



NATIONAL TRANSPORTATION SAFETY BOARD
Investigative Hearing

Norfolk Southern Railway general merchandise freight train 32N
derailment with subsequent hazardous material release and fires,
in East Palestine, Ohio, on February 3, 2023

GROUP	F
EXHIBIT	
15	

Agency / Organization

Oxy Vinyls, LP

Title

**Excerpts of Tank Car Qualification File for
OCPX80179,
June 18, 2021.**


Occidental Chemical Corporation Qualification Stencil Report

Reporting Mark and Number: OCPX 80179 Tank Car Facility: ATCS
 DOT Specification: 105A300W Station Stencil: APRT
 Inspection and Test Date: 6/18/21 Address: 4509 W. Stone Dr
 City: Kingsport TN
 State: TN
 Zip: 37660

Qualification Stencil Information and Associated Procedures and Forms

Marking the tank with the specification, or retaining the specification on the tank, and marking the test dates in association with the specification indicating conformance to the specification, is representation that the facility performed the inspections and tests, and the results of the inspection and tests conform to the owner's acceptance criteria. Indicate below the markings applied to the tank.

Component Group	Station Stencil	Qualified	Due	Section	Form	Form Accurate, Complete, and With Invoice
Tank Qualification	<u>APRT</u>	<u>2021</u>	<u>2031</u>			
Thickness Test	<u>APRT</u>	<u>2021</u>	<u>2031</u>	12	TCID	Yes <input type="checkbox"/> No <input type="checkbox"/>
Service Equipment	<u>APRT</u>	<u>2021</u>	<u>2031</u>	13	OXY-03-01	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
PRD: <u>247.5 psi</u>	<u>APRT</u>	<u>2021</u>	<u>2031</u>	15	OXY-05-01	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
HTR SYSTEM	<u>NA</u>	<u>NA</u>	<u>NA</u>	15	OXY-05-01	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Lining	<u>NA</u>	<u>NA</u>	<u>NA</u>	15	OXY-09-01	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> <u>05/18/21</u>
3.B.2 Inspection	<u>APRT</u>	<u>2021</u>	<u>2031</u>	16	OXY-06-01	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Stub Sill Inspection	<u>APRT</u>	<u>2021</u>	<u>2031</u>	18	OXY-07-01	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
				12	TCID	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>

Inspector's Name: Daniel Sluss
 Signature: 

COMMENTS:

Oxy-10-01
 09-12-14

Midland Manufacturing

11951 N Spectrum Blvd., Houston, TX 77047

A-34247-SSR-VGFS Certificate of Test and Bench Test

Sales Order:	55004664	Repair Date:	2/24/2021
Customer PO:	103218977	Original Mfg Date:	10/1/1990
Valve Model:	A-34247-SSR-VGFS	Serial Number:	KP274-RB

Incoming Test Information

Data		Test Data	
Set Pressure:	247.00 psi	Start to Leak (1st Test) (PSI)	244.00
Incoming Temp:	73.00 °	Start to Discharge (1st Test) (PSI)	246.00
Inspector(s):	Terry Benson	Vapor Tight (1st Test) (PSI)	232.00
Inspection Date:	2/24/2021	Start to Discharge (2nd Test) (PSI)	246.00
		Vapor Tight (2nd Test) (PSI)	232.00
Pressure Gauge		Start to Discharge (3rd Test) (PSI)	246.00
Serial Number:	M2324	Vapor Tight (3rd Test) (PSI)	232.00
Calibration Due Date:	4/13/2021		

Component Inspection Information

Resusable	
STEM O-RING, VITON GFS	No
O-RING, VITON GF-S	No
VALVE STEM, STAINLESS STEEL	Yes
RETAINER, STAINLESS STEEL	Yes
SPRING, ALLOY STEEL	No
BODY AND GUIDE ASSEMBLY, CARBON STEEL	Yes

Midland Manufacturing

11951 N Spectrum Blvd., Houston, TX 77047

A-34247-SSR-VGFS Certificate of Test and Bench Test

Final Test Information

Data

Set Pressure: 247.00 psi
Incoming Temp: 73.00 °
Inspector(s): Terry Benson
Inspection Date: 2/24/2021

Final Test Data

Start to Discharge (psi) 248.00
Vapor Tight (psi) 240.00

Pressure Gauge

Serial Number: M2324
Calibration Due Date: 4/13/2021

Terry Benson



Optional Information Below:

To be completed by Mfr / Repair facility

1. Car Initial & Mark OCPX80179
2. Valve Serial Number KP274-RB
3. Date Installed 4-22-21



P.O. BOX 226 * Skokie, IL 60076-0226 * Phone(847)677-0333 * FAX(847)677-0138

Certificate of Angle Valve Leak Test

Customer PO # 103218782 Midland Order No. 51188612

Bubble Leak Testing (BT) method performed in accordance with Midland Procedure Q-2.15.2

Valve Model No. A-720-VGFS

Serial No. ASI338

Was tested Feb-21 by Midland Manufacturing Corp., Skokie, Illinois. The valves were free of leaks at 600 PSIG.

Pressure Gauge ID#: M2908

Temperature gauge ID#: m2519 at 70 °F

MARCIN

Assembled By

SERGIO

Valve Tester

Signature

****Optional Information Below****

To be completed by Mfr/Repair Facility

- 1. Car initial & Mark OCPX 80179
- 2. Valve Serial Number ASI338
- 3. Date Installed 4-22-21

Packing Slip Copy



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Temperature gauge ID#: m2519 at 70 °F

MARCIN
Assembled By

SERGIO
Valve Tester

Signature

****Optional Information Below****

To be completed by Mfr/Repair Facility

- 1. Car initial & Mark HM 4-22-21 OCPX80179
- 2. Valve Serial Number ASI344
- 3. Date Installed 4-22-21

Packing Slip Copy



P.O. BOX 226 * Skokie, IL 60076-0226 * Phone(847)677-0333 * FAX(847)677-0138

Certificate of Angle Valve Leak Test

Customer PO # 103218782 Midland Order No. 51188612

Bubble Leak Testing (BT) method performed in accordance with Midland Procedure Q-2.15.2

Valve Model No. A-720-VGFS

Serial No. ASI337


Was tested Feb-21 by Midland Manufacturing Corp., Skokie, Illinois. The valves were free of leaks at 600 PSIG.

Pressure Gauge ID#: M2908

Temperature gauge ID#: m2519 at 70 °F

MARCIN
Assembled By

SERGIO
Valve Tester


Signature

****Optional Information Below****

To be completed by Mfr/Repair Facility

- 1. Car initial & Mark OCPX80179
- 2. Valve Serial Number ASI337
- 3. Date Installed 4-22-21

Packing Slip Copy



VSP# 0320
1713-0469-01

VSP-MCC#: P13-125-VSP# 0320
Material: DURLON® 9000
Thickness: 1/8
ID X OD: 3-1/4 X 4

800-334-6013

www.vsptechnologies.com



VSP# 2490
1713-0468-01

VSP-MCC#: P13-125-VSP# 2490
Material: DURLON® 9000
Thickness: 1/8
ID X OD: 21-1/4 X 22-1/4

800-334-6013

www.vsptechnologies.com



VSP# 0320
1713-0469-01

VSP-MCC#: P13-125-VSP# 0320
Material: DURLON® 9000
Thickness: 1/8
ID X OD: 3-1/4 X 4

800-334-6013

www.vsptechnologies.com



VSP# 0580
1713-0500-01

VSP-MCC#: P13-125-VSP# 0580
Material: DURLON® 9000
Thickness: 1/8
ID X OD: 6 X 6-3/4

800-334-6013

www.vsptechnologies.com



VSP# 0320
1713-0469-01

VSP-MCC#: P13-125-VSP# 0320
Material: DURLON® 9000
Thickness: 1/8
ID X OD: 3-1/4 X 4

800-334-6013


www.vsptechnologies.com



Compliance Traceability Form

(TO BE FILED IN CAR FILE)

BEST PRACTICES RECOMMENDATION: O-RINGS SHOULD NOT BE PLACED IN SERVICE AFTER SHELF LIFE EXPIRATION DATE.

Shipper Name: Oxy
 Car No.: OCPX80179
 Compartment No.: 1-1
 Repair Date: 3-26-21
 Valve Manufacturer: Midland
 Valve Model No.: A257
 Valve Serial No.: NA
 Commodity (if known): Vinyl Chloride
 Repair Shop: ATCS
 Location: Kingsport, TN
 Print Name: Hector Medina
 Installers Signature: 
 NDE Level: II

M-257-5-5350
 (257-5)
 Tracing No. J-15842
 Shelf Life Expiration
 DECEMBER 31, 2033

M-257-10-5350
 (257-10)
 Tracing No. A-1498
 Shelf Life Expiration
 SEPTEMBER 30, 2022

CAROLINA SEAL CHEMICAL TRANSPORTATION



Your Partner for Sealing Technology

NEEDLE VALVE KIT (Viton® GF-S)

KIT-BN-5350

Valve Models
Midland A257, A258

Each kit contains:

Part No.	Midland No.	Description	Mat'l.
M-257-5-5350	257-5	O-Ring	5350
M-257-10-5350	257-10	O-Ring	5350

Kit Assembly Date: March 12, 2019

Please refer to most recent OEM installation instructions.
 Trelleborg Sealing Solutions Charlotte, Inc.
 1424 Cross Beam Drive | Charlotte, NC 28217
 Phone: 704-523-4450 | Fax: 704-749-8527 | carolinaseal@trelleborg.com
 WWW.TSS.TRELLEBORG.COM


To learn more about non-accident release (NAR), go to www.nar.aar.com.



Compliance Traceability Form

(TO BE FILED IN CAR FILE)

BEST PRACTICES RECOMMENDATION: O-RINGS SHOULD NOT BE PLACED IN SERVICE AFTER SHELF LIFE EXPIRATION DATE.

Shipper Name: Oxy
 Car No.: OCPX80179
 Compartment No.: 1-1
 Repair Date: 3-26-21
 Valve Manufacturer: Midland
 Valve Model No.: B-291
 Valve Serial No.: NA
 Commodity (if known): Vinyl Chloride
 Repair Shop: ATCS
 Location: Kingsport, TN
 Print Name: Hector Medina
 Installers Signature: 
 NDE Level: II

M-290-5-5350
(290-5)
Tracing No.P-14629



M-290-3-5350
(290-3)
Tracing No.J-15041
Shelf Life Expiration
JUNE 30, 2033



CAROLINA SEAL CHEMICAL TRANSPORTATION



Your Partner for Sealing Technology

THERMOWELL KIT (Viton® GF-S)

KIT-BT-5350

Valve Models
Midland B290, B291, B292, B293

Each kit contains:

Part No.	Midland No.	Description	Mat'l.
M-290-3-5350	290-3	O-Ring	5350
M-290-5-5350	290-5	Gasket	5350

Kit Assembly Date: August 02, 2018

Please refer to most recent OEM installation instructions.

Trelleborg Sealing Solutions Charlotte, Inc.
1424 Cross Beam Drive | Charlotte, NC 28217
Phone: 704-523-4450 | Fax: 704-749-8527 | carolinaseal@trelleborg.com
WWW.TSS.TRELLEBORG.COM

To learn more about non-accident release (NAR), go to www.nar.aar.com.



Compliance Traceability Form
(TO BE FILED IN CAR FILE)

BEST PRACTICES RECOMMENDATION: O-RINGS SHOULD NOT BE PLACED IN SERVICE AFTER SHELF LIFE EXPIRATION DATE.

Shipper Name: Q Gxy
 Car No.: OCPX 80179
 Compartment No.: 1-1
 Repair Date: 3-29-21
 Valve Manufacturer: Midland
 Valve Model No.: B-612
 Valve Serial No.: AC251
 Commodity (if known): Vinyl Chloride
 Repair Shop: ATCS
 Location: Kingsport, TN
 Print Name: Hector Medina
 Installers Signature: [Redacted]
 NDE Level: II

M-612-11-5350
 612-11
 Tracing No. 202006300172
 Shelf Life Expiration
 October 1, 2033

M-612-10-SI
 612-10
 Tracing No. 202007080894
 Shelf Life Expiration
 April 1, 2030

CAROLINA SEAL CHEMICAL TRANSPORTATION



Your Partner for Sealing Technology

GAUGE DEVICE KIT (VITON® GF-S)

KIT-BG-5350-SI

Valve Models
 MIDLAND GAUGE B612, B625

Each kit contains

Part No.	Midland #	Description	Mat'l	Qty
M-612-10-SI	612-10	O-RING	SI	1
M-612-11-5350	612-11	O-RING	5350	1

1713-0089-01/1713-0311-01

XXUU000126VCCTS

Kit Assembly Date: Aug 18, 2020

Please refer to most recent OEM Installation Instructions.

Trelleborg Sealing Solutions Charlotte, Inc.
 1424 Cross Beam Drive | Charlotte, NC 28217
 Phone: 704-523-4450 | Fax: 704-749-8527 | carolinaseal@trelleborg.com
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