



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	
5	

Agency / Organization

LyondellBasell

Title


**Car Inspection Report NATX 35844,
January 26, 2023**

Start Date/Time: 1/26/2023 12:49 PM
 Completed Date/Time: 1/26/2023 12:53 PM
 Trans. Date/Time: 1/26/2023 1:23 PM
 Approved Date/Time:

On Demand: False
 In Progress: False
 Completed By: Herrera, Michael (maherrel)
 Approved By:

ISOTank Car Inspection Report


ISO Tank Car Inspection Report

 ISO Railcar Info
 ISO Railcar Info



Task Group Status:


✓ Enter Railcar ID (letters & numbers)	Natx 35844	1/26/2023 12:50:23 PM	Herrera, Michael (maherrel)
✓ Is railcar identified for Isobutylene loading?	Yes	1/26/2023 12:50:30 PM	Herrera, Michael (maherrel)
✓ Enter LPG tank number (ex: f1212a)	1212A	1/26/2023 12:50:35 PM	Herrera, Michael (maherrel)

 Seal Number



Task Group Status:


✓ Enter seal number	2398669	1/26/2023 12:50:50 PM	Herrera, Michael (maherrel)
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 Enter Return Seal Number



Task Group Status:


✓ Enter Return seal number	17437	1/26/2023 12:51:01 PM	Herrera, Michael (maherrel)
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 Pre-inspection checklist
 Pre-inspection checklist



Task Group Status:

✓ Above grade gangway, rails, pins, grating, and other safety devices in good working condition ?	Yes	1/26/2023 12:51:05 PM	Herrera, Michael (maherrel)
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 **No** : Fixed Equipment Warning

Completed Procedure Report ISOTank Car Inspection Report

✓ Is jacket shifting acceptable?	Yes	1/26/2023 12:51:12 PM	Herrera, Michael (maherrel)
✓ Is tank car number the same as paperwork?	Yes	1/26/2023 12:51:15 PM	Herrera, Michael (maherrel)
✓ Is car stenciled with product name?	Yes	1/26/2023 12:51:16 PM	Herrera, Michael (maherrel)
✓ Is car stenciling legible?	Yes	1/26/2023 12:51:18 PM	Herrera, Michael (maherrel)
✓ Are four placard holders present?	Yes	1/26/2023 12:51:20 PM	Herrera, Michael (maherrel)
✓ Is there any visible body damage?	No	1/26/2023 12:51:22 PM	Herrera, Michael (maherrel)
✓ Are safety appliances bent or broken?	No	1/26/2023 12:51:23 PM	Herrera, Michael (maherrel)
✓ Is tank car test date current?	Yes	1/26/2023 12:51:25 PM	Herrera, Michael (maherrel)
✓ Is safety valve test date current?	Yes	1/26/2023 12:51:26 PM	Herrera, Michael (maherrel)
✓ Is hand brake assembly working properly?	Yes	1/26/2023 12:51:28 PM	Herrera, Michael (maherrel)
✓ Are brake shoes acceptable?	Yes	1/26/2023 12:51:29 PM	Herrera, Michael (maherrel)
✓ Do brake hoses appear to be in working order?	Yes	1/26/2023 12:51:30 PM	Herrera, Michael (maherrel)
✓ Do brake hose connectors appear to be in working order?	Yes	1/26/2023 12:51:32 PM	Herrera, Michael (maherrel)
✓ Is hand brake set?	Yes	1/26/2023 12:51:34 PM	Herrera, Michael (maherrel)
✓ Does striker plate appear to be in working order?	Yes	1/26/2023 12:51:35 PM	Herrera, Michael (maherrel)
✓ Do couplers appear to be in working order?	Yes	1/26/2023 12:51:37 PM	Herrera, Michael (maherrel)
✓ Do side frames appear to be in working order?	Yes	1/26/2023 12:51:39 PM	Herrera, Michael (maherrel)

order?				maherrel)
✓ Are all springs in place?	Yes	1/26/2023 12:51:40 PM	Herrera, Michael (maherrel)	
✓ Do wheels appear to be in working order?	Yes	1/26/2023 12:51:42 PM	Herrera, Michael (maherrel)	
✓ Are wheels Chocked?	Yes	1/26/2023 12:51:44 PM	Herrera, Michael (maherrel)	
✓ Is ground cable connected?	Yes	1/26/2023 12:51:46 PM	Herrera, Michael (maherrel)	
✓ Is there a heel in the car?	No	1/26/2023 12:51:47 PM	Herrera, Michael (maherrel)	
✓ Are RV's leak free?	Yes	1/26/2023 12:51:49 PM	Herrera, Michael (maherrel)	
✓ Are dome gaskets & bolts in good condition?	Yes	1/26/2023 12:51:51 PM	Herrera, Michael (maherrel)	
✓ Is gauging device in working order?	Yes	1/26/2023 12:51:53 PM	Herrera, Michael (maherrel)	
✓ Do loading & off loading valves work correctly?	Yes	1/26/2023 12:51:55 PM	Herrera, Michael (maherrel)	
✓ Does exterior need repainting?	No	1/26/2023 12:51:58 PM	Herrera, Michael (maherrel)	
✓ Was pressure checked to 110 PSI?	Yes	1/26/2023 12:52:00 PM	Herrera, Michael (maherrel)	
✓ Are blue flags & derails set?	Yes	1/26/2023 12:52:02 PM	Herrera, Michael (maherrel)	



ENV during loading
ENV during loading



Task Group Status:


✓ Are liquid & vapor lines connected & tight on tank car during loading?	Yes	1/26/2023 12:52:03 PM	Herrera, Michael (maherrel)	
✗ No : Environmental Warning				
✓ Are all other openings closed on tank car during loading?	Yes	1/26/2023 12:52:04 PM	Herrera, Michael (maherrel)	


 **No : Environmental Warning**

✓ **Are liquid lines leak free on tank car during loading?** Yes 1/26/2023 12:52:06 PM Herrera, Michael (maherrel)

 **No : Environmental Warning**

✓ **Are there any VOC leaks detectible by sight, smell, or sound?** No 1/26/2023 12:52:08 PM Herrera, Michael (maherrel)

 **Yes : Environmental Warning**

 After Loading
After Loading




Task Group Status:

✓ **Enter type of gauge rod & specific gravity (ex: AA .66, Iso .60, Butad.628)** .60 1/26/2023 12:52:11 PM Herrera, Michael (maherrel)


✓ **Enter tank car outage.** 15 Production Normal 1/26/2023 12:52:25 PM Herrera, Michael (maherrel)

 **>0 : Production Normal**

✓ **Enter temperture of product** 65 Production Normal 1/26/2023 12:52:38 PM Herrera, Michael (maherrel)

 **>0 : Production Normal**

✓ **Enter pressure on tank car** 100 Production Normal 1/26/2023 12:52:42 PM Herrera, Michael (maherrel)

 **>0 : Production Normal**

✓ **Are all hoses disconnected?** Yes 1/26/2023 12:52:44 PM Herrera, Michael (maherrel)


✓ **Are all openings closed, properly plugged, & chains attached?** Yes 1/26/2023 12:52:46 PM Herrera, Michael (maherrel)


✓ **Are all openings & gauging device vapor tight?** Yes 1/26/2023 12:52:49 PM Herrera, Michael (maherrel)

✓ **Are seals on dome lids?** Yes 1/26/2023 12:52:51 PM Herrera, Michael (maherrel)

✓ **Are four placards clean & in holders?** Yes 1/26/2023 12:52:53 PM Herrera, Michael (maherrel)

✓ **Are Placards torn, tattered, or faded?** No 1/26/2023 12:52:54 PM Herrera, Michael (maherrel)

 **Yes : Safety Warning**


 Replace Placards that are torn, tattered, or faded.

✓ **Is ground cable disconnected?** Yes 1/26/2023 12:52:56 PM Herrera, Michael (maherrel)


✓ **Have chocks from wheel been removed?** Yes 1/26/2023 12:52:57 PM Herrera, Michael (maherrel)


✓ **Have blue flags & derails been pulled off track?** Yes 1/26/2023 12:52:59 PM Herrera, Michael (maherrel)

✓ **Is there any leakage?** No 1/26/2023 12:53:01 PM Herrera, Michael (maherrel)

 **Yes : Environmental Warning**

✓ **Is the above grade access equipment secured with slides & planks locked down?** Yes 1/26/2023 12:53:02 PM Herrera, Michael (maherrel)

 **No : Fixed Equipment Warning**

 Note why the slides & planks are not locked down

✓ **End of Inspection sheet. Save & mark complete.** Yes 1/26/2023 12:53:05 PM Herrera, Michael (maherrel)