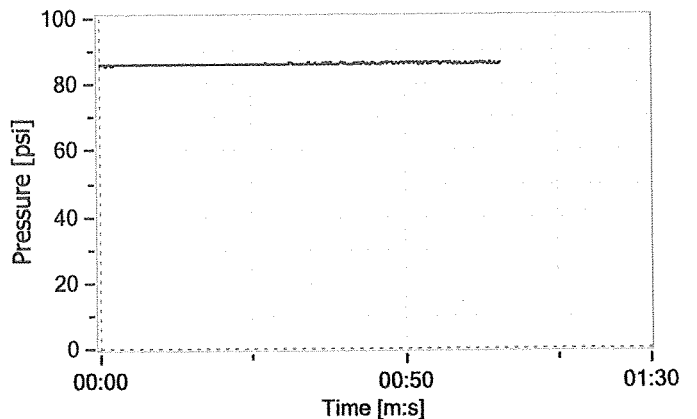
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



Tested by

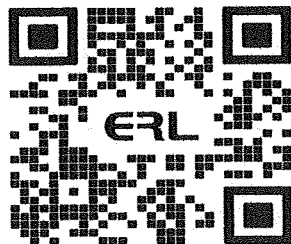
Name Javier Gutierrez
Date 3-22-22
Signature *[Handwritten Signature]*

Inspected by

Name David T.
Date 3-22-22
Signature *[Handwritten Signature]*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1867
Date 03-22-2022

Job no. LV-10299-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 52591

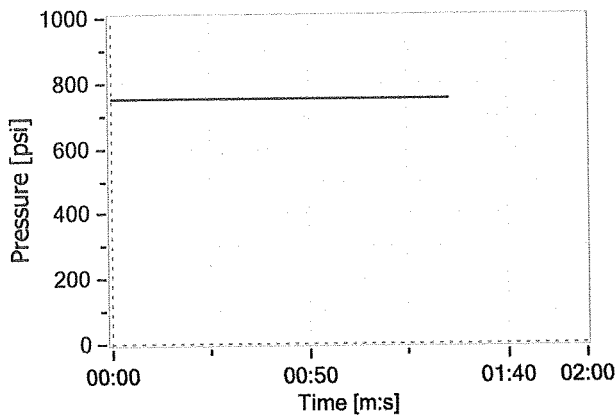
Size 4
Rating 300
Fluid Liquid

Test results

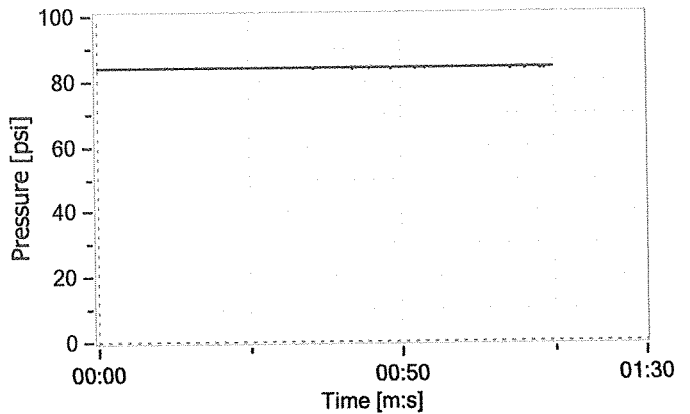
Body test
Pressure 754 psi
Time 1:25

Seat tests	AB	BA
Pressure	84 psi	86 psi
Time	1:16	1:05
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH

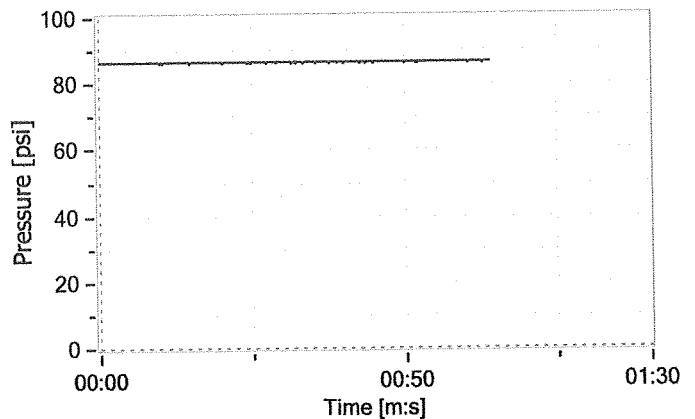


SEAT TEST GRAPH AB



Tested by
Name Javier Gutierrez
Date 3-22-22
Signature *Javier Gutierrez*

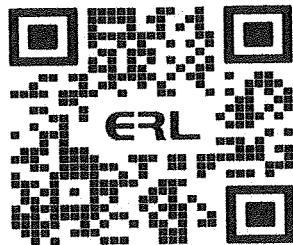
SEAT TEST GRAPH BA



Inspected by
Name David T
Date 3-22-22
Signature *David T*



INTERLINK



PASSED

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1868
Date 03-22-2022

Job no. LV-10299-WO
Client Kirby Inland Marine
Barge # CHICKASAW

Valve data

Manufacturer Warren
Type / Model 6306FS
Serial No. 52532

Size 4
Rating 300
Fluid Liquid

Test results

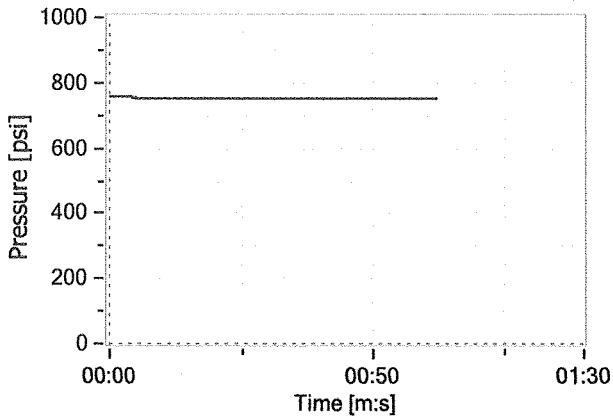
Body test

Pressure 755 psi
Time 1:02

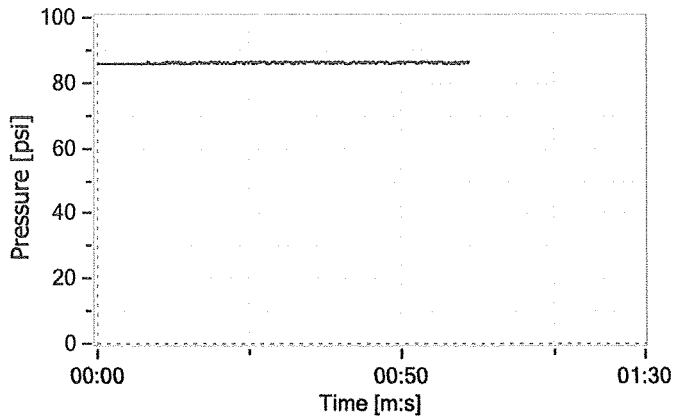
Seat tests

	AB	BA
Pressure	86 psi	88 psi
Time	1:02	1:11
Leakage	0 bubbles/min.	0 bubbles/min.

BODY TEST GRAPH



SEAT TEST GRAPH AB



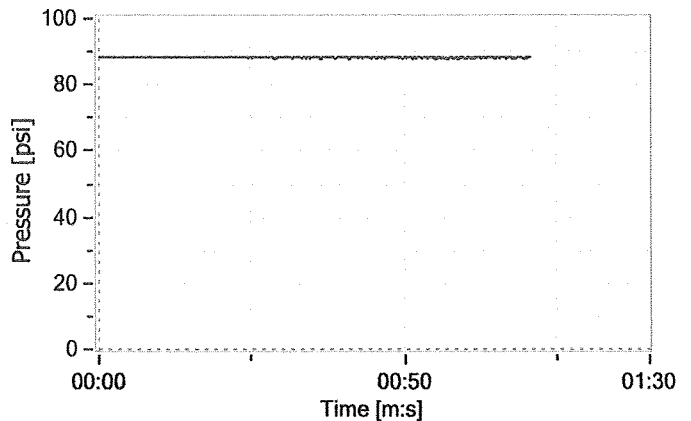
Tested by

Name Javier Gutierrez
Date 3-22-22
Signature *[Handwritten Signature]*

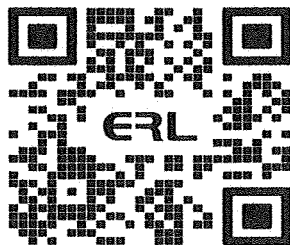
Inspected by

Name David T
Date 3-22-22
Signature *[Handwritten Signature]*

SEAT TEST GRAPH BA



INTERLINK



PASSED

Law Valve of Texas

Warren Ball Valve Rebuild Condition Report

Job # LV-10299-WO
Barge # CHICKASAW
Date: 3/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102991

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100	<input type="checkbox"/> 450 <input type="checkbox"/> 1125
	<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads				
	<input checked="" type="checkbox"/> Verified all body bolts are torqued				

Test Date: 3-21-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10299-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102991

Body seat pocket ACTUAL Minor I.D. .619 Major I.D. 5.365 OAL 4.090

Cap seat pocket ACTUAL Minor I.D. .616 Major I.D. 5.379 OAL 1.773

Body packing pocket ACTUAL I.D. 1.691 Depth .639

Stem sleeve I.D. 1.392
Stem ACTUAL O.D. 1.375 Length 3.795

Collar teflon PFTE sleeve O.D. 1.381 Thickness .042

Ball ACTUAL O.D. 6.418
Ball MFG O.D. 6.421"

Teflon PFTE thrust washer:
ACTUAL I.D. 1.388 O.D. 1.666 Thickness .011
MFG I.D. 1.378" O.D. 1.653" Thickness 0.039"

New seat ACTUAL I.D. 4.174 O.D. 5.378 Thickness .549
I.D. 4.175 O.D. 5.372 Thickness .55

New seat MFG I.D. 4.172" O.D. 5.391" Thickness 0.547"

New packing ACTUAL I.D. 1.355 O.D. 1.706 Height .945
New packing MFG I.D. 1.375" O.D. 1.685" Height 0.781"

Body gasket ACTUAL I.D. 6.489 O.D. 6.975 Thickness .148
Body gasket MFG I.D. 6.535" O.D. 7.046" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 6.513 Major O.D. 7.045 Depth .366
BODY Minor I.D. 6.497 Major I.D. 7.041 Depth .323

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10299-WO
Barge # CHICKASAW
Date: 3/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102992

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other


Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100 750	<input type="checkbox"/> 450 <input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads					
<input checked="" type="checkbox"/> Verified all body bolts are torqued					

Test Date: 3-21-22 Technician:  Witness: 

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10299-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102992

Body seat pocket ACTUAL Minor I.D. .621 Major I.D. 5.378 OAL 4.091

Cap seat pocket ACTUAL Minor I.D. .616 Major I.D. 5.325 OAL 1.775

Body packing pocket ACTUAL I.D. 1.688 Depth .633

Stem sleeve I.D. 1.38
Stem ACTUAL O.D. 1.375 Length 3.792

Collar teflon PFTE sleeve O.D. 1.381 Thickness .042

Ball ACTUAL O.D. 6.418
Ball MFG O.D. 6.421"

Teflon PFTE thrust washer:
ACTUAL I.D. 1.383 O.D. 1.688 Thickness .072
MFG I.D. 1.378" O.D. 1.653" Thickness 0.039"

New seat ACTUAL I.D. 4.178 O.D. 5.378 Thickness .549
I.D. 4.169 O.D. 5.368 Thickness .55

New seat MFG I.D. 4.172" O.D. 5.391" Thickness 0.547"

New packing ACTUAL I.D. 1.351 O.D. 1.703 Height .989
New packing MFG I.D. 1.375" O.D. 1.685" Height 0.781"

Body gasket ACTUAL I.D. 6.495 O.D. 6.977 Thickness .147
Body gasket MFG I.D. 6.535" O.D. 7.046" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 6.506 Major O.D. 7.048 Depth .365
BODY Minor I.D. 6.507 Major I.D. 7.048 Depth .319

Torque: 1 _____ 2 _____ 3 _____

Law Valve of Texas

Warren Ball Valve Rebuild Condition Report

Job # LV-10299-WO
Barge # CHICKASAW
Date: 3/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102993

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100-750	<input type="checkbox"/> 450 <input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads					
<input checked="" type="checkbox"/> Verified all body bolts are torqued					

Test Date: 3-22-21 Technician: [Signature] Witness: [Signature]

Warren Ball Valve Rebuild Measurement Log

Job # LV-10299-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102993

Body seat pocket ACTUAL Minor I.D. .622 Major I.D. 5.43 OAL 4.096

Cap seat pocket ACTUAL Minor I.D. .619 Major I.D. 5.385 OAL 1.771

Body packing pocket ACTUAL I.D. 1.693 Depth .636

Stem sleeve I.D. 1.384
Stem ACTUAL O.D. 1.375 Length 3.788

Collar teflon PTFE sleeve O.D. 1.382 Thickness .042

Ball ACTUAL O.D. 6.417
Ball MFG O.D. 6.421"

Teflon PTFE thrust washer:
ACTUAL I.D. 1.394 O.D. 1.673 Thickness .072
MFG I.D. 1.378" O.D. 1.653" Thickness 0.039"

New seat ACTUAL I.D. 4.175 O.D. 5.364 Thickness .548
I.D. 4.169 O.D. 5.364 Thickness .649
New seat MFG I.D. 4.172" O.D. 5.391" Thickness 0.547"

New packing ACTUAL I.D. 1.371 O.D. 1.731 Height .969
New packing MFG I.D. 1.375" O.D. 1.685" Height 0.781"

Body gasket ACTUAL I.D. 6.457 O.D. 6.958 Thickness .146
Body gasket MFG I.D. 6.535" O.D. 7.046" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 6.505 Major O.D. 7.058 Depth .365
BODY Minor I.D. 6.506 Major I.D. 7.05 Depth .336

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10299-WO
Barge # CHICKASAW
Date: 3/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102994

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100 -750	<input type="checkbox"/> 450 <input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads					
<input checked="" type="checkbox"/> Verified all body bolts are torqued					

Test Date: 3-22-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10299-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102994

Body seat pocket ACTUAL Minor I.D. .617 Major I.D. 5.295 OAL 4.087

Cap seat pocket ACTUAL Minor I.D. .618 Major I.D. 5.379 OAL 1.771

Body packing pocket ACTUAL I.D. 1.697 Depth .633

Stem sleeve I.D. 1.38
Stem ACTUAL O.D. 1.375 Length 3.793

Collar teflon PFTE sleeve O.D. 1.382 Thickness .042

Ball ACTUAL O.D. 6.418
Ball MFG O.D. 6.421"

Teflon PFTE thrust washer:
ACTUAL I.D. 1.395 O.D. 1.661 Thickness .071
MFG I.D. 1.378" O.D. 1.653" Thickness 0.039"

New seat ACTUAL I.D. 4.147 O.D. 5.369 Thickness .549
I.D. 4.173 O.D. 5.365 Thickness .551

New seat MFG I.D. 4.172" O.D. 5.391" Thickness 0.547"

New packing ACTUAL I.D. 1.356 O.D. 1.729 Height .934
New packing MFG I.D. 1.375" O.D. 1.685" Height 0.781"

Body gasket ACTUAL I.D. 6.504 O.D. 6.971 Thickness .147
Body gasket MFG I.D. 6.535" O.D. 7.046" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 6.501 Major O.D. 7.044 Depth .367
BODY Minor I.D. 6.491 Major I.D. 7.048 Depth .316

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10299-WO
Barge # CHICKASAW
Date: 3/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102995

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other



Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100 750	<input type="checkbox"/> 450 <input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads					
<input checked="" type="checkbox"/> Verified all body bolts are torqued					

Test Date: 3-22-22 Technician:  Witness: 

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10299-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102995

Body seat pocket ACTUAL Minor I.D. .617 Major I.D. 5.349 OAL 4.089

Cap seat pocket ACTUAL Minor I.D. .62 Major I.D. 5.359 OAL 1.772

Body packing pocket ACTUAL I.D. 1.691 Depth .64

Stem sleeve I.D. 1.369
Stem ACTUAL O.D. 1.375 Length 3.792

Collar teflon PFTE sleeve O.D. 1.38 Thickness .042

Ball ACTUAL O.D. 6.418
Ball MFG O.D. 6.421"

Teflon PFTE thrust washer:

ACTUAL	I.D. <u>1.383</u>	O.D. <u>1.662</u>	Thickness <u>.071</u>
MFG	I.D. <u>1.378"</u>	O.D. <u>1.653"</u>	Thickness <u>0.039"</u>

New seat ACTUAL	I.D. <u>4.149</u>	O.D. <u>5.373</u>	Thickness <u>.547</u>
	I.D. <u>4.150</u>	O.D. <u>5.371</u>	Thickness <u>.548</u>

New seat MFG	I.D. <u>4.172"</u>	O.D. <u>5.391"</u>	Thickness <u>0.547"</u>
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New packing ACTUAL	I.D. <u>1.365</u>	O.D. <u>1.716</u>	Height <u>.951</u>
New packing MFG	I.D. <u>1.375"</u>	O.D. <u>1.685"</u>	Height <u>0.781"</u>

Body gasket ACTUAL	I.D. <u>6.524</u>	O.D. <u>7.025</u>	Thickness <u>.147</u>
Body gasket MFG	I.D. <u>6.535"</u>	O.D. <u>7.046"</u>	Thickness <u>0.125"</u>

Body gasket pocket:	CAP	Minor O.D. <u>6.49</u>	Major O.D. <u>7.051</u>	Depth <u>.366</u>
	BODY	Minor I.D. <u>6.499</u>	Major I.D. <u>7.049</u>	Depth <u>.322</u>

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10299-WO
Barge # CHICKASAW
Date: 3/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102996

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100-750	<input type="checkbox"/> 450 <input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads					
<input checked="" type="checkbox"/> Verified all body bolts are torqued					

Test Date: 3-22-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10299-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102996

Body seat pocket ACTUAL Minor I.D. .621 Major I.D. 5.393 OAL 4.092

Cap seat pocket ACTUAL Minor I.D. .617 Major I.D. 5.346 OAL 1.777

Body packing pocket ACTUAL I.D. 1.691 Depth .629

Stem sleeve I.D. 1.375
Stem ACTUAL O.D. 1.375 Length 3.79

Collar teflon PTFE sleeve O.D. 1.38 Thickness .042

Ball ACTUAL O.D. 6.419
Ball MFG O.D. 6.421"

Teflon PTFE thrust washer:
ACTUAL I.D. 1.393 O.D. 1.667 Thickness .072
MFG I.D. 1.378" O.D. 1.653" Thickness 0.039"

New seat ACTUAL I.D. 4.17 O.D. 5.366 Thickness .551
I.D. 4.17 O.D. 5.368 Thickness .547

New seat MFG I.D. 4.172" O.D. 5.391" Thickness 0.547"

New packing ACTUAL I.D. 1.36 O.D. 1.72 Height .954
New packing MFG I.D. 1.375" O.D. 1.685" Height 0.781"

Body gasket ACTUAL I.D. 6.471 O.D. 6.964 Thickness .146
Body gasket MFG I.D. 6.535" O.D. 7.046" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 6.495 Major O.D. 7.045 Depth .368
BODY Minor I.D. 6.491 Major I.D. 7.046 Depth .323

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10299-WO
Barge # CHICKASAW
Date: 3/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102997

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100 725	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads						
<input checked="" type="checkbox"/> Verified all body bolts are torqued						

Test Date: 3-22-22 Technician:  Witness: 

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10299-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 102997

Body seat pocket ACTUAL Minor I.D. .619 Major I.D. 5.342 OAL 4.089

Cap seat pocket ACTUAL Minor I.D. .618 Major I.D. 5.441 OAL 1.767

Body packing pocket ACTUAL I.D. 1.693 Depth .632

Stem sleeve I.D. 1.375
Stem ACTUAL O.D. 1.375 Length 3.788

Collar teflon PTFE sleeve O.D. 1.385 Thickness .042

Ball ACTUAL O.D. 6.418
Ball MFG O.D. 6.421"

Teflon PTFE thrust washer:

ACTUAL	I.D. <u>1.386</u>	O.D. <u>1.671</u>	Thickness <u>.072</u>
MFG	I.D. <u>1.378"</u>	O.D. <u>1.653"</u>	Thickness <u>.039"</u>

New seat ACTUAL I.D. 4.144 O.D. 5.373 Thickness .548

New seat MFG I.D. 4.145 O.D. 5.37 Thickness .548

New seat MFG I.D. 4.172" O.D. 5.391" Thickness 0.547"

New packing ACTUAL I.D. 1.376 O.D. 1.69 Height .946

New packing MFG I.D. 1.375" O.D. 1.685" Height 0.781"

Body gasket ACTUAL I.D. 6.485 O.D. 6.957 Thickness .147

Body gasket MFG I.D. 6.535" O.D. 7.046" Thickness 0.125"

Body gasket pocket: CAP Minor O.D. 6.497 Major O.D. 7.041 Depth .365

BODY Minor I.D. 6.504 Major I.D. 7.049 Depth .327

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10299-WO
Barge # CHICKASAW
Date: 3/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 52691

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100 750	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads						
<input checked="" type="checkbox"/> Verified all body bolts are torqued						

Test Date: 3-22-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10299-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 52591

Body seat pocket ACTUAL Minor I.D. .617 Major I.D. 5.42 OAL 4.1

Cap seat pocket ACTUAL Minor I.D. .614 Major I.D. 5.304 OAL 1.772

Body packing pocket ACTUAL I.D. 1.693 Depth .638

Stem sleeve I.D. 1.378
Stem ACTUAL O.D. 1.375 Length 3.793

Collar teflon PFTE sleeve O.D. 1.383 Thickness .042

Ball ACTUAL O.D. 6.421
Ball MFG O.D. 6.421"

Teflon PFTE thrust washer:

ACTUAL	I.D. <u>1.389</u>	O.D. <u>1.664</u>	Thickness <u>.072</u>
MFG	I.D. <u>1.378"</u>	O.D. <u>1.653"</u>	Thickness <u>0.039"</u>

New seat ACTUAL	I.D. <u>4.142</u>	O.D. <u>5.37</u>	Thickness <u>.547</u>
	I.D. <u>4.154</u>	O.D. <u>5.375</u>	Thickness <u>.548</u>

New seat MFG	I.D. <u>4.172"</u>	O.D. <u>5.391"</u>	Thickness <u>0.547"</u>
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New packing ACTUAL	I.D. <u>1.345</u>	O.D. <u>1.725</u>	Height <u>.991</u>
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New packing MFG	I.D. <u>1.375"</u>	O.D. <u>1.685"</u>	Height <u>0.781"</u>
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Body gasket ACTUAL	I.D. <u>6.531</u>	O.D. <u>7.047</u>	Thickness <u>.136</u>
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Body gasket MFG	I.D. <u>6.535"</u>	O.D. <u>7.046"</u>	Thickness <u>0.125"</u>
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Body gasket pocket:	CAP	Minor O.D. <u>6.493</u>	Major O.D. <u>7.047</u>	Depth <u>.382</u>
	BODY	Minor I.D. <u>6.497</u>	Major I.D. <u>7.049</u>	Depth <u>.315</u>

Torque: 1 _____ 2 _____ 3 _____

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10299-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 52532

Body seat pocket ACTUAL Minor I.D. .619 Major I.D. 5.406 OAL 4.104

Cap seat pocket ACTUAL Minor I.D. .616 Major I.D. 5.31 OAL 1.774

Body packing pocket ACTUAL I.D. 1.7 Depth .629

Stem sleeve I.D. 1.375
Stem ACTUAL O.D. 1.375 Length 3.788

Collar teflon PFTE sleeve O.D. 1.379 Thickness .042

Ball ACTUAL O.D. 6.418
Ball MFG O.D. 6.421"

Teflon PFTE thrust washer:
ACTUAL I.D. 1.375 O.D. 1.66 Thickness .072
MFG I.D. 1.378" O.D. 1.653" Thickness 0.039"

New seat ACTUAL I.D. 4.177 O.D. 5.375 Thickness .549
I.D. 4.162 O.D. 5.38 Thickness .55

New seat MFG I.D. 4.172" O.D. 5.391" Thickness 0.547"

New packing ACTUAL I.D. 1.35 O.D. 1.698 Height .964
New packing MFG I.D. 1.375" O.D. 1.685" Height 0.781"

Body gasket ACTUAL I.D. 6.417 O.D. 7.024 Thickness .146
Body gasket MFG I.D. 6.535" O.D. 7.046" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 6.501 Major O.D. 7.047 Depth .382
BODY Minor I.D. 6.491 Major I.D. 7.047 Depth .316

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103001

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100 <u>750</u>	<input type="checkbox"/> 450 <input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads					
<input checked="" type="checkbox"/> Verified all body bolts are torqued					

Test Date: 3-23-22 Technician:  Witness: 

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103001

Body seat pocket ACTUAL Minor I.D. .77 Major I.D. 7.719 OAL 5.526

Cap seat pocket ACTUAL Minor I.D. .76 Major I.D. 7.714 OAL 2.574

Body packing pocket ACTUAL I.D. 2.087 Depth .784

Stem sleeve I.D. 1.778
Stem ACTUAL O.D. 1.767 Length 4.969

Collar teflon PFTE sleeve O.D. 1.79 Thickness .046

Ball ACTUAL O.D. 9.38
Ball MFG O.D. 9.370"

Teflon PFTE thrust washer:

ACTUAL	I.D. <u>1.788</u>	O.D. <u>2.123</u>	Thickness <u>.062</u>
MFG	I.D. <u>1.779"</u>	O.D. <u>2.165"</u>	Thickness <u>0.039"</u>

New seat ACTUAL	I.D. <u>6.175</u>	O.D. <u>7.721</u>	Thickness <u>.708</u>
	I.D. <u>6.201</u>	O.D. <u>7.759</u>	Thickness <u>.712</u>

New seat MFG	I.D. <u>6.187"</u>	O.D. <u>7.719"</u>	Thickness <u>0.703"</u>
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New packing ACTUAL	I.D. <u>1.786</u>	O.D. <u>2.138</u>	Height <u>.960</u>
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New packing MFG	I.D. <u>1.771"</u>	O.D. <u>2.086"</u>	Height <u>0.787"</u>
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Body gasket ACTUAL	I.D. <u>9.602</u>	O.D. <u>10.166</u>	Thickness <u>.136</u>
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Body gasket MFG	I.D. <u>9.645"</u>	O.D. <u>10.196"</u>	Thickness <u>0.125"</u>
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Body gasket pocket:

CAP	Minor O.D. <u>9.603</u>	Major O.D. <u>10.199</u>	Depth <u>.36</u>
BODY	Minor I.D. <u>9.599</u>	Major I.D. <u>10.191</u>	Depth <u>.331</u>

Torque: 1 _____ 2 _____ 3 _____

Law Valve of Texas

Warren Ball Valve Rebuild Condition Report

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 108002

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100-750	<input type="checkbox"/> 450 <input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads					
<input checked="" type="checkbox"/> Verified all body bolts are torqued					

Test Date: 3-23-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103002

Body seat pocket ACTUAL Minor I.D. .765 Major I.D. 7.712 OAL 5.525

Cap seat pocket ACTUAL Minor I.D. .761 Major I.D. 7.711 OAL 2.578

Body packing pocket ACTUAL I.D. 2.09 Depth .786

Stem sleeve I.D. 1.784
Stem ACTUAL O.D. 1.765 Length 4.967

Collar teflon PFTE sleeve O.D. 1.791 Thickness .045

Ball ACTUAL O.D. 9.366
Ball MFG O.D. 9.370"

Teflon PFTE thrust washer:
ACTUAL I.D. 1.767 O.D. 2.19 Thickness .047
MFG I.D. 1.779" O.D. 2.165" Thickness 0.039"

New seat ACTUAL I.D. 6.187 O.D. 7.731 Thickness .711
 I.D. 6.191 O.D. 7.732 Thickness .709
New seat MFG I.D. 6.187" O.D. 7.719" Thickness 0.703"

New packing ACTUAL I.D. 1.765 O.D. 2.071 Height .991
New packing MFG I.D. 1.771" O.D. 2.086" Height 0.787"

Body gasket ACTUAL I.D. 9.593 O.D. 10.169 Thickness .136
Body gasket MFG I.D. 9.645" O.D. 10.196" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 9.597 Major O.D. 10.194 Depth .366
BODY Minor I.D. 9.616 Major I.D. 10.196 Depth .325

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103003

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 400 750	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads						
<input checked="" type="checkbox"/> Verified all body bolts are torqued						

Test Date: 3-23-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103003

Body seat pocket ACTUAL Minor I.D. .769 Major I.D. 7.719 OAL 5.523

Cap seat pocket ACTUAL Minor I.D. .761 Major I.D. 7.714 OAL 2.578

Body packing pocket ACTUAL I.D. 2.099 Depth .787

Stem sleeve I.D. 1.78
Stem ACTUAL O.D. 1.765 Length 4.971

Collar teflon PFTE sleeve O.D. 1.798 Thickness .048

Ball ACTUAL O.D. 9.362
Ball MFG O.D. 9.370"

Teflon PFTE thrust washer:

ACTUAL	I.D. <u>1.759</u>	O.D. <u>2.168</u>	Thickness <u>.046</u>
MFG	I.D. <u>1.779"</u>	O.D. <u>2.165"</u>	Thickness <u>0.039"</u>

New seat ACTUAL	I.D. <u>6.190</u>	O.D. <u>7.726</u>	Thickness <u>.708</u>
	I.D. <u>6.199</u>	O.D. <u>7.73</u>	Thickness <u>.710</u>

New seat MFG	I.D. <u>6.187"</u>	O.D. <u>7.719"</u>	Thickness <u>0.703"</u>
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New packing ACTUAL	I.D. <u>1.768</u>	O.D. <u>2.118'</u>	Height <u>.973</u>
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New packing MFG	I.D. <u>1.771"</u>	O.D. <u>2.086"</u>	Height <u>0.787"</u>
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Body gasket ACTUAL	I.D. <u>9.661</u>	O.D. <u>10.185</u>	Thickness <u>.136</u>
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Body gasket MFG	I.D. <u>9.645"</u>	O.D. <u>10.196"</u>	Thickness <u>0.125"</u>
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Body gasket pocket:	CAP	Minor O.D. <u>9.618</u>	Major O.D. <u>10.196</u>	Depth <u>.362</u>
	BODY	Minor I.D. <u>9.611</u>	Major I.D. <u>10.197</u>	Depth <u>.324</u>

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103004

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425 <input checked="" type="checkbox"/> 4100 750	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads					
<input checked="" type="checkbox"/> Verified all body bolts are torqued					

Test Date: 3-23-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103004

Body seat pocket ACTUAL Minor I.D. .773 Major I.D. 7.722 OAL 5.506

Cap seat pocket ACTUAL Minor I.D. .771 Major I.D. 7.721 OAL 2.54

Body packing pocket ACTUAL I.D. 2.089 Depth .78

Stem sleeve
Stem ACTUAL I.D. 1.773
O.D. 1.766 Length 4.962

Collar teflon PFTE sleeve O.D. 1.788 Thickness .047

Ball ACTUAL O.D. 9.369
Ball MFG O.D. 9.370"

Teflon PFTE thrust washer:
ACTUAL I.D. 1.762 O.D. 2.167 Thickness .049
MFG I.D. 1.779" O.D. 2.165" Thickness 0.039"

New seat ACTUAL I.D. 6.18 O.D. 7.719 Thickness .710
New seat MFG I.D. 6.167 O.D. 7.7 Thickness .710
I.D. 6.187" O.D. 7.719" Thickness 0.703"

New packing ACTUAL I.D. 1.766 O.D. 2.11 Height .978
New packing MFG I.D. 1.771" O.D. 2.086" Height 0.787"

Body gasket ACTUAL I.D. 9.606 O.D. 10.166 Thickness .135
Body gasket MFG I.D. 9.645" O.D. 10.196" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 9.604 Major O.D. 10.191 Depth .353
BODY Minor I.D. 9.617 Major I.D. 10.199 Depth .317

Torque: 1 _____ 2 _____ 3 _____

Law Valve of Texas

Warren Ball Valve Rebuild Condition Report

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103005

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 4100 750	<input type="checkbox"/> 450 <input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads					
<input checked="" type="checkbox"/> Verified all body bolts are torqued					

Test Date: 3-23-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103005

Body seat pocket ACTUAL Minor I.D. .771 Major I.D. 7.712 OAL 5.524

Cap seat pocket ACTUAL Minor I.D. .76 Major I.D. 7.714 OAL 2.577

Body packing pocket ACTUAL I.D. 2.088 Depth .78

Stem sleeve I.D. 1.78
Stem ACTUAL O.D. 1.769 Length 4.965

Collar teflon PFTE sleeve O.D. 1.787 Thickness .048

Ball ACTUAL O.D. 9.372
Ball MFG O.D. 9.370"

Teflon PFTE thrust washer:

ACTUAL I.D. 1.77 O.D. 2.173 Thickness .049
MFG I.D. 1.779" O.D. 2.165" Thickness 0.039"

New seat ACTUAL I.D. 6.186 O.D. 7.722 Thickness .709
I.D. 6.179 O.D. 7.736 Thickness .711

New seat MFG I.D. 6.187" O.D. 7.719" Thickness 0.703"

New packing ACTUAL I.D. 1.76 O.D. 2.085 Height .974
New packing MFG I.D. 1.771" O.D. 2.086" Height 0.787"

Body gasket ACTUAL I.D. 9.602 O.D. 10.163 Thickness .135
Body gasket MFG I.D. 9.645" O.D. 10.196" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 9.601 Major O.D. 10.186 Depth .361
BODY Minor I.D. 9.613 Major I.D. 10.206 Depth .323

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 103007

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100 750	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads						
<input checked="" type="checkbox"/> Verified all body bolts are torqued						

Test Date: 3-23-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10300-WO
 Barge # CHICKASAW
 Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
 Pressure: 150 300 Serial # _____ Match Mark # 103007

Body seat pocket ACTUAL Minor I.D. .771 Major I.D. 7.719 OAL 5.529

Cap seat pocket ACTUAL Minor I.D. .763 Major I.D. 7.713 OAL 2.584

Body packing pocket ACTUAL I.D. 2.09 Depth .788

Stem sleeve I.D. 1.785
 Stem ACTUAL O.D. 1.77 Length 4.974

Collar teflon PFTE sleeve O.D. 1.781 Thickness .083

Ball ACTUAL O.D. 9.363
 Ball MFG O.D. 9.370"

Teflon PFTE thrust washer:
 ACTUAL I.D. 1.745 O.D. 2.201 Thickness .049
 MFG I.D. 1.779" O.D. 2.165" Thickness 0.039"

New seat ACTUAL I.D. 6.186 O.D. 7.727 Thickness .710
 I.D. 6.188 O.D. 7.721 Thickness .710

New seat MFG I.D. 6.187" O.D. 7.719" Thickness 0.703"

New packing ACTUAL I.D. 1.758 O.D. 2.1 Height .971
 New packing MFG I.D. 1.771" O.D. 2.086" Height 0.787"

Body gasket ACTUAL I.D. 9.682 O.D. 10.182 Thickness .137
 Body gasket MFG I.D. 9.645" O.D. 10.196" Thickness 0.125"

Body gasket pocket:
 CAP Minor O.D. 9.607 Major O.D. 10.196 Depth .361
 BODY Minor I.D. 9.613 Major I.D. 10.196 Depth .331

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 74251

Type Gear Operated Air Operated

Body match mark # _____
Body condition Good Pitted Other

Cap match mark # _____
Cap condition Good Pitted Other

Ball match mark # _____
Ball condition Good Pitted Other

Stem match mark # _____
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 checked="" type="checkbox"/> 80	<input type="checkbox"/> 425	<input checked="" type="checkbox"/> 1100 750	<input type="checkbox"/> 450	<input type="checkbox"/> 1125
<input checked="" type="checkbox"/> Visually checked body bolts for 2 or more threads						
<input checked="" type="checkbox"/> Verified all body bolts are torqued						

Test Date: 3-23-22 Technician: [Signature] Witness: [Signature]

Law Valve of Texas

Warren Ball Valve Rebuild Measurement Log

Job # LV-10300-WO
Barge # CHICKASAW
Date: 03/15/22

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # _____ Match Mark # 74251

Body seat pocket ACTUAL Minor I.D. .773 Major I.D. 7.724 OAL 5.53

Cap seat pocket ACTUAL Minor I.D. .771 Major I.D. 7.725 OAL 2.588

Body packing pocket ACTUAL I.D. 2.089 Depth .789

Stem sleeve I.D. 1.787
Stem ACTUAL O.D. 1.77 Length 4.967

Collar teflon PTFE sleeve O.D. 1.786 Thickness .083

Ball ACTUAL O.D. 9.371
Ball MFG O.D. 9.370"

Teflon PTFE thrust washer:

ACTUAL	I.D. <u>1.779</u>	O.D. <u>2.172</u>	Thickness <u>.048</u>
MFG	I.D. <u>1.779"</u>	O.D. <u>2.165"</u>	Thickness <u>0.039"</u>

New seat ACTUAL I.D. 6.18 O.D. 7.731 Thickness .711

I.D. 6.184 O.D. 7.744 Thickness .710

New seat MFG I.D. 6.187" O.D. 7.719" Thickness 0.703"

New packing ACTUAL I.D. 1.748 O.D. 2.104 Height .987

New packing MFG I.D. 1.771" O.D. 2.086" Height 0.787"

Body gasket ACTUAL I.D. 9.662 O.D. 10.201 Thickness .136

Body gasket MFG I.D. 9.645" O.D. 10.196" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 9.607 Major O.D. 10.195 Depth .361
BODY Minor I.D. 9.618 Major I.D. 10.203 Depth .325

Torque: 1 _____ 2 _____ 3 _____