



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

Certification Date: 19 Oct 2021
Expiration Date: 19 Oct 2022

Temporary Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

This Temporary Certificate of Inspection is issued under the provision of Title 46 United States Code, Section 399, in lieu of the regular certificate of inspection, and shall be in force only until the receipt on board said vessel of the original certificate of inspection, this certificate in no case to be valid after one year from the date of inspection.

Vessel Name	Official Number	IMO Number	Call Sign	Service
SHAWNEE	1235319			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
MORGAN CITY, LA	29Nov2011	15Mar2011	R-1100	R-1100		R-245.0
UNITED STATES			I-	I-		I-0

Owner	Operator
KIRBY INLAND MARINE LP 55 WAUGH DR STE 1000 HOUSTON, TX 77007 UNITED STATES	KIRBY INLAND MARINE LP 18350 MARKET 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 (12) miles from shore between St. Marks and Carrabelle, Florida.

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR Table 31.10-21(a)(2). 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.

*****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: SHAWNEE

LOADING CONSTRAINTS- STABILITY

Cargo (CHRIS Code)	Max Load (ST)	Max Draft (ft, in)	Max Density (lbs/gal)
BDI 1606.8	8'-3 1/4"	5.228	
BTN 1494.1	8'-3 1/4"	4.997	
BUT 1465.9	8'-3 1/4"	4.880	
IBT 1381.3	8'-3 1/4"	4.690	
PPL 1240.4	8' 3 1/4"	4.348	
PRP 1184.0	8' 3 1/4"	4.246	

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Oct2031	19Oct2021	29Nov2011
Internal Structure	31Oct2026	19Oct2021	24Oct2016

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

Authorization:

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
16101	Barrels	LFG	Yes	No	No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
Port	803	5.228
Stbd	803	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 above.

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

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.

The max. tank weights listed above reflect uniform (within 5%) loading at the deepest draft allowed. When carrying Subchapter O cargoes at shallower drafts, the barge(s) should always be loaded uniformly.

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
Port	29Nov2011	19Oct2021	31Oct2031	06Nov2018	19Oct2021	31Oct2026
Stbd	29Nov2011	19Oct2021	31Oct2031	06Nov2018	19Oct2021	31Oct2026



Temporary Certificate of Inspection

Vessel Name: SHAWNEE

Tank Id	Safety Valves	Hydro Test		
		Previous	Last	Next
Port	19Oct2021	-	-	-
Stbd	19Oct2021	-	-	-

---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

Safety valve inspection report

Certificate nr 1037
Date 08-19-2021

Job no. LV-8882-WO
Client KIRBY INLAND MARINE
Barge # SHAWNEE

Valve data

Set pressure (cold) 265 psi
Manufacturer REYCO
Type / Model R-300S120CKC0265
Serial No. 220517-01

Size 6RX8
Rating 300X150
Nozzle / Orifice R

Test data

Set pressure test

Found set pressure 267 psi
Reseat pressure (indication) 261 psi
Result Passed
Test method AIR

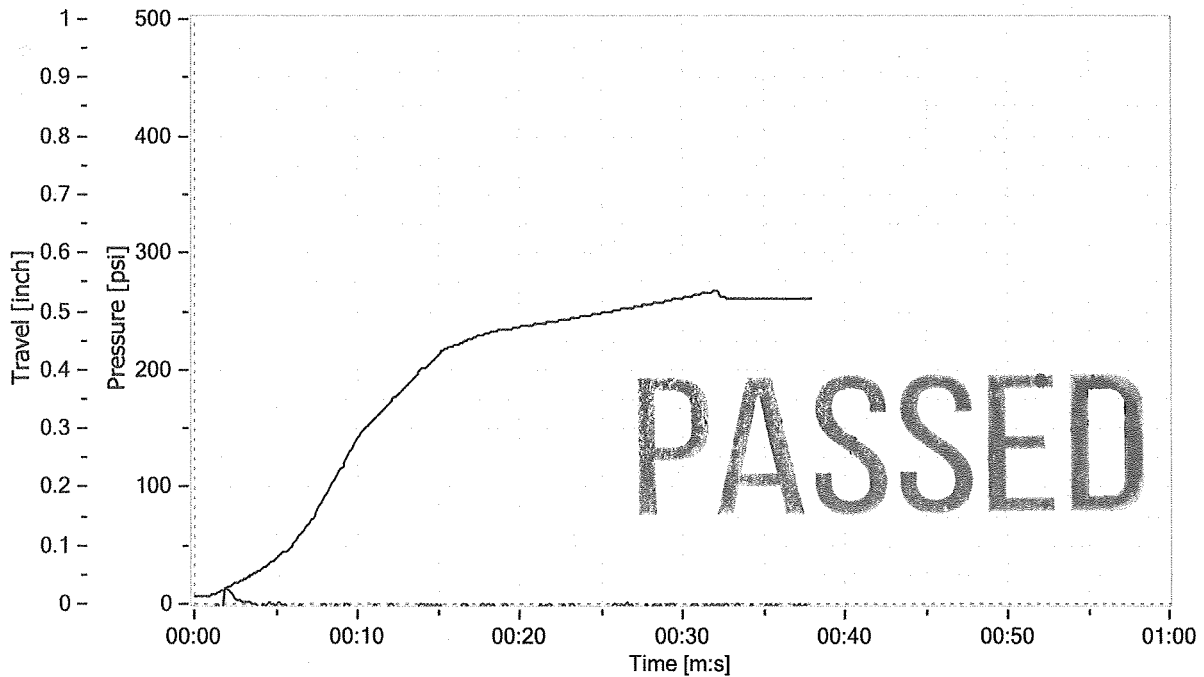
Seat tightness test

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 8-19-21
Signature

Inspected by CWO ESPINOSA USCG SH
Name MIGUEL ESPINOSA
Date 20 AUG 2021
Signature

Safety valve inspection report

Certificate nr 1036
Date 08-19-2021

Job no. LV-8882-WO
Client KIRBY INLAND MARINE
Barge # SHAWNEE

Valve data

Set pressure (cold) 265 psi
Manufacturer REYCO
Type / Model R-300S120CKC0265
Serial No. 103991-3-5

Size 6XR8
Rating 300X150
Nozzle / Orifice R

Test data

Set pressure test

Found set pressure 263 psi
Reseat pressure (indication) 259 psi
Result Passed
Test method AIR

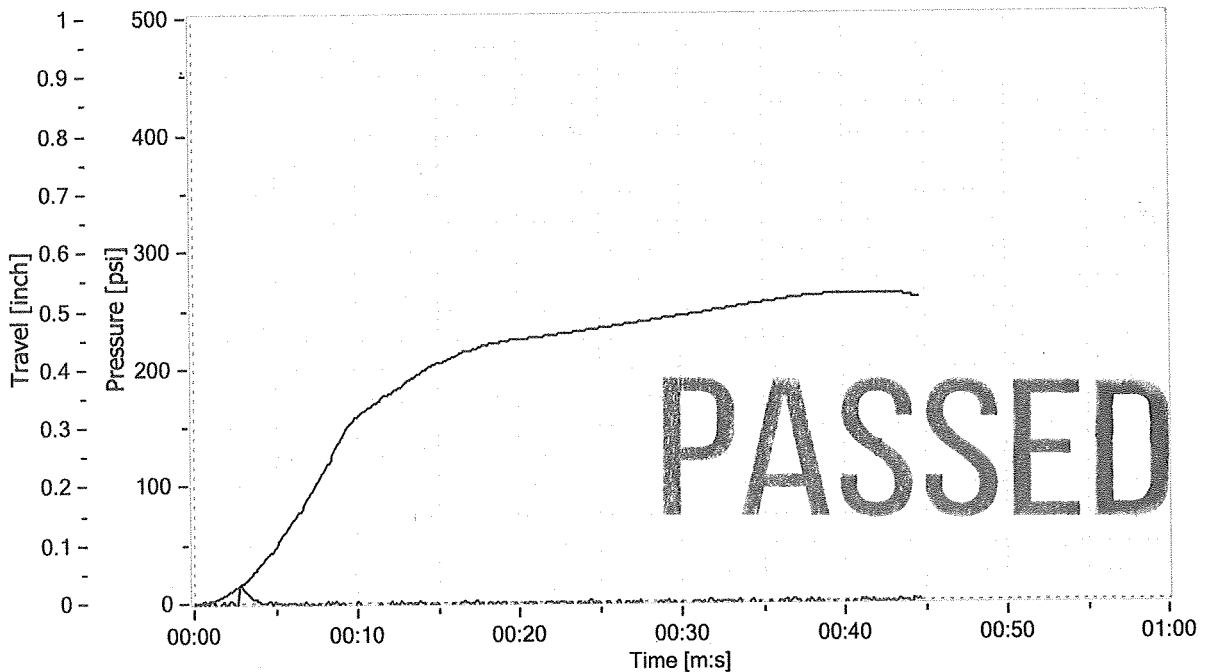
Seat tightness test

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 8-19-21
Signature

Inspected by USCG -SHG
Name CWO MIGUEL ESPINOSA
Date 20 AUG 2021
Signature

Safety valve inspection report

Certificate nr 1035
Date 08-19-2021

Job no. LV-8882-WO
Client KIRBY INLAND MARINE
Barge # SHAWNEE

Valve data

Set pressure (cold) 265 psi
Manufacturer REYCO
Type / Model R-300S120CKC0265
Serial No. 220517-02

Size 6RX8
Rating 300X150
Nozzle / Orifice R

Test data

Set pressure test

Found set pressure 268 psi
Reseat pressure (indication) 257 psi
Result Passed
Test method AIR

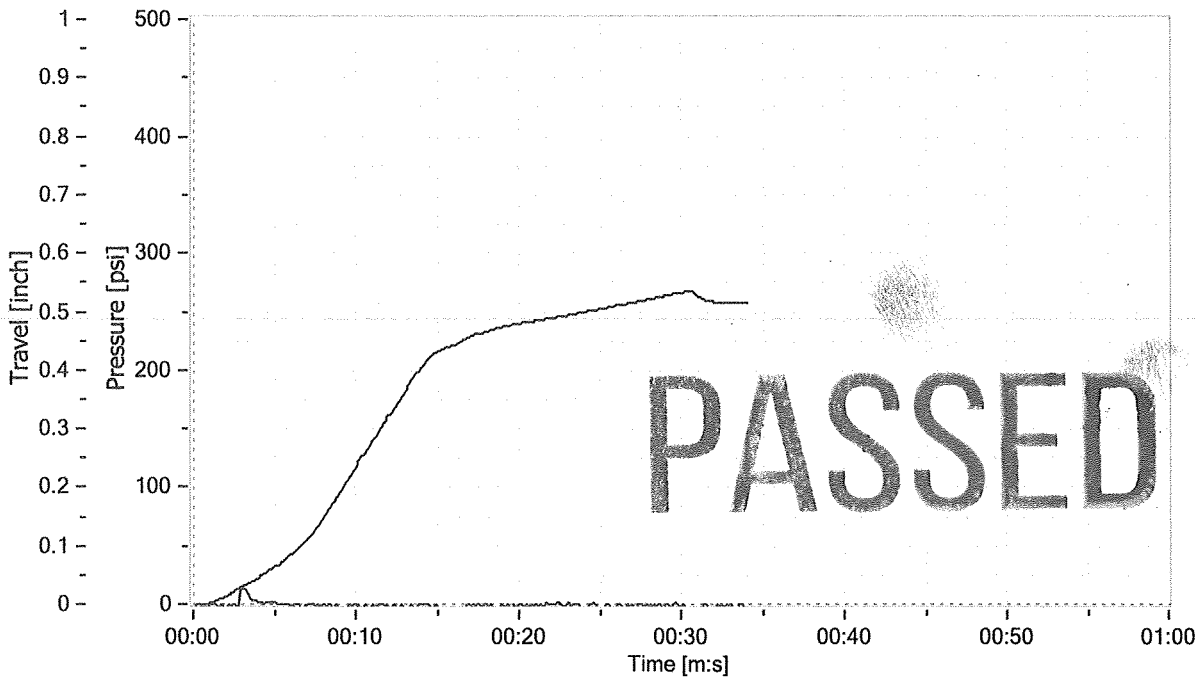
Seat tightness test

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 8-19-21
Signature

Inspected by USCG - SHG
Name MIGUEL ESTIMOST, CWO
Date 20 AUG 2021
Signature

Safety valve inspection report

Certificate nr 1034
Date 08-19-2021

Job no. LV-8882-WO
Client KIRBY INLAND MARINE
Barge # SHAWNEE

Valve data

Set pressure (cold) 265 psi
Manufacturer REYCO
Type / Model R-300S120CKC0265
Serial No. 103901-3-4

Size 6XR8
Rating 300X150
Nozzle / Orifice R

Test data

Set pressure test

Found set pressure 267 psi
Reseat pressure (indication) 262 psi
Result Passed
Test method AIR

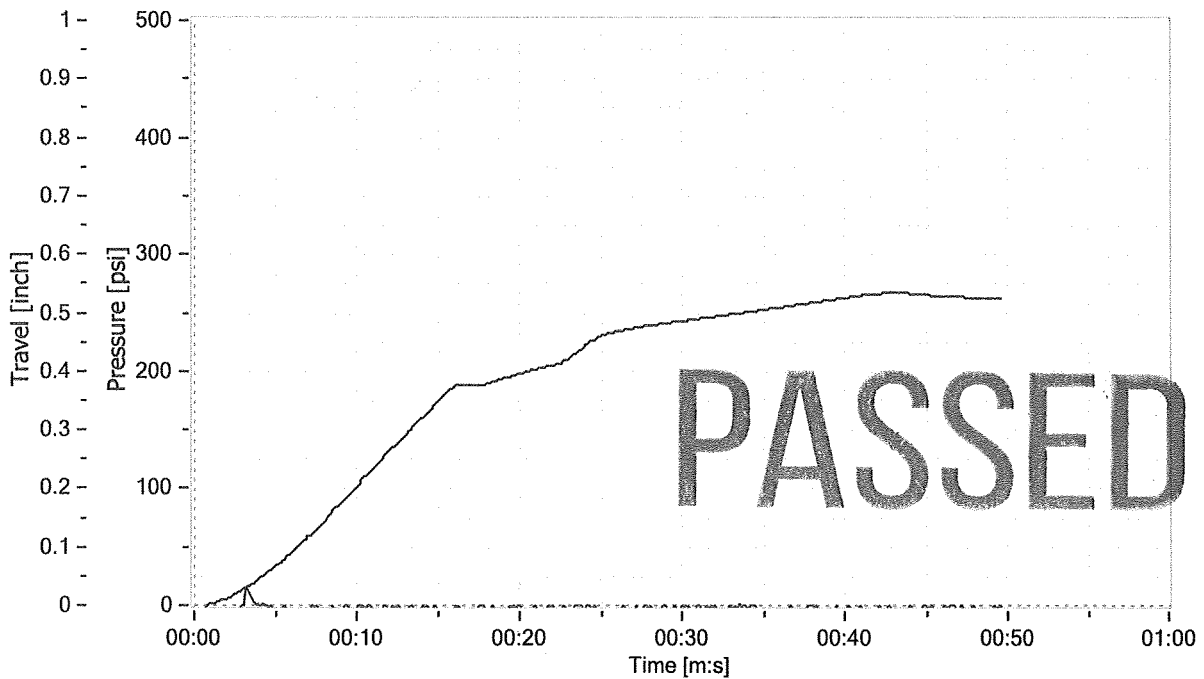
Seat tightness test

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 8-19-21
Signature

Inspected by USCG-SHG
Name MIGUEL ESPINOSA, CW0
Date 20 AUG 2021
Signature

SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1060
Date 08-24-2021
Tested to API 598 Standard

Job no. LV-8684-WO
Client Kirby Inland Marine
Barge # SHAWNEE

Valve data

Manufacturer Warren
Type / Model 6305FS
Serial No. 18393101

Size 6"
Rating 300
Fluid Liquid

Test results

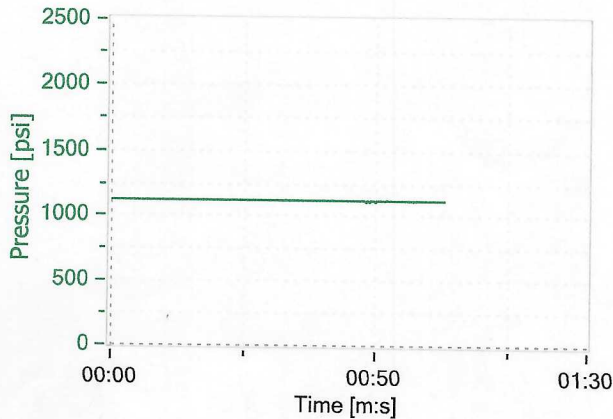
Body test

Pressure 1125 psi
Time 1:02

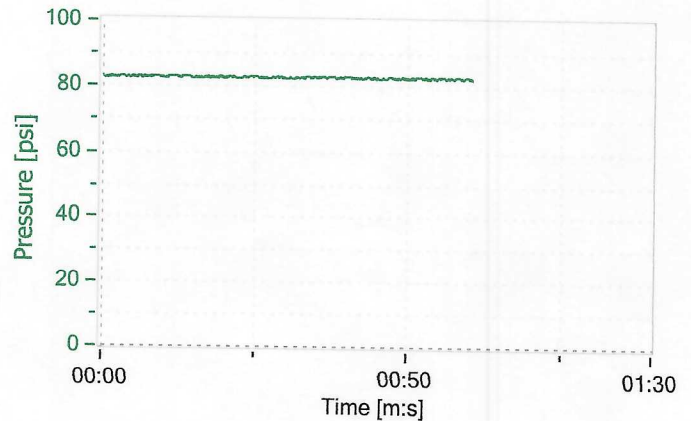
Seat tests

AB	BA
Pressure 83 psi	85 psi
Time 1:01	1:01
Leakage 0 bubbles/min.	0 bubbles/min.

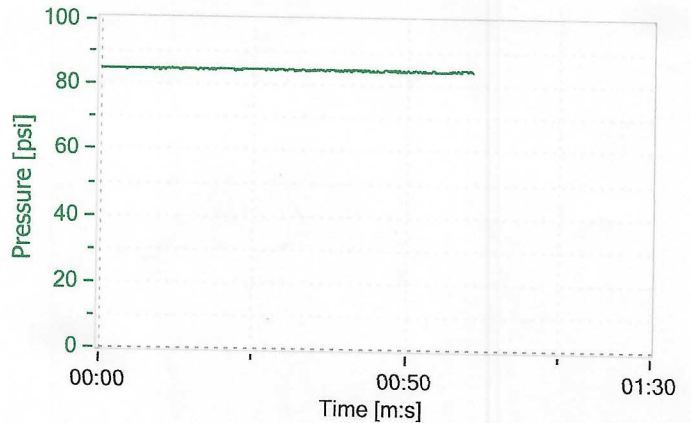
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



Result

Tested by

Name

David Theiler

Date

8-24-21

Signature

Inspected by

Name

Date

Signature

PASSED

Law Valve of Texas



SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1059
Date 08-24-2021
Tested to API 598 Standard

Job no. LV-8684-WO
Client Kirby Inland Marine
Barge # SHAWNEE

Valve data

Manufacturer Warren
Type / Model 6305FS
Serial No. 18019731

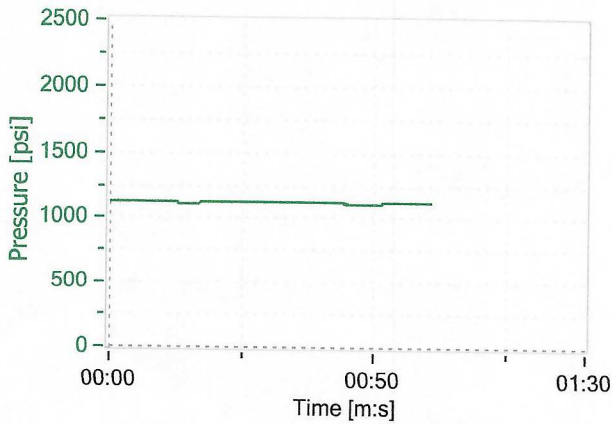
Size 6"
Rating 300
Fluid Liquid

Test results

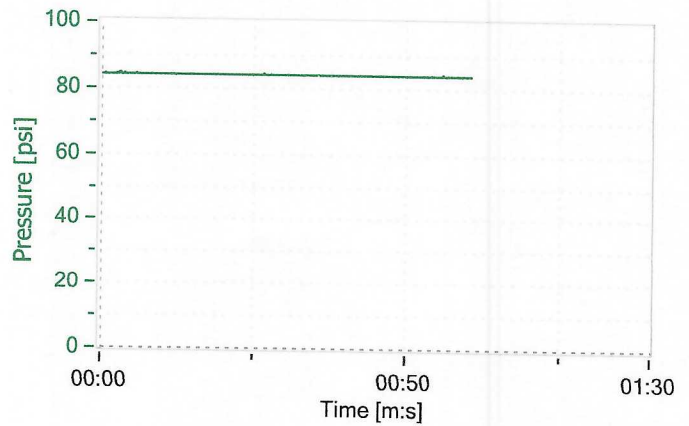
Body test
Pressure 1125 psi
Time 1:00

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

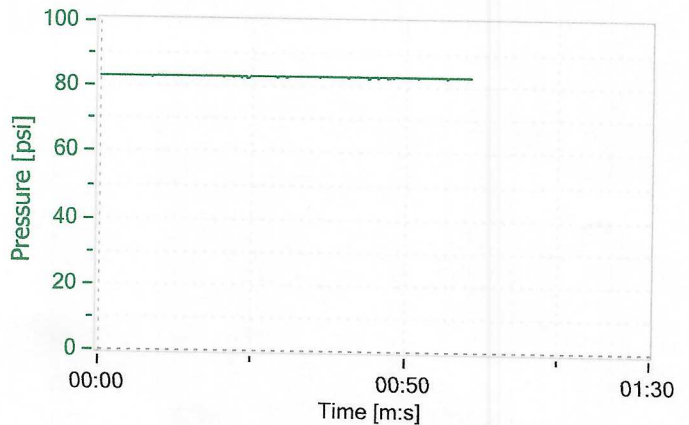
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



Result

Tested by
Name
Date
Signature

David Theiler
8-24-21

Inspected by
Name
Date
Signature

PASSED

Law Valve of Texas



SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1058
Date 08-24-2021
Tested to API 598 Standard

Job no. LV-8684-WO
Client Kirby Inland Marine
Barge # SHAWNEE

Valve data

Manufacturer Warren
Type / Model 6305FS
Serial No. 17244941

Size 6"
Rating 300
Fluid Liquid

Test results

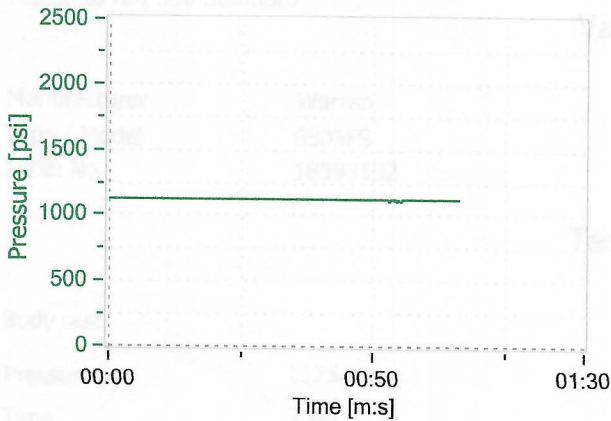
Body test

Pressure 1125 psi
Time 1:06

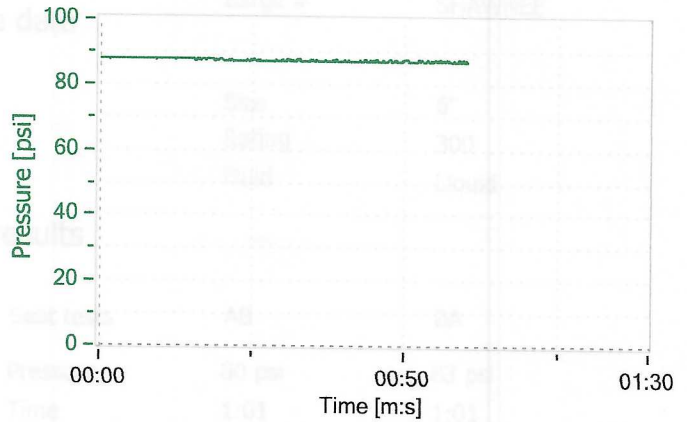
Seat tests

AB	BA
Pressure 87 psi	82 psi
Time 1:01	1:01
Leakage 0 bubbles/min.	0 bubbles/min.

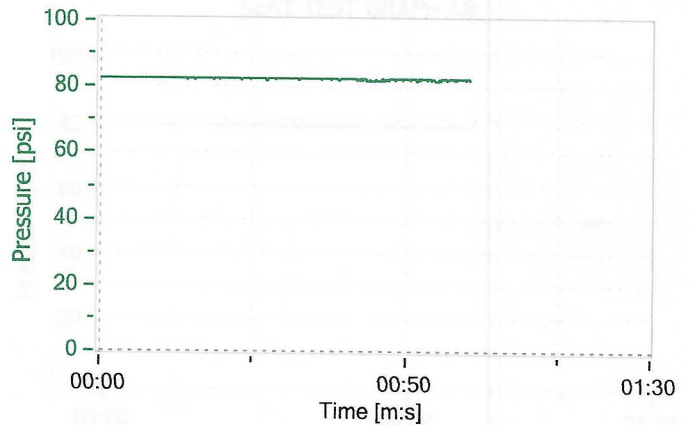
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



Result

Tested by

Name

David Theiler

Date

8-24-21

Signature

Inspected by

Name

Date

Signature

PASSED

Law Valve of Texas



SHUT-OFF VALVE INSPECTION REPORT

Certificate nr 1087
Date 08-27-2021
Tested to API 598 Standard

Job no. LV-8684-WO
Client Kirby Inland Marine
Barge # SHAWNEE

Valve data

Manufacturer Warren
Type / Model 6305FS
Serial No. 18393102

Size 6"
Rating 300
Fluid Liquid

Test results

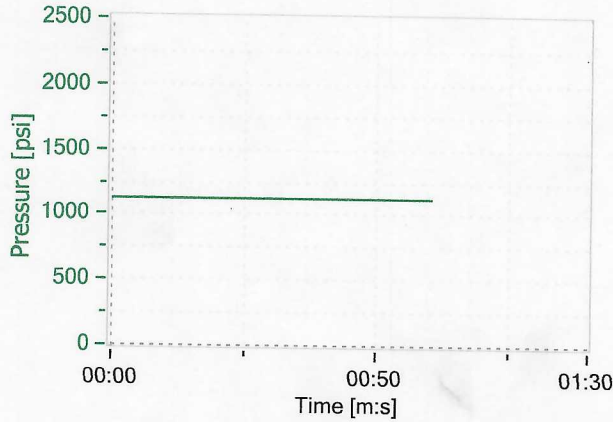
Body test

Pressure 1125 psi
Time 1:00

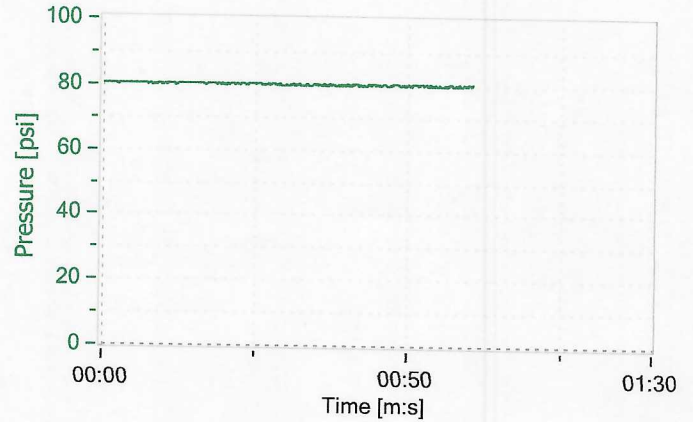
Seat tests

	AB	BA
Pressure	80 psi	83 psi
Time	1:01	1:01
Leakage	0 bubbles/min.	0 bubbles/min.

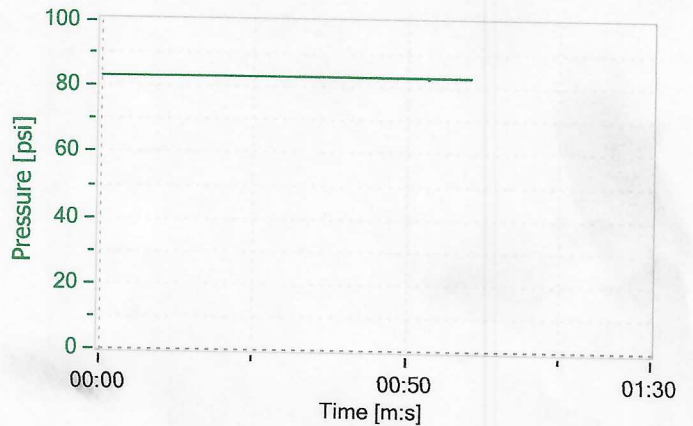
BODY TEST GRAPH



SEAT TEST GRAPH AB



SEAT TEST GRAPH BA



Result

Tested by

Name

Date

Signature

David Theiler
8-27-21

Inspected by

Name

Date

Signature

PASSED

Law Valve of Texas



Warren Ball Valve Rebuild Condition Report

Job # LV-8684-WO
Barge # SHAWNEE
Date: _____

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

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 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: _____ Technician:  Witness: _____

Warren Ball Valve Rebuild
Measurement Log

Job # LV-8684-WO
Barge # SHAWNEE
Date: 8-18-21

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # WD1801973 Match Mark # 18019731

Body seat pocket ACTUAL Minor I.D. 6.158 Major I.D. 7.723 OAL 5.267

Cap seat pocket ACTUAL Minor I.D. 6.182 Major I.D. 7.732 OAL 2.25

Body packing pocket ACTUAL I.D. 2.094 Depth .791

Stem sleeve I.D. 1.774
Stem ACTUAL O.D. 1.78 Length 6.037

Collar teflon PTFE sleeve O.D. 1.776 Thickness .042

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

Teflon PTFE thrust washer:
ACTUAL I.D. 1.811 O.D. 2.171 Thickness .049
MFG I.D. 1.779 O.D. 2.165 Thickness 0.039

New seat ACTUAL I.D. 6.191 O.D. 7.712 Thickness .711
I.D. 6.176 O.D. 7.712 Thickness .711

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

New packing ACTUAL I.D. 1.764 O.D. 2.103 Height .749
New packing MFG I.D. 1.771 O.D. 2.086 Height 0.787

Body gasket ACTUAL I.D. 9.632 O.D. 10.115 Thickness .163
Body gasket MFG I.D. 9.645 O.D. 10.196 Thickness 0.125

Body gasket pocket:
CAP Minor O.D. 9.593 Major O.D. 10.184 Depth .215
BODY Minor I.D. 9.612 Major I.D. 10.2 Depth 2.157

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-8684-WO
Barge # SHAWNEE
Date: _____

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

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 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: _____ Technician:  Witness: _____

Warren Ball Valve Rebuild Measurement Log

Job # LV-8684-WO
 Barge # SHAWNEE
 Date: 8-18-21

Size: 2 3 4 6 8 Material: CS SS
 Pressure: 150 300 Serial # WD1839310 Match Mark # 18393102

Body seat pocket ACTUAL Minor I.D. 6.151 Major I.D. 7.705 OAL 5.203

Cap seat pocket ACTUAL Minor I.D. 6.136 Major I.D. 7.67 OAL 2.212

Body packing pocket ACTUAL I.D. 2.087 Depth .791

Stem sleeve I.D. 1.784
 Stem ACTUAL O.D. 1.773 Length 6.027

Collar teflon PTFE sleeve O.D. 1.779 Thickness .041

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

Teflon PTFE thrust washer:
 ACTUAL I.D. 1.786 O.D. 2.160 Thickness .046
 MFG I.D. 1.779" O.D. 2.165" Thickness 0.039"

New seat ACTUAL I.D. 6.167 O.D. 7.699 Thickness .709
 I.D. 6.183 O.D. 7.712 Thickness .710

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

New packing ACTUAL I.D. 1.774 O.D. 2.091 Height .802
 New packing MFG I.D. 1.771" O.D. 2.086" Height 0.787"

Body gasket ACTUAL I.D. 9.605 O.D. 10.199 Thickness .162
 Body gasket MFG I.D. 9.645" O.D. 10.196" Thickness 0.125"

Body gasket pocket:
 CAP Minor O.D. 9.592 Major O.D. 10.124 Depth .178
 BODY Minor I.D. 9.609 Major I.D. 10.189 Depth .166

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-8684-WO
Barge # SHAWNEE
Date: _____

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

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 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: _____ Technician:  Witness: _____

Warren Ball Valve Rebuild Measurement Log

Job # LV-8684-WO
Barge # SHAWNEE
Date: 8-18-21

Size: 2 3 4 6 8 Material: CS SS
Pressure: 150 300 Serial # WD1839310 Match Mark # 18393101

Body seat pocket ACTUAL Minor I.D. 6.193 Major I.D. 7.745 OAL 5.265

Cap seat pocket ACTUAL Minor I.D. 6.16 Major I.D. 7.71 OAL 2.247

Body packing pocket ACTUAL I.D. 2.083 Depth .788

Stem sleeve
Stem ACTUAL I.D. 1.789
O.D. 1.766 Length 2.016

Collar teflon PTFE sleeve O.D. 1.785 Thickness .04

Ball ACTUAL O.D. 9.37
Ball MFG O.D. 9.370"

Teflon PTFE thrust washer:
ACTUAL I.D. 1.78 O.D. 2.166 Thickness .041
MFG I.D. 1.779" O.D. 2.165" Thickness 0.039"

New seat ACTUAL I.D. 6.184 O.D. 7.712 Thickness .71
I.D. 6.176 O.D. 7.701 Thickness .711

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

New packing ACTUAL I.D. 1.778 O.D. 2.089 Height .792
New packing MFG I.D. 1.771" O.D. 2.086" Height 0.787"

Body gasket ACTUAL I.D. 9.693 O.D. 10.171 Thickness .161
Body gasket MFG I.D. 9.645" O.D. 10.196" Thickness 0.125"

Body gasket pocket:
CAP Minor O.D. 9.599 Major O.D. 10.199 Depth .216
BODY Minor I.D. 9.61 Major I.D. 10.194 Depth 0.158

Torque: 1 _____ 2 _____ 3 _____

Warren Ball Valve Rebuild Condition Report

Job # LV-8684-WO
Barge # SHAWNEE
Date: _____

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

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 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: _____ Technician:  Witness: _____

