



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

<b>GROUP</b>	<b>F</b>
<b>EXHIBIT</b>	
16	

Agency / Organization

**Oxy Vinyls, LP**

Title

**Excerpts of Tank Car Qualification File for  
OCPX80235,  
April 16, 2020.**

## Occidental Chemical Corporation Qualification Stencil Report

Reporting Mark and Number: OCRX-80235 Tank Car Facility: Water Components

DOT Specification: DOT105330W Station Stencil: MRT

Inspection and Test Date: 4-16-20 Address: 17000 Premier Drive

City: Hochberg

State: TX

Zip: 77447

### 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>MRT</u>	<u>2020</u>	<u>2030</u>	12	TCID	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Thickness Test	<u>MRT</u>	<u>2020</u>	<u>2030</u>	13	OXY-03-01	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Service Equipment	<u>MRT</u>	<u>2020</u>	<u>2030</u>	15	OXY-05-01	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
PRD: <sup>VATTC</sup> <u>247.5</u>	<u>MRT</u>	<u>2020</u>	<u>2030</u>	15	OXY-05-01	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
HTR SYSTEM				15	OXY-09-01	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Lining				16	OXY-06-01	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
88.B.2 Inspection	<u>MRT</u>	<u>2020</u>	<u>2030</u>	18	OXY-07-01	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Stub Sill Inspection	<u>MRT</u>	<u>2020</u>	<u>2030</u>	12	TCID	Yes <input checked="" 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: ANDREW SIMON

Signature: [Redacted]

**COMMENTS:**

Oxy-10-01  
09-12-14

11951 N Spectrum Blvd., Houston, TX 77047  
**CVG Midland Manufacturing and E**

11951 N Spectrum Blvd., Houston, TX 77047

## A-724-OX-CVGFS Certificate of Test and Bench Test

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Sales Order:	55004245	Repair Date:	3/5/2020
Customer PO:	1601886	Original Mfg Date:	6/1/2009
Valve Model:	A-724-OX-CVGFS	Serial Number:	GE022-RA

### Incoming Test Information

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Data		Test Data	
Set Pressure:	psi	Seat Leak Test (PSI)	Pass
Incoming Temp:	74.00 °		
Inspector(s):	Kevin Williams , Agustin Galicia	Mounting Tongue Test	Pass
Inspection Date:	3/5/2020	Packing Area Leak Test (PSI)	Pass
Pressure Gauge		Outlet Flange Gasket Leak Test (PSI)	Pass
Serial Number:	M1928		
Calibration Due Date:	7/1/2021		

### Component Inspection Information

#### Resusable

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O-RING, CAROLINA SEAL 5350	No
STEM, STAINLESS STEEL	Yes
OUTLET FLANGE, CARBON STEEL	Yes
2" ANGLE VALVE BODY, STAINLESS STEEL	Yes

## A-724-OX-CVGFS Certificate of Test and Bench Test

Sales Order:	55004245	Repair Date:	3/5/2020
Customer PO:	1601886	Original Mfg Date:	6/1/2009
Valve Model:	A-724-OX-CVGFS	Serial Number:	GE019-RA

### Incoming Test Information

**Data**

Set Pressure: psi  
 Incoming Temp: 74.00 °  
 Inspector(s): Kevin Williams , Agustin Galicia  
 Inspection Date: 3/5/2020

Pressure Gauge

Serial Number: M1928  
 Calibration Due Date: 7/1/2021

**Test Data**

Seat Leak Test (PSI)	Pas s
Mounting Tongue Test	Pas s
Packing Area Leak Test (PSI)	Pas s
Outlet Flange Gasket Leak Test (PSI)	Pas s

### Component Inspection Information

**Resusable**

O-RING, CAROLINA SEAL 5350	No
STEM, STAINLESS STEEL	Yes
OUTLET FLANGE, CARBON STEEL	Yes
2" ANGLE VALVE BODY, STAINLESS STEEL	Yes

**Midland Manufacturing**

11951 N Spectrum Blvd., Houston, TX 77047

**A-724-OX-CVGFS Certificate of Test and Bench Test**

**Final Test Information**

**Data**

Set Pressure: N/A  
Incoming Temp: 74.00 °  
Inspector(s): Kevin Williams , Agustin Galicia  
Inspection Date: 3/5/2020

**Final Test Data**

Seat Test	Pass
Body Leak Test	Pass
Stem Packing Test	Pass

**Pressure Gauge**

Serial Number: M2442  
Calibration Due Date: 7/1/2020

Kevin Williams , Agustin Galicia



Optional Information Below:

To be completed by Mfr / Repair facility

- 1. Car Initial & Mark OCPX 80235 W
- 2. Valve Serial Number GEO 19-R7
- 3. Date Installed 3-18-20



11951 N Spectrum Blvd., Houston, TX 77047

# A-724-OX-CVGFS Certificate of Test and Bench Test

Sales Order:	55004245	Repair Date:	3/5/2020
Customer PO:	1601886	Original Mfg Date:	6/1/2009
Valve Model:	A-724-OX-CVGFS	Serial Number:	GE021-RA

## Incoming Test Information

Data		Test Data	
Set Pressure:	psi	Seat Leak Test (PSI)	Pass
Incoming Temp:	74.00 °	Mounting Tongue Test	Pass
Inspector(s):	Kevin Williams , Agustin Galicia	Packing Area Leak Test (PSI)	Pass
Inspection Date:	3/5/2020	Outlet Flange Gasket Leak Test (PSI)	Pass
Pressure Gauge			
Serial Number:	M1928		
Calibration Due Date:	7/1/2021		

## Component Inspection Information

Resusable	
O-RING, CAROLINA SEAL 5350	No
STEM, STAINLESS STEEL	Yes
OUTLET FLANGE, CARBON STEEL	Yes
2" ANGLE VALVE BODY, STAINLESS STEEL	Yes

**Midland Manufacturing**

11951 N Spectrum Blvd., Houston, TX 77047

**A-724-OX-CVGFS Certificate of Test and Bench Test**

**Final Test Information**

**Data**

Set Pressure: N/A  
Incoming Temp: 74.00 °  
Inspector(s): Kevin Williams , Agustin Galicia  
Inspection Date: 3/5/2020

**Final Test Data**

Seat Test	Pass
Body Leak Test	Pass
Stem Packing Test	Pass

**Pressure Gauge**

Serial Number: M2442  
Calibration Due Date: 7/1/2020

Kevin Williams , Agustin Galicia

[Redacted Signature]

[Redacted Signature]

Optional Information Below:

To be completed by Mfr / Repair facility

1. Car Initial & Mark OCPX 80235 B
2. Valve Serial Number GE021-R
3. Date Installed 3-18-20

# Midland Manufacturing

11951 N Spectrum Blvd., Houston, TX 77047

## A-37247-XS-ASXY-CVGFS Certificate of Test and Bench Test

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Sales Order:	55004245	Repair Date:	3/4/2020
Customer PO:	1601886	Original Mfg Date:	1/9/2020
Valve Model:	A-37247-XS-ASXY-CVGFS	Serial Number:	UW593-RA

### Incoming Test Information

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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)	235.00
Inspection Date:	3/4/2020	Start to Discharge (2nd Test) (PSI)	245.00
		Vapor Tight (2nd Test) (PSI)	235.00
Pressure Gauge		Start to Discharge (3rd Test) (PSI)	246.00
		Vapor Tight (3rd Test) (PSI)	235.00
Serial Number:	M2324		
Calibration Due Date:	6/6/2020		

### Component Inspection Information

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#### Reusable

O-RING, CAROLINA SEAL 5350	No
O-RING, CAROLINA SEAL 5350	No
VALVE STEM, STAINLESS STEEL	Yes
PRV SPRING, ALUMINUM PLATED ALLOY STEEL	Yes
BODY AND GUIDE TUBE ASSEMBLY, CARBON STEEL W/STAINLESS STEEL	Yes
RETAINER, STAINLESS STEEL	Yes





11951 N Spectrum Blvd., Houston, TX 77047

# A-37247-XS-ASXY-CVGFS Certificate of Test and Bench Test

## Final Test Information

Data		Final Test Data	
Set Pressure:	247.00 psi	Start to Discharge (psi)	247.00
Incoming Temp:	73.00 °	Vapor Tight (psi)	236.00
Inspector(s):	Terry Benson		
Inspection Date:	3/4/2020		

### Pressure Gauge

Serial Number: M2324  
 Calibration Due Date: 6/6/2020

Terry Benson



Optional Information Below:

To be completed by Mfr / Repair facility

1. Car Initial & Mark OCPX 80235
2. Valve Serial Number UW 593-R
3. Date Installed 3-18-20

# Occidental Chemical Corporation Pressure Relief Device Inspection and Test Report

Reporting Mark and Number: OCPX 80235  
 DOT Specification: 105T300W  
 DOT Stenciled Specification: 105T300W  
 Inspection and Test Date: 3-18-20  
 Tank Capacity in gallons: 24,815  
 Tank Test Pressure: 300  
 Heater System Test Pressure: N/A

Tank Car Facility Performing Tear-Down & Bench Test: Yes  No   
 Tank Car Facility Applying Device to the Tank: Yes  No   
 Station Stencil: MJT  
 Address: 1700 Pennville Dr  
 City: Hockley  
 State: TX  
 Zip: 77447

## Results of Inspection and Test

Component	A End	B End	Repair Method	ID
<b>Reclosing Pressure Relief Device</b>				
Manufacturer Model	<u>MOLINDA-37247</u>			
Serial Number	<u>UW593-RA</u>			
Start-to-Discharge Pressure	<u>247</u>			
Vapor Tight Pressure	<u>236</u>			
Elastomeric Seals Replaced	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Elastomeric Material	<u>CVGFS</u>			
Concentricity of Valve Stem Checked	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Dye Penetrant Test of Stem	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Dye Penetrant Inspection of Spring	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Solid Spring Compression	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Measured Height Before	<u>N/A</u>			
Measured Height After	<u>N/A</u>			
<b>Combination Pressure Relief Device</b>				
Rupture Disc Pressure	<u>N/A</u>			
Breaking Pin Lower Diaphragm Tight	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Tell-Tale Indicator Checked	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		
<b>Non-Reclosing Pressure Relief Device</b>				
Manufacturer Model	<u>N/A</u>			
Serial Number	<u>N/A</u>			
Leakage Pressure Test	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		

### ID: 01

Inspector's Name: FERNANDO AVILA  
 Signature: [Redacted]  
 Procedure Used: OCC-LTP-300

Level of VT Certification: II  
 Level of PT Certification: II  
 Pressure Gauge ID: N/A  
 Pressure Gauge Calibration Due: N/A

### ID: 02

Inspector's Name: N/A  
 Signature: N/A  
 Procedure Used: N/A

Level of VT Certification: N/A  
 Level of PT Certification: N/A  
 Pressure Gauge ID: N/A  
 Pressure Gauge Calibration Due: N/A

#### Repair Method

Rebuild -- RB; Replace Part -- RP; Replace Device -- RD  
 Remanufacture (only OEM -- RM; Reseal -- RS;

PRESSURE CAR (EXCEPT FOR CHLORINE)  
VALVE DATA FORM

Car Number OCPX 80235 Date 3-18-20

A-LIQUID MFG. and MODEL MIDLAND A-724 SER. NO. GE022-RA

B-LIQUID MFG. and MODEL MIDLAND A-724 SER. NO. GE021-RA



VAPOR MFG. and MODEL MIDLAND A-724 SER. NO. GE019-RA

If Midland valves applied: car is in compliance with CPC-1335 Midland Manufacturing 720 Series Valve Modification and Replacement.

APPLIED BY: WATCO MECHANICAL AT: HOCKLEY TX  
(REPAIR FACILITY) (LOCATION)

SIGNED: 

This form must be completed for all pressure cars in Oxy service (with the exception of chlorine), and a copy supplied to Bourque Logistics prior to car release.

Email or fax this document to: Bourque Logistics  
Attn: Brenda Malloy  
Phone:   
Email: [oxy\\_maintenance@railtrac.com](mailto:oxy_maintenance@railtrac.com)  
Fax: 

Revised: 06/16/2004  
11/08/2007  
01/18/2008  
09/05/2013  
08/03/2018