

**From:** Timian, Jennifer (NHTSA)  
**To:** Bowker, Kyle (NHTSA)  
**Subject:** Accepted: Agility Fuel Solutions Regional Safety Recall Discussion  
**Start:** Friday, October 28, 2016 9:30:00 AM  
**End:** Friday, October 28, 2016 10:00:00 AM  
**Location:** Call-In Number:  Meeting Code:

---

**From:** [Timian, Jennifer \(NHTSA\)](#)  
**To:** [Bowker, Kyle \(NHTSA\)](#)  
**Subject:** Accepted: Agility Fuel Solutions Regional Safety Recall Discussion  
**Start:** Friday, October 28, 2016 9:30:00 AM  
**End:** Friday, October 28, 2016 10:00:00 AM  
**Location:** Call-In Number:  Meeting Code:

---

**From:** [Bowker, Kyle \(NHTSA\)](#)  
**To:** [Seung Baik](#)  
**Subject:** Accepted: Agility/NHTSA Call re Regional Recall  
**Start:** Friday, October 07, 2016 1:00:00 PM  
**End:** Friday, October 07, 2016 2:00:00 PM  
**Location:** Skype Meeting

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**From:** [Bowker, Kyle \(NHTSA\)](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#)  
**Cc:** [York, Bruce \(NHTSA\)](#); [Mykytiuk, Elizabeth \(NHTSA\)](#)  
**Subject:** Agility Fuel Solutions Regional Safety Recall Discussion  
**Start:** Friday, October 28, 2016 9:30:00 AM  
**End:** Friday, October 28, 2016 10:00:00 AM  
**Location:** Call-In Number: (b)(6) Meeting Code: (b)(6)  
**Attachments:** [image2016-10-24-171821.pdf](#)

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Jennifer is teleworking from home so please call into the teleconference number below.

Dialing #: (b)(6)

Meeting Code: (b)(6)

Rescheduled to Friday 10/28/2016 9:30am to add Elizabeth Mykytiuk from NCC to the discussion.

(b)(5)

**From:** [Bowker, Kyle \(NHTSA\)](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#)  
**Cc:** [York, Bruce \(NHTSA\)](#); [Mykytiuk, Elizabeth \(NHTSA\)](#)  
**Subject:** Agility Fuel Solutions Regional Safety Recall Discussion  
**Attachments:** [image2016-10-24-171821.pdf](#)

---

Rescheduled to Friday 10/28/2016 9:30am to add Elizabeth Mykytiuk from NCC to the discussion.

(b)(5) Deliberative Process Privilege

**From:** [Bowker, Kyle \(NHTSA\)](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#)  
**Cc:** [York, Bruce \(NHTSA\)](#)  
**Subject:** Agility Fuel Solutions Regional Safety Recall Discussion  
**Attachments:** [image2016-10-24-171821.pdf](#)

---

Can we reschedule this meeting to 2:30pm? Bruce just asked me to sit in on another meeting for him that runs from 1pm-2:30pm today.

(b)(5) Deliberative Process Privilege

**From:** [Bowker, Kyle \(NHTSA\)](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#)  
**Cc:** [York, Bruce \(NHTSA\)](#)  
**Subject:** Agility Fuel Solutions Regional Safety Recall Discussion  
**Attachments:** [image2016-10-24-171821.pdf](#)

---

(b)(5) Deliberative Process Privilege

**From:** [Mykytiuk, Elizabeth \(NHTSA\)](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#); [Bowker, Kyle \(NHTSA\)](#)  
**Subject:** Agility Letter re Regional Recall  
**Date:** Monday, October 24, 2016 5:19:46 PM  
**Attachments:** [image2016-10-24-171821.pdf](#)

---

See attached.



**From:** [Seung Baik](#)  
**To:** [Bowker, Kyle \(NHTSA\)](#); [Timian, Jennifer \(NHTSA\)](#); [Amit Bhakta](#); [Brittany Lee](#); [Katrina Nicha](#)  
**Subject:** Agility/NHTSA Call re Regional Recall

---

-----  
--> Join Skype Meeting <<https://meet.lync.com/agilityfso365/sbaik/4KVVS2S>>

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(b)(6)

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Conference ID: (b)(6)

Help <<http://go.microsoft.com/fwlink/?LinkId=389737>>

[!OC([1033])!]  
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**From:** [Seung Baik](#)  
**To:** [Bowker, Kyle \(NHTSA\)](#); [Timian, Jennifer \(NHTSA\)](#); [Amit Bhakta](#); [Brittany Lee](#); [Katrina Nicha](#)  
**Subject:** Agility/NHTSA Call re Regional Recall

---

-----  
--> Join Skype Meeting <<https://meet.lync.com/agilityfso365/sbaik/4KVVS2S>>

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Conference ID: (b)(6)

Help <<http://go.microsoft.com/fwlink/?LinkId=389737>>

[!OC([1033])!]  
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**From:** [Seung Baik](#)  
**To:** [Bowker, Kyle \(NHTSA\)](#)  
**Cc:** [Amit Bhakta](#); [Brittany Lee](#); [Katrina Nicha](#)  
**Subject:** Call  
**Date:** Tuesday, October 04, 2016 2:03:04 PM

---

Kyle, per my last email, are you available on Thursday at 1230p ET or Friday at 1p ET to discuss?

**Seung W. Baik**  
*Chief Legal Officer*  
**Agility Fuel Solutions**  
1815 Carnegie Ave.  
Santa Ana, CA 92705  
Direct: +1 949 396 7415  
Mobile: +1 949 324 6359  
Email: [Seung.Baik@agilityfs.com](mailto:Seung.Baik@agilityfs.com)  
Website: [www.agilityfuelsolutions.com](http://www.agilityfuelsolutions.com)



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**From:** [Timian, Jennifer \(NHTSA\)](#)  
**To:** [York, Bruce \(NHTSA\)](#); [Bowker, Kyle \(NHTSA\)](#)  
**Subject:** FW: Agility Fuel systems- 573 for CNG systems....regional recall (20 salt belt states)  
**Date:** Tuesday, October 04, 2016 8:10:33 AM  
**Attachments:** RCLRPT-16E-7566.pdf

---

Good morning.

Did Agility alert you of this regional recall?

Let's discuss please sometime today.

---

**From:** Neff, Joshua (NHTSA)  
**Sent:** Tuesday, October 4, 2016 5:18:18 AM  
**To:** Timian, Jennifer (NHTSA)  
**Subject:** Agility Fuel systems- 573 for CNG systems....regional recall (20 salt belt states)

Chronology included in the 573.

**From:** [Mykytiuk, Elizabeth \(NHTSA\)](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#); [Bowker, Kyle \(NHTSA\)](#)  
**Subject:** FW: Agility/NHTSA Call re Regional Recall  
**Date:** Monday, October 24, 2016 11:59:29 AM

---

I have the letter. I'll scan and email it later today.

---

**From:** Brittany Lee [<mailto:BLEe@agilityfs.com>]  
**Sent:** Friday, October 21, 2016 4:13 PM  
**To:** Timian, Jennifer (NHTSA); Seung Baik; Bowker, Kyle (NHTSA); Amit Bhakta; Katrina Nicha; Mykytiuk, Elizabeth (NHTSA)  
**Cc:** Michael Gustafson  
**Subject:** RE: Agility/NHTSA Call re Regional Recall

Hi Jennifer,

In accordance with 49 CFR Part 512, we have submitted via messenger Agility's response letter regarding the regional recall. As such, the package will be delivered to the Office of Chief Counsel for you to pick up either today or Monday.

Let me know if you have any additional questions.

Thank you,

**Brittany L. Tran**  
925-413-5810  
[blee@agilityfs.com](mailto:blee@agilityfs.com)

---

**From:** Timian, Jennifer (NHTSA) [<mailto:Jennifer.Timian@dot.gov>]  
**Sent:** Friday, October 07, 2016 10:52 AM  
**To:** Seung Baik; Bowker, Kyle (NHTSA); Amit Bhakta; Brittany Lee; Katrina Nicha; Mykytiuk, Elizabeth (NHTSA)  
**Cc:** Michael Gustafson  
**Subject:** RE: Agility/NHTSA Call re Regional Recall

Please find attached the regional recall policy. Please review it and submit an explanation along with any additional materials that demonstrate why a regional recall is appropriate here.

I trust this submission can be made within the next week given the small population.

You can submit them to me, Beth and Kyle via email if that's easiest. If they contain materials for which you are claiming confidential treatment, you will need to submit them in accordance with 49 CFR Part 512 and may not submit them directly to us. If that's the case, please do however let us know when they are submitted (or planned to be) and provide the tracking information please.

Thank you again for the very informative call,

Jennifer Timian



**Jennifer Timian**

Chief, Recall Management Division

U.S. Department of Transportation

National Highway Traffic Safety Administration

1200 New Jersey Avenue SE., Washington, DC 20590



-----Original Appointment-----

**From:** Seung Baik [<mailto:SBaik@agilityfs.com>]

**Sent:** Wednesday, October 05, 2016 2:31 PM

**To:** Seung Baik; Bowker, Kyle (NHTSA); Timian, Jennifer (NHTSA); Amit Bhakta; Brittany Lee; Katrina Nicha; Mykytiuk, Elizabeth (NHTSA)

**Cc:** Michael Gustafson

**Subject:** Agility/NHTSA Call re Regional Recall

**When:** Friday, October 07, 2016 10:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Skype Meeting

---

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**From:** [Timian, Jennifer \(NHTSA\)](#)  
**To:** ["Seung Baik" \(Sbaik@agilityfs.com\)](#); [Michael Gustafson \(MGustafson@agilityfs.com\)](#); [Brittany Lee \(BLee@agilityfs.com\)](#); [Amit Bhakta \(ABhakta@agilityfs.com\)](#)  
**Cc:** [Bowker, Kyle \(NHTSA\)](#); [Mykytiuk, Elizabeth \(NHTSA\)](#); [Bond, Tariq \(NHTSA\)](#)  
**Subject:** Proposed Regional Recall  
**Date:** Tuesday, November 08, 2016 4:42:04 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)

---

Good afternoon.

Thank you again for the phone conference several week ago to review the basis for Agility's proposal to expand its 2014 regional recall to additional products, but also on a regional basis. We have carefully considered the points that you made and the materials submitted. At this juncture, we are not comfortable with limiting this recall to certain regions, and request Agility refile the recall to apply nationally.

For example, there were 2 reported fuel leak incidents in Louisiana and Florida, and not areas covered within the proposed regional recall. We don't feel the information surrounding those incidents overwhelming points to a geographically related origin or cause.

We further reviewed safety recall 14E-056 and noticed Agility has had to perform multiple recall scope revisions. And that recall has a poor completion rate of 38% as of last reporting to us. Given this performance and experience, we are additionally concerned that a less than complete national scope could amplify risk.

We request Agility file a recall decision reflecting a complete (national) scope. Please let us know as soon as possible when we can expect that recall filing.

On a final note, we are eager to engage in a closer relationship with Agility on both pending potential defects issues, as well as those for which it has made recall decisions. Agility's unilateral decision to conduct a regional safety recall without seeking our office's input (or even knowing to) served as an example of where a closer relationship, with more frequent communication to discuss potential safety defect issues, may have benefitted us all and saved time and resources. Kyle has plans to reach out to you to discuss a more frequent dialogue. We've found these dialogues to be immensely helpful in exchanging timely information and understanding perspectives on issues.

Thank you again,



Jennifer Timian  
Chief, Recall Management Division  
U.S. Department of Transportation  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue SE., Washington, DC 20590

**From:** [Bowker, Kyle \(NHTSA\)](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#); [York, Bruce \(NHTSA\)](#)  
**Subject:** RE: Agility Fuel systems- 573 for CNG systems....regional recall (20 salt belt states)  
**Date:** Tuesday, October 04, 2016 8:34:21 AM  
**Attachments:** [image005.png](#)  
[image006.png](#)  
[image007.png](#)  
[image008.png](#)  
[image009.png](#)  
[image010.png](#)  
[image011.png](#)  
[image012.png](#)

Thank you. I appreciate that.



**Kyle Bowker**  
 Senior Safety Defects Engineer, CNG-FSI, IAAI-FIT  
 Department of Transportation  
 National Highway Traffic Safety Administration  
 1200 New Jersey Avenue SE., Washington, DC 20590  
 Office: 202-366-9597 Mobile: 202-297-0617

**From:** [Timian, Jennifer \(NHTSA\)](#)  
**Sent:** Tuesday, October 04, 2016 8:34 AM  
**To:** [Bowker, Kyle \(NHTSA\)](#); [York, Bruce \(NHTSA\)](#)  
**Subject:** RE: Agility Fuel systems- 573 for CNG systems....regional recall (20 salt belt states)

Okay I'm going to direct Agility to reach out to you to arrange a technical briefing to explain with painful detail the support for the regional approach. They are required under the policy to do this. Since they didn't, I also plan to reject the recall filing and will have to refill either nationally or on a regional basis mhvd believes sound based on data.

I will likely join the technical briefing and I suspect NCC wil as well. There's a lot of interest in dampening these.

**From:** [Bowker, Kyle \(NHTSA\)](#)  
**Sent:** Tuesday, October 4, 2016 8:12:39 AM  
**To:** [Timian, Jennifer \(NHTSA\)](#); [York, Bruce \(NHTSA\)](#)  
**Subject:** RE: Agility Fuel systems- 573 for CNG systems....regional recall (20 salt belt states)

Thanks for the heads up. Agility did not notify me and it's been a few months since I've had a conversation with them. My calendar is up to date if you'd like to schedule a time to discuss.



**Kyle Bowker**  
 Senior Safety Defects Engineer, CNG-FSI, IAAI-FIT  
 Department of Transportation  
 National Highway Traffic Safety Administration  
 1200 New Jersey Avenue SE., Washington, DC 20590  
 Office: 202-366-9597 Mobile: 202-297-0617

**From:** Timian, Jennifer (NHTSA)  
**Sent:** Tuesday, October 04, 2016 8:11 AM  
**To:** York, Bruce (NHTSA); Bowker, Kyle (NHTSA)  
**Subject:** FW: Agility Fuel systems- 573 for CNG systems....regional recall (20 salt belt states)

Good morning.

Did Agility alert you of this regional recall?

Let's discuss please sometime today.

---

**From:** Neff, Joshua (NHTSA)  
**Sent:** Tuesday, October 4, 2016 5:18:18 AM  
**To:** Timian, Jennifer (NHTSA)  
**Subject:** Agility Fuel systems- 573 for CNG systems....regional recall (20 salt belt states)

Chronology included in the 573.

**From:** [Bowker, Kyle \(NHTSA\)](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#)  
**Subject:** RE: Agility Letter re Regional Recall  
**Date:** Tuesday, October 25, 2016 4:45:02 PM  
**Attachments:** [Truck fire spreads to building in Mt. Laurel - 6abc.pdf](#)  
[image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)

---

Jennifer,

I have reviewed Agility's letter explaining their rationale for wanting to conduct a regional safety recall (14E-056 and 16E-rejected). I am concerned that they did not provide an explanation for the two incidents that occurred on vehicles in FL and LA. Furthermore, Agility provides no state registration data to support an incident rate analysis by state or region (salt belt vs. not).

In my mind, just because the majority of the incidents have occurred in salt belt states is not sufficient justification alone to conduct a regional recall. These are very serious incidents with the potential for fire, injury and property damage. See the news report attached on the Mt. Laurel, NJ incident that prompted them to expand the scope of 14E-056.



**Kyle Bowker**  
 Senior Safety Defects Engineer, CNG-FSI, IAAI-FIT  
 Department of Transportation  
 National Highway Traffic Safety Administration  
 1200 New Jersey Avenue SE., Washington, DC 20590  
 Office: 202-366-9597 Mobile: 202-297-0617

-----Original Message-----

**From:** Mykytiuk, Elizabeth (NHTSA)  
**Sent:** Monday, October 24, 2016 5:20 PM  
**To:** Timian, Jennifer (NHTSA); Bowker, Kyle (NHTSA)  
**Subject:** Agility Letter re Regional Recall  
 See attached.

**From:** [Timian, Jennifer \(NHTSA\)](#)  
**To:** [Seung Baik](#); [Bowker, Kyle \(NHTSA\)](#); [Amit Bhakta](#); [Brittany Lee](#); [Katrina Nicha](#); [Mykytiuk, Elizabeth \(NHTSA\)](#)  
**Cc:** [Michael Gustafson](#)  
**Subject:** RE: Agility/NHTSA Call re Regional Recall  
**Date:** Friday, October 07, 2016 1:51:40 PM  
**Attachments:** [WeinsteinMemo.pdf](#)

---

Please find attached the regional recall policy. Please review it and submit an explanation along with any additional materials that demonstrate why a regional recall is appropriate here.

I trust this submission can be made within the next week given the small population.

You can submit them to me, Beth and Kyle via email if that's easiest. If they contain materials for which you are claiming confidential treatment, you will need to submit them in accordance with 49 CFR Part 512 and may not submit them directly to us. If that's the case, please do however let us know when they are submitted (or planned to be) and provide the tracking information please.

Thank you again for the very informative call,

Jennifer Timian

**Jennifer Timian**

Chief, Recall Management Division

U.S. Department of Transportation

National Highway Traffic Safety Administration

1200 New Jersey Avenue SE., Washington, DC 20590

-----Original Appointment-----

**From:** Seung Baik [<mailto:SBaik@agilityfs.com>]

**Sent:** Wednesday, October 05, 2016 2:31 PM

**To:** Seung Baik; Bowker, Kyle (NHTSA); Timian, Jennifer (NHTSA); Amit Bhakta; Brittany Lee; Katrina Nicha; Mykytiuk, Elizabeth (NHTSA)

**Cc:** Michael Gustafson

**Subject:** Agility/NHTSA Call re Regional Recall

**When:** Friday, October 07, 2016 10:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Skype Meeting

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**To:** [Bowker, Kyle \(NHTSA\)](#); ["Seung Baik"](#); [Amit Bhakta](#); [Brittany Lee](#); [Katrina Nicha](#); [Mike Gallagher](#); [Mykytiuk, Elizabeth \(NHTSA\)](#)  
**Subject:** RE: Agility/NHTSA Call re Regional Recall  
**Date:** Wednesday, October 05, 2016 8:37:35 AM  
**Attachments:** [image005.png](#)  
[image006.png](#)  
[image007.png](#)  
[image008.png](#)  
[image009.png](#)  
[image010.png](#)  
[image011.png](#)  
[image012.png](#)

I should be able to make that work as well. Please send the calendar invitation along with the virtual meeting credentials and links.

Please include Ms. Beth Mykytiuk on the invitation as well (copied here). She is with our counsel's office and works with us on regional recalls.

Thank you,

Jennifer Timian



**Jennifer Timian**  
 Chief, Recall Management Division  
 U.S. Department of Transportation  
 National Highway Traffic Safety Administration  
 1200 New Jersey Avenue SE., Washington, DC 20590

**From:** Bowker, Kyle (NHTSA)  
**Sent:** Wednesday, October 05, 2016 8:16 AM  
**To:** 'Seung Baik'; Timian, Jennifer (NHTSA); Amit Bhakta; Brittany Lee; Katrina Nicha; Mike Gallagher  
**Subject:** RE: Agility/NHTSA Call re Regional Recall  
 Friday 10/7 at 1pm EDT (10am PDT) works for me.



**Kyle Bowker**  
 Senior Safety Defects Engineer, CNG-FSI, IAAI-FIT  
 Department of Transportation  
 National Highway Traffic Safety Administration  
 1200 New Jersey Avenue SE., Washington, DC 20590  
 Office: 202-366-9597 Mobile: 202-297-0617

**From:** Seung Baik [<mailto:SBaik@agilityfs.com>]  
**Sent:** Tuesday, October 04, 2016 6:02 PM  
**To:** Timian, Jennifer (NHTSA); Amit Bhakta; Brittany Lee; Katrina Nicha; Mike Gallagher; Bowker, Kyle (NHTSA)  
**Subject:** RE: Agility/NHTSA Call re Regional Recall  
 Jennifer, I cannot make the new proposed time. Does Friday @ 1 pm EDT, 10 am PDT work for everyone?

-----Original Appointment-----

**From:** Timian, Jennifer (NHTSA) [<mailto:Jennifer.Timian@dot.gov>]  
**Sent:** Tuesday, October 04, 2016 12:13 PM  
**To:** Seung Baik  
**Subject:** New Time Proposed: Agility/NHTSA Call re Regional Recall  
**When:** Thursday, October 06, 2016 9:30 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).  
**Where:** Skype Meeting

Hi. We have an awards ceremony in the early afternoon hours. Will this earlier time work?

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**From:** [Bowker, Kyle \(NHTSA\)](#)  
**To:** ["Seung Baik"](#); [Timian, Jennifer \(NHTSA\)](#); [Amit Bhakta](#); [Brittany Lee](#); [Katrina Nicha](#); [Mike Gallagher](#)  
**Subject:** RE: Agility/NHTSA Call re Regional Recall  
**Date:** Wednesday, October 05, 2016 8:16:01 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)

Friday 10/7 at 1pm EDT (10am PDT) works for me.



**Kyle Bowker**  
 Senior Safety Defects Engineer, CNG-FSI, IAAI-FIT  
 Department of Transportation  
 National Highway Traffic Safety Administration  
 1200 New Jersey Avenue SE., Washington, DC 20590  
 Office: 202-366-9597 Mobile: 202-297-0617

**From:** Seung Baik [<mailto:Sbaik@agilityfs.com>]  
**Sent:** Tuesday, October 04, 2016 6:02 PM  
**To:** Timian, Jennifer (NHTSA); Amit Bhakta; Brittany Lee; Katrina Nicha; Mike Gallagher; Bowker, Kyle (NHTSA)  
**Subject:** RE: Agility/NHTSA Call re Regional Recall  
 Jennifer, I cannot make the new proposed time. Does Friday @ 1 pm EDT, 10 am PDT work for everyone?

-----Original Appointment-----

**From:** Timian, Jennifer (NHTSA) [<mailto:Jennifer.Timian@dot.gov>]  
**Sent:** Tuesday, October 04, 2016 12:13 PM  
**To:** Seung Baik  
**Subject:** New Time Proposed: Agility/NHTSA Call re Regional Recall  
**When:** Thursday, October 06, 2016 9:30 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).  
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**To:** [Timian, Jennifer \(NHTSA\)](#); [Amit Bhakta](#); [Brittany Lee](#); [Katrina Nicha](#); [Mike Gallagher](#); [Bowker, Kyle \(NHTSA\)](#)  
**Subject:** RE: Agility/NHTSA Call re Regional Recall  
**Date:** Tuesday, October 04, 2016 6:03:15 PM

---

Jennifer, I cannot make the new proposed time. Does Friday @ 1 pm EDT, 10 am PDT work for everyone?

-----Original Appointment-----

**From:** Timian, Jennifer (NHTSA) [mailto:[Jennifer.Timian@dot.gov](mailto:Jennifer.Timian@dot.gov)]

**Sent:** Tuesday, October 04, 2016 12:13 PM

**To:** Seung Baik

**Subject:** New Time Proposed: Agility/NHTSA Call re Regional Recall

**When:** Thursday, October 06, 2016 9:30 AM-10:30 AM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Skype Meeting

Hi. We have an awards ceremony in the early afternoon hours. Will this earlier time work?

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**From:** [Brittany Lee](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#); [Seung Baik](#); [Bowker, Kyle \(NHTSA\)](#); [Amit Bhakta](#); [Katrina Nicha](#); [Mykytiuk, Elizabeth \(NHTSA\)](#)  
**Cc:** [Michael Gustafson](#)  
**Subject:** RE: Agility/NHTSA Call re Regional Recall  
**Date:** Friday, October 21, 2016 4:13:26 PM

---

Hi Jennifer,

In accordance with 49 CFR Part 512, we have submitted via messenger Agility's response letter regarding the regional recall. As such, the package will be delivered to the Office of Chief Counsel for you to pick up either today or Monday.

Let me know if you have any additional questions.

Thank you,

**Brittany L. Tran**  
925-413-5810  
[blee@agilityfs.com](mailto:blee@agilityfs.com)

---

**From:** Timian, Jennifer (NHTSA) [<mailto:Jennifer.Timian@dot.gov>]  
**Sent:** Friday, October 07, 2016 10:52 AM  
**To:** Seung Baik; Bowker, Kyle (NHTSA); Amit Bhakta; Brittany Lee; Katrina Nicha; Mykytiuk, Elizabeth (NHTSA)  
**Cc:** Michael Gustafson  
**Subject:** RE: Agility/NHTSA Call re Regional Recall

Please find attached the regional recall policy. Please review it and submit an explanation along with any additional materials that demonstrate why a regional recall is appropriate here. I trust this submission can be made within the next week given the small population.

You can submit them to me, Beth and Kyle via email if that's easiest. If they contain materials for which you are claiming confidential treatment, you will need to submit them in accordance with 49 CFR Part 512 and may not submit them directly to us. If that's the case, please do however let us know when they are submitted (or planned to be) and provide the tracking information please.

Thank you again for the very informative call,

Jennifer Timian



**Jennifer Timian**  
Chief, Recall Management Division  
U.S. Department of Transportation  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue SE., Washington, DC 20590

-----Original Appointment-----

**From:** Seung Baik [<mailto:SBaik@agilityfs.com>]

**Sent:** Wednesday, October 05, 2016 2:31 PM

**To:** Seung Baik; Bowker, Kyle (NHTSA); Timian, Jennifer (NHTSA); Amit Bhakta; Brittany Lee; Katrina Nicha; Mykytiuk, Elizabeth (NHTSA)

**Cc:** Michael Gustafson

**Subject:** Agility/NHTSA Call re Regional Recall

**When:** Friday, October 07, 2016 10:00 AM-11:00 AM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Skype Meeting

---

→ [Join Skype Meeting](#)

This is an online meeting for Skype for Business, the professional meetings and communications app formerly known as Lync.

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Toll number: [+1 \(213\) 443-6830](tel:+12134436830)

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Conference ID: 3701529

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[!OC({1033})!]

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viruses. The company accepts no liability for any damage caused by any virus transmitted by this email.

**From:** [Bowker, Kyle \(NHTSA\)](#)  
**To:** [Seung Baik](#)  
**Cc:** [Amit Bhakta](#); [Brittany Lee](#); [Katrina Nicha](#)  
**Subject:** RE: Call  
**Date:** Tuesday, October 04, 2016 2:07:58 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image004.png](#)  
[image005.png](#)

---

Thursday 10/6 at 12:30pm EDT works for me.

I haven't yet been briefed on new business processes or legal interpretations regarding regional recalls. So maybe it's best to copy Jennifer Timian on the meeting invitation also as an optional attendee. She might accept or possibly forward it to one of the analysts on her staff. Thanks.



**Kyle Bowker**  
 Senior Safety Defects Engineer, CNG-FSI, IAAI-FIT  
 Department of Transportation  
 National Highway Traffic Safety Administration  
 1200 New Jersey Avenue SE., Washington, DC 20590  
 Office: 202-366-9597 Mobile: 202-297-0617

---

**From:** Seung Baik [mailto:[SBaik@agilityfs.com](mailto:SBaik@agilityfs.com)]  
**Sent:** Tuesday, October 04, 2016 2:02 PM  
**To:** Bowker, Kyle (NHTSA)  
**Cc:** Amit Bhakta; Brittany Lee; Katrina Nicha  
**Subject:** Call

Kyle, per my last email, are you available on Thursday at 1230p ET or Friday at 1p ET to discuss?

**Seung W. Baik**  
 Chief Legal Officer  
**Agility Fuel Solutions**  
 1815 Carnegie Ave.  
 Santa Ana, CA 92705  
 Direct: +1 949 396 7415  
 Mobile: +1 949 324 6359  
 Email: [Seung.Baik@agilityfs.com](mailto:Seung.Baik@agilityfs.com)  
 Website: [www.agilityfuelsolutions.com](http://www.agilityfuelsolutions.com)



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**From:** [Seung Baik](#)  
**To:** [Timian, Jennifer \(NHTSA\)](#); [Bowker, Kyle \(NHTSA\)](#); [Mykytiuk, Elizabeth \(NHTSA\)](#); [Bond, Tariq \(NHTSA\)](#)  
**Cc:** [Michael Gustafson](#); [Brittany Lee](#); [Amit Bhakta](#); [CGrigorian@foley.com](mailto:CGrigorian@foley.com)  
**Subject:** RE: Proposed Regional Recall  
**Date:** Monday, November 14, 2016 12:35:35 PM  
**Attachments:** [image007.png](#)  
[image008.png](#)  
[image009.png](#)  
[image010.png](#)

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Thank you for your email and for the time you and your team have spent considering the justifications for our regional recall. We plan to convene our Safety Committee promptly to make a formal decision based on your email response below. While we don't necessarily share the view that the two incidents that occurred outside the "rust belt" justify expansion of this recall to a national scope, our Safety Committee will take up this discussion and we will report back to you shortly.

Regarding NHTSA's policy, however, we note that our original and amended Part 573 submissions clearly stated our intent to conduct a regional recall and described the defect in a manner that made it clear that we were treating this as a road salt-induced corrosion issue. We naturally assumed that if NHTSA had any concerns about our plan to conduct this recall on a regional basis, we would have been informed at that time. Additionally, we note for the record that the completion rate on this recall increased substantially to 64% as of the end of the last calendar quarter (quarter ending 9/30/2016). The low completion rate that you cited in your email was the result of lack of customer response as of the date of that figure, before we voluntarily notified customers again. We don't believe the completion rate would have been materially different if this recall had originally proceeded as a national recall.

Finally, we welcome additional dialogue between Agility and NHTSA. As Kyle knows, we have been very candid and transparent about the way we view potential safety defect issues. We hope Kyle would agree that we have demonstrated a shared interest in ensuring that safety issues are reported and effectively addressed in a timely manner. We look forward to continuing our open communication with Kyle and others at NHTSA in the future. We will let you know the outcome of our Safety Committee's evaluation of this matter.

Sincerely,

**Seung W. Baik**  
*Chief Legal Officer*  
**Agility Fuel Solutions**

Direct: +1 949 396 7415  
 Mobile: +1 949 324 6359  
 Mail: [Seung.Baik@agilityfs.com](mailto:Seung.Baik@agilityfs.com)  
 Web: [www.agilityfuelsolutions.com](http://www.agilityfuelsolutions.com)




---

**From:** Timian, Jennifer (NHTSA) [<mailto:Jennifer.Timian@dot.gov>]  
**Sent:** Tuesday, November 08, 2016 1:42 PM  
**To:** Seung Baik <[SBaik@agilityfs.com](mailto:SBaik@agilityfs.com)>; Michael Gustafson <[MGustafson@agilityfs.com](mailto:MGustafson@agilityfs.com)>; Brittany Lee <[BLee@agilityfs.com](mailto:BLee@agilityfs.com)>; Amit Bhakta <[ABhakta@agilityfs.com](mailto:ABhakta@agilityfs.com)>  
**Cc:** Bowker, Kyle (NHTSA) <[Kyle.Bowker@dot.gov](mailto:Kyle.Bowker@dot.gov)>; Mykytiuk, Elizabeth (NHTSA) <[elizabeth.mykytiuk@dot.gov](mailto:elizabeth.mykytiuk@dot.gov)>; Bond, Tariq (NHTSA) <[tariq.bond@dot.gov](mailto:tariq.bond@dot.gov)>

**Subject:** Proposed Regional Recall

Good afternoon.

Thank you again for the phone conference several week ago to review the basis for Agility's proposal to expand its 2014 regional recall to additional products, but also on a regional basis. We have carefully considered the points that you made and the materials submitted. At this juncture, we are not comfortable with limiting this recall to certain regions, and request Agility refile the recall to apply nationally.

For example, there were 2 reported fuel leak incidents in Louisiana and Florida, and not areas covered within the proposed regional recall. We don't feel the information surrounding those incidents overwhelming points to a geographically related origin or cause.

We further reviewed safety recall 14E-056 and noticed Agility has had to perform multiple recall scope revisions. And that recall has a poor completion rate of 38% as of last reporting to us. Given this performance and experience, we are additionally concerned that a less than complete national scope could amplify risk.

We request Agility file a recall decision reflecting a complete (national) scope. Please let us know as soon as possible when we can expect that recall filing.

On a final note, we are eager to engage in a closer relationship with Agility on both pending potential defects issues, as well as those for which it has made recall decisions. Agility's unilateral decision to conduct a regional safety recall without seeking our office's input (or even knowing to) served as an example of where a closer relationship, with more frequent communication to discuss potential safety defect issues, may have benefitted us all and saved time and resources. Kyle has plans to reach out to you to discuss a more frequent dialogue. We've found these dialogues to be immensely helpful in exchanging timely information and understanding perspectives on issues.

Thank you again,



Jennifer Timian  
Chief, Recall Management Division  
U.S. Department of Transportation  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue SE., Washington, DC 20590

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**From:** [Seung Baik](#)  
**To:** [Bond, Tariq \(NHTSA\)](#); [Yoshio Coy](#); [Brittany Lee](#); [Katrina Nicha](#)  
**Cc:** [Timian, Jennifer \(NHTSA\)](#); [Neff, Joshua \(NHTSA\)](#); [Rice, Michelle \(NHTSA\)](#); [York, Bruce \(NHTSA\)](#); [Bowker, Kyle \(NHTSA\)](#)  
**Subject:** RE: Returned Part 573 Safety Recall Report for "Side-Mount CNG Fuel System"  
**Date:** Tuesday, October 04, 2016 1:55:02 PM  
**Attachments:** [image007.png](#)  
[image008.png](#)  
[image009.png](#)  
[image010.png](#)

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We understand the request. I will reach out to Kyle Bowker directly to set up a call later this week. As you know, we initially filed this recall as an amendment to an existing regional recall, 14E-056. We were then informed by your office to submit a new recall instead of an amendment. Given that there are no core technical differences between the two recalls, we assumed there would not be any issues. However, we can go over the analysis again.

Regards,

**Seung W. Baik**  
*Chief Legal Officer*  
**Agility Fuel Solutions**

Direct: +1 949 396 7415  
 Mobile: +1 949 324 6359  
 Mail: [Seung.Baik@agilityfs.com](mailto:Seung.Baik@agilityfs.com)  
 Web: [www.agilityfuelsolutions.com](http://www.agilityfuelsolutions.com)




---

**From:** Bond, Tariq (NHTSA) [mailto:[tariq.bond@dot.gov](mailto:tariq.bond@dot.gov)]  
**Sent:** Tuesday, October 04, 2016 8:14 AM  
**To:** Seung Baik <[SBaik@agilityfs.com](mailto:SBaik@agilityfs.com)>; Yoshio Coy <[YCoy@agilityfs.com](mailto:YCoy@agilityfs.com)>; Barry Peeples <[BPeeples@agilityfs.com](mailto:BPeeples@agilityfs.com)>  
**Cc:** Timian, Jennifer (NHTSA) <[Jennifer.Timian@dot.gov](mailto:Jennifer.Timian@dot.gov)>; Neff, Joshua (NHTSA) <[joshua.neff@dot.gov](mailto:joshua.neff@dot.gov)>; Rice, Michelle (NHTSA) <[Michelle.Rice@dot.gov](mailto:Michelle.Rice@dot.gov)>; York, Bruce (NHTSA) <[Bruce.York@dot.gov](mailto:Bruce.York@dot.gov)>; Bowker, Kyle (NHTSA) <[Kyle.Bowker@dot.gov](mailto:Kyle.Bowker@dot.gov)>  
**Subject:** Returned Part 573 Safety Recall Report for "Side-Mount CNG Fuel System"

Good morning Seung (Agility),

I am returning this 573 filing for "Side-Mount CNG Fuel System" to Agility Fuel Systems. No one in ODI can recall being briefed on this subject or having awareness that Agility Fuel Systems was planning to conduct a regional recall. A regional recall decision is not a unilateral decision by an OEM, but requires at the very least an advance discussion with the agency so we can very clearly understand the technical basis for the non-national scope.

Would you please have someone reach out to **Bruce York ([Bruce.York@DOT.gov](mailto:Bruce.York@DOT.gov))** and **Kyle Bowker ([Kyle.Bowker@DOT.gov](mailto:Kyle.Bowker@DOT.gov))** in ODI to arrange a technical briefing with him or his delegates so that we can have this discussion? I defer to Mike as to the specifics that he would like to see, but I would think at least a detailed exchange concerning the field data and testing that supports Agility Fuel Systems' evaluation on scope would be needed. We would also like to understand what Agility Fuel Systems' expectations are for the bordering states and other areas of the country that are not included in the recall scope but do use road salts. In other words, we would expect some creep but does Agility Fuel Systems have estimates on how long that creep will take?

We would also like to know if Agility Fuel Systems plans on notifying ever registered owners and whether it has a separate field action for the non-recall states planned and if that involved affirmative notification or not.

Thank you kindly,



*Tariq Bond*

Safety Recall Engineer Specialist

[Tariq.Bond@dot.gov](mailto:Tariq.Bond@dot.gov)

202-366-5472

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USE ONLY

Wednesday, February 28, 2018



## Issue List

11:19:49 AM

Screener: Kyle Bowker

ID	Folder Name	Status	Deadline	Fleet Age (mo)	Issue Age (days)	Update Date
2049	2016-10-25-2013-2014 Agility Fuel Systems-Motion Industries Hose-CNG Leak	1: Resolved			491	9/5/2017

Count: 

MHDVD

**CONFIDENTIAL BUSINESS INFORMATION**

1815 Carnegie Avenue  
Santa Ana, CA 92705  
www.agilityfuelsolutions.com  
+1 949 236 5520

October 21, 2016

Ms. Jennifer Timian  
Chief, Recall Management Division  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue SE  
Washington, DC 20590

Re: Proposed Regional Recall of Certain Agility Fuel Solutions Side-Mount CNG Fuel Systems

Dear Ms. Timian:

This is in response to our telephone conversation on October 7, 2016 where NHTSA inquired about our recent Part 573 defect notification involving certain Agility Fuel Solutions' side-mount CNG fuel systems equipped with flexible fuel hoses supplied by Motion Industries. Agility previously filed this recall in 2014 (see Recall No. 14E056). Since that time, additional failures observed by Agility have caused us to expand the recall to include our "210" series fuel systems. The recall scope includes vehicles/fuel systems manufactured from August 2013 to August 2014. In our defect notification, we have proposed conducting a regional recall in salt belt states to address the condition. This is consistent with our previously filed recall.

Agility believes that the nature of the defect and the type of affected vehicles supports our proposal to limit the recall to salt belt states. As you know, salt belt states are states where large quantities of salt and magnesium chloride are applied to roads during the winter season to control snow and ice. It is well known that road salt is a common cause for rapid corrosion of vehicle components. Based on our root cause analysis, which is ongoing, Agility has preliminarily concluded that the subject defect is the result of corrosion of the flexible fuel hoses due to long-term and recurring exposure to road salt and related environmental conditions. For your reference, we have attached Exhibit A which illustrates two spectrograph analyses on two failed hoses. These analyses reveal high levels of chloride present in both hoses. That analyses was an important factor in concluding that road salt was the accelerating factor in corroding the hoses.

Also attached for your reference as Exhibit B is a geographic map showing the locations of reported failures. The failures have been highly concentrated among the salt

**CONFIDENTIAL BUSINESS INFORMATION**

belt states. Among 14 total reported failures to date, 12 involved vehicles within salt belt states and 2 involved vehicles in non-salt belt states (Louisiana and Florida). This data further supports our conclusion that the condition is directly related to the use of road salt in the salt belt states.

Approximately 85% of the vehicles within the scope of this recall are refuse vehicles, while the other 15% are local transport trucks. These vehicles travel short distances during the day and refuel at night, almost always returning to their home base operations. These vehicles are not designed to be long range transport vehicles. As a result, we have concluded that these subject vehicles would be exposed to the same road conditions year round during their useful life. Our analysis indicates also that, for a corrosion-induced hose failure to occur, a vehicle must be present in a salt belt state for an extended period of time. A short pass through one of these states would not subject it to the necessary chloride exposure to accelerate the corrosion in the same manner that we have observed.

Based upon the foregoing, we believe it is appropriate to address this condition through a regional recall in salt belt states. If you have any additional questions or if you need additional information in support of our proposed action, please do not hesitate to contact me.

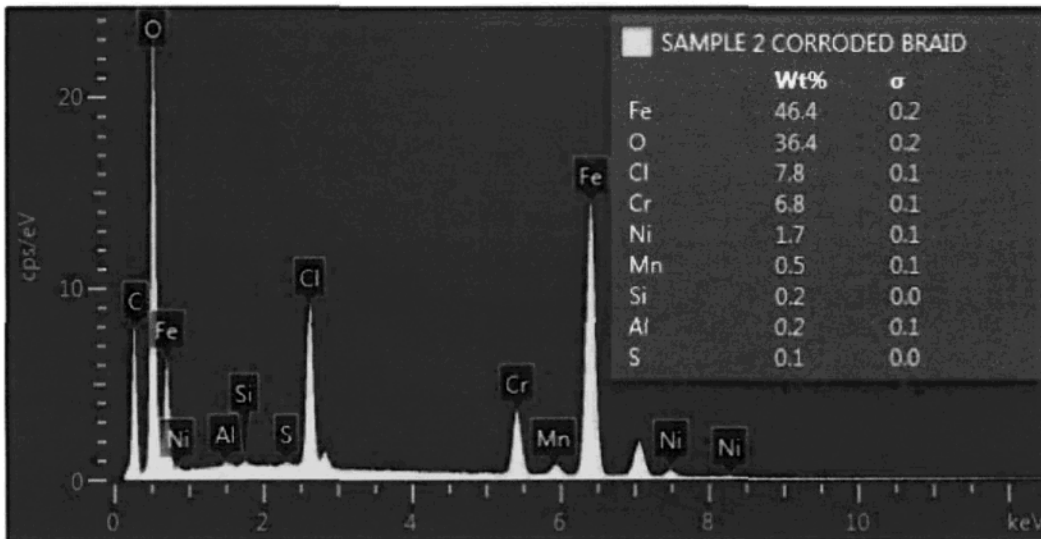
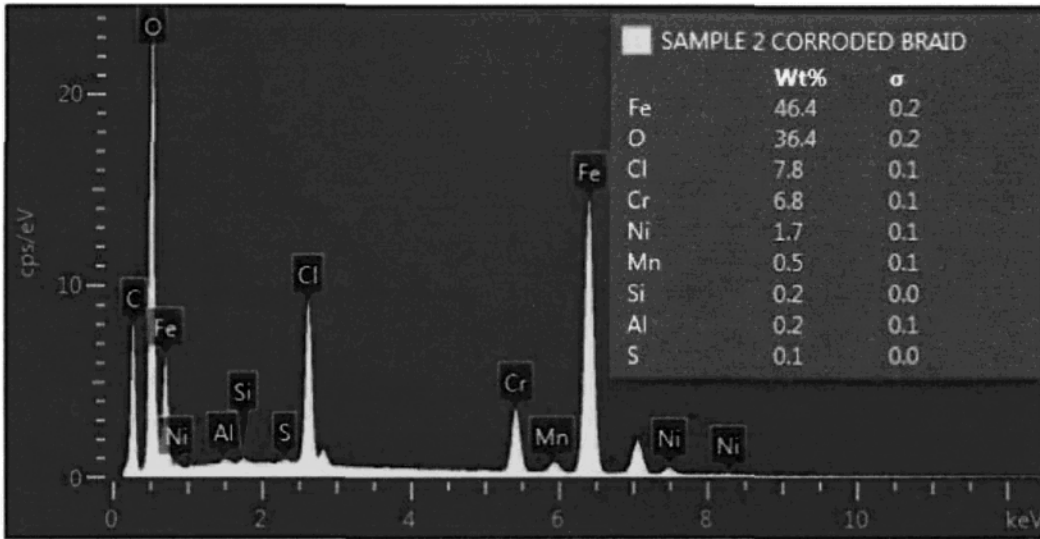
Agility Fuel Solutions LLC



Seung W. Baik  
Chief Legal Officer

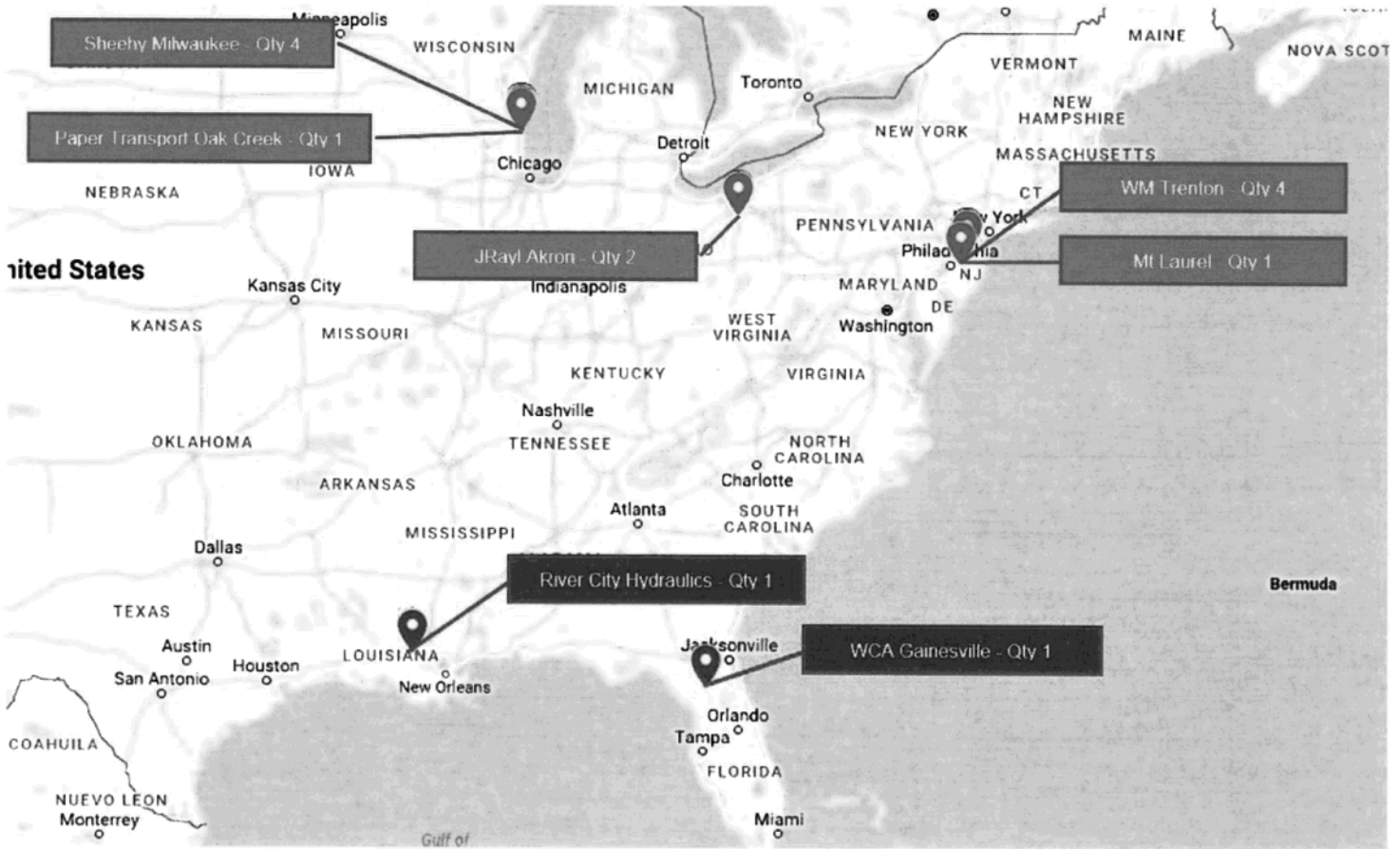
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EXHIBIT A



**CONFIDENTIAL BUSINESS INFORMATION**

**EXHIBIT B**





**Part 573 Safety Recall Report****14E-056**

**Manufacturer Name :** Agility Fuel Systems  
**Submission Date :** AUG 22,2014  
**NHTSA Recall No. :** 14E-056  
**Manufacturer Recall No. :** NR

**Manufacturer Information :**

**Manufacturer Name :** Agility Fuel Systems  
**Address :** 1815 E. Carnegie Avenue  
 Santa Ana CA 92705  
**Company phone :** 949-236-5520

**Population :**

**Number of potentially involved :** 99  
**Estimated percentage with defect :** 100

**Equipment Information :**

**Brand / Trade :** Agility Fuel Systems  
**Model :** Side-Mount CNG Fuel System  
**Part No. :** 23736011  
**Size :** NR  
**Function :** NR

**Descriptive Information :** Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.  
**Production Dates :** AUG 01, 2013 - AUG 21, 2014

**Description of Defect :**

**Description of the Defect :** The stainless steel braid reinforcement on some of the Motion Industries T1700-06 flexible fuel hoses used in these fuel system applications may be susceptible to premature corrosion near the fitting crimp inside the slave tank enclosure, possibly due to a combination of the accumulation of road salt and the humid environment within the enclosure.

**Description of the Safety Risk :** If the corrosion progresses and remains undetected, the hose may leak in sufficient volumes as to create a risk of fire if an ignition source is present. In addition, a high-pressure fuel leak may create a risk of damage to surrounding components and/or personal injury to adjacent personnel.

**Description of the Cause :** Corrosion due to road salt and humid environment within the enclosure or non-compliant material properties.

**Identification of Any Warning that can Occur :** The corrosion is progressive and would likely be visible at the crimped end of the hose assembly upon inspection prior to actual leakage. Furthermore, early stages of a leak may be detected by a combustible gas detector, leak testing solution or smell.

**Supplier Identification :****Component Manufacturer**

Name : Motion Industries, Inc.

Address : NR

1605 Alton Road Birmingham AL 35210

Country : US

**Chronology :**

In early May 2014, Agility received an initial report from a fleet customer concerning a hose assembly leak. Additional similar reports were subsequently received.

On May 16, 2014, Agility opened a Corrective Action Report (CAR) to investigate these reports.

In early June 2014, in an effort to better understand the cause of the reported leaks, Agility conducted field inspections of fleet customer vehicles. During those inspections, corrosion was identified on the hose assemblies of several of the vehicles.

During June and July, Agility worked closely with its hose assembly manufacturer/supplier, and conducted inspections of additional fleet vehicles and returned hoses, to better understand the potential failure mode(s) and potential cause(s) of the corrosion identified on the hose assemblies.

In early August, Agility arranged for third party testing of hoses and conducted additional analysis to further understand the root cause of the corrosion, scope and potential consequences. (Additional phases of this testing are still ongoing.)

On August 15, 2014, Agility Fuel Systems made a safety defect determination.

There have been no reports of accidents, injuries or fires.

**Description of Remedy :**

Description of Remedy Program : Agility will notify affected customers and vehicles owners, and will replace the defective hose assemblies free of charge.  
All affected products remain under the manufacturer's warranty. Therefore, pursuant to 49 CFR 577.11(e), Agility requests an exemption from the reimbursement plan requirements.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : On August 21, 2014, a new hose design from a different supplier was introduced into production.

**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : SEP 22, 2014 - OCT 20, 2014

Planned Owner Notification Date : SEP 22, 2014 - OCT 20, 2014

**Purchaser Information :**

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : TBD

Address : NR

NR

Country : NR

Company Phone : NR

\* NR - Not Reported

**Recall Quarterly Report****14E-056**

**Manufacturer Name :** Agility Fuel Systems  
**NHTSA Recall No. / MFR Recall No. :** 14E-056 /  
**Recall Subject :** Corrosion of Fuel Hoses may Result in CNG Leak  
**Owner Notification Beginning Date :** OCT 20, 2014  
**Owner Notification End Date:** MAY 12, 2016



Report #	Submission Date	Report Quarter	Recall Population	Total Remedied	Total Unreachable	Total Removed
6	AUG 02, 2016	2016-1	738	282	0	0
5	JAN 28, 2016	2015-4	738	233	0	0
4	OCT 28, 2015	2015-3	738	126	0	0
3	JUL 30, 2015	2015-2	738	126	0	0
2	APR 30, 2015	2015-1	738	119	0	0
1	JAN 28, 2015	2014-4	756	58	0	0

This Document Last Updated : AUG 02, 2016

**Definitions :**

**Report Quarter :** The quarter the manufacturer is reporting recall completion figures (e.g. 2012-3 means the 3<sup>rd</sup> quarter of 2012).

**Recall Population :** The total number of products recalled by the manufacturer.

**Total Remedied :** The total number of products either remedied, inspected without needing remedy, or returned to inventory.

**Total Unreachable :** Products deemed unreachable as owner notifications were unable to be delivered.

**Total Removed :** Products that have been scrapped, stolen, or exported.

**Part 573 Safety Recall Report****14E-056**

**Manufacturer Name :** Agility Fuel Systems  
**Submission Date :** NOV 18,2014  
**NHTSA Recall No. :** 14E-056  
**Manufacturer Recall No. :** NR

**Manufacturer Information :**

**Manufacturer Name :** Agility Fuel Systems  
**Address :** 1815 E. Carnegie Avenue  
 Santa Ana CA 92705  
**Company phone :** 949-236-5520

**Population :**

**Number of potentially involved :** 759  
**Estimated percentage with defect :** 60

**Equipment Information :**

**Brand / Trade :** Agility Fuel Systems  
**Model :** Side-Mount CNG Fuel System  
**Part No. :** 23736011  
**Size :** NR  
**Function :** NR

**Descriptive Information :** Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

**Production Dates :** AUG 01, 2013 - AUG 21, 2014

**Brand / Trade :** Agility Fuel Systems  
**Model :** Side-Mount CNG Fuel System  
**Part No. :** 23704001  
**Size :** NR  
**Function :** NR

**Descriptive Information :** Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

**Production Dates :** AUG 01, 2013 - AUG 21, 2014

**Brand / Trade :** Agility Fuel Systems  
**Model :** Side-Mount CNG Fuel System  
**Part No. :** 23705001  
**Size :** NR  
**Function :** NR

**Descriptive Information :** Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23708021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23708031

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23708041

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23708061

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23709001

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23709091

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23712021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23712031

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23712061

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems

that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23712081

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23713021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23713031

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23713081

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems



Model : Side-Mount CNG Fuel System

Part No. : 23714021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23736021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23740001

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23740051

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23741021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23744001

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23744011

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23744021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23761001

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems  
 Model : Side-Mount CNG Fuel System  
 Part No. : 24708001  
 Size : NR  
 Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems  
 Model : Side-Mount CNG Fuel System  
 Part No. : 24708021  
 Size : NR  
 Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems  
 Model : Side-Mount CNG Fuel System  
 Part No. : 24712001  
 Size : NR  
 Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

#### Description of Defect :

Description of the Defect : The stainless steel braid reinforcement on some of the Motion Industries T1700-06 flexible fuel hoses used in these fuel system applications may be susceptible to premature corrosion near the fitting crimp inside the slave tank enclosure, possibly due to a combination of the accumulation of road salt and the humid environment within the enclosure.

This recall involves vehicles that are registered in the twenty (20) salt belt States (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, and WV) plus D.C.

Description of the Safety Risk : If the corrosion progresses and remains undetected, the hose may leak in sufficient volumes as to create a risk of fire if an ignition source is present. In addition, a high-pressure fuel leak may create a risk of damage to surrounding components and/or personal injury to adjacent personnel.

Description of the Cause : Corrosion due to road salt and humid environment within the enclosure or non-compliant material properties.

Identification of Any Warning that can Occur : The corrosion is progressive and would likely be visible at the crimped end of the hose assembly upon inspection prior to actual leakage. Furthermore, early stages of a leak may be detected by a combustible gas detector, leak testing solution or smell.

#### Supplier Identification :

##### Component Manufacturer

Name : Motion Industries, Inc.

Address : NR

1605 Alton Road Birmingham ALABAMA 35210

Country : United States

#### Chronology :

In early May 2014, Agility received an initial report from a fleet customer concerning a hose assembly leak. Additional similar reports were subsequently received.

On May 16, 2014, Agility opened a Corrective Action Report (CAR) to investigate these reports.

In early June 2014, in an effort to better understand the cause of the reported leaks, Agility conducted field inspections of fleet customer vehicles. During those inspections, corrosion was identified on the hose assemblies of several of the vehicles.

During June and July, Agility worked closely with its hose assembly manufacturer/supplier, and conducted inspections of additional fleet vehicles and returned hoses, to better understand the potential failure mode(s) and potential cause(s) of the corrosion identified on the hose assemblies.

In early August, Agility arranged for third party testing of hoses and conducted additional analysis to further understand the root cause of the corrosion, scope and potential consequences. (Additional phases of this testing are still ongoing.)

On August 15, 2014, Agility Fuel Systems made a safety defect determination.

There have been no reports of accidents, injuries or fires.

#### Description of Remedy :

Description of Remedy Program : Agility will notify affected customers and owners of vehicles that are registered in the twenty (20) salt belt States (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, and WV) plus D.C., and will replace the defective hose assemblies free of charge. All affected products remain under the manufacturer's warranty. Therefore, pursuant to 49 CFR

577.11(e), Agility requests an exemption from the reimbursement plan requirements.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : On August 21, 2014, a new hose design from a different supplier was introduced into production.

**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : OCT 20, 2014 - OCT 21, 2014

Planned Owner Notification Date : OCT 20, 2014 - OCT 21, 2014

**Purchaser Information :**

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Young Truck Sales

Address : 4970 Southway St SW  
Canton OH 44706

Country : US

Company Phone : NR

Name : Autocar

Address : 551 S. Washington St.  
Hagerstown IN 47346

Country : US

Company Phone : NR

Name : MHC Kenworth

Address : 144 N. Park Drive  
Chilicothe OH 45601

Country : US

Company Phone : NR

Name : Cummins Npower

Address : 939 Lawrence Dr  
De Pere WI 54115

Country : US

Company Phone : NR

Name : CVS - Custom Vehicle Solutions

Address : 5050 Corbin Rd  
Denton TX 76207

Country : US

Company Phone : NR

Name : Dave Syverson Truck Center

Address : 7 County Road 16 SE  
Rochester MN 55904

Country : US

Company Phone : NR

Name : Daimler

Address : 11550 Statesville Blvd  
Cleveland NC 27013

Country : US

Company Phone : NR

Name : Gabrielli Truck Sales

Address : 401 Old Gate Lane  
Milford CT 06460

Country : US

Company Phone : NR

Name : TransEdge Truck Center

Address : 1501 Beaver Avenue  
Pittsburgh PA 15233

Country : US

Company Phone : NR

Name : Heil of Texas

Address : 1440 South Loop 12  
Irving TX 75060

Country : US

Company Phone : NR

Name : Houston Freightliner

Address : 9550 North Loop East  
Houston TX 77029

Country : US

Company Phone : NR

Name : Hunter Keystone Peterbilt

Address : 1463 Manheim Pike  
Lancaster PA 17601

Country : US

Company Phone : NR

Name : Kenworth of Central Florida

Address : 6905 E. Martin Luther King Blvd  
Tampa FL 33610

Country : US

Company Phone : NR

Name : Kenworth of South Florida

Address : 2909 S. Andrews Avenue  
Fort Lauderdale FL 33316

Country : US

Company Phone : NR

Name : Mack Trucks

Address : 7000 Alburtis Rd  
Macungie PA 18062

Country : US

Company Phone : NR

Name : ProBilt Services Inc.

Address : 144 N. Park Drive  
Chillicothe OH 45601

Country : US

Company Phone : NR

Name : MHC Kenworth

Address : 7200 W. I-40 Service Road  
Oklahoma OK 73128

Country : US

Company Phone : NR

Name : Mid Atlantic Waste

Address : 3600 Koppens Way  
Chesapeake VA 23323

Country : US

Company Phone : NR

Name : Milea Truck Sales & Leasing Corp  
Address : 885 E 149TH ST  
Bronx NY 10455  
Country : US  
Company Phone : NR

Name : Nuss Truck  
Address : NR  
NR  
Country : US  
Company Phone : NR

Name : Palm Peterbilt Truck Centers  
Address : 2441 South State Road 7  
Fort Lauderdale FL 333176999  
Country : US  
Company Phone : NR

Name : Tampa Freightliner  
Address : 7528 U.S. Hwy 301 N.  
Tampa FL 33637  
Country : US  
Company Phone : NR

Name : Truck Country  
Address : 10785 Hwy 61 South  
Dubuque IA 52003  
Country : US  
Company Phone : NR

Name : Westfall GMC Truck  
Address : 3915 NE Randolph Rd  
Kansas City MO 64161  
Country : US  
Company Phone : NR

Name : Wilkes-Barre Truck Center  
Address : 525 East Main Street  
Wilkes-Barre PA 18702  
Country : US  
Company Phone : NR



Name : Kwik Trip  
Address : 2122 Oak St.  
La Crosse WI 54603

Country : US  
Company Phone : NR

Name : All State Peterbilt  
Address : 327 Stonecreek Road  
New Philadelphia OH 44663

Country : US  
Company Phone : NR

Name : Gemini Motor Transport  
Address : 10601 N. Pennsylvania Ave.  
Oklahoma City OK 73120

Country : US  
Company Phone : NR

Name : Inland Kenworth  
Address : 26770 Gloucester Way  
Langley, BC 00 V4W 3V6

Country : CA  
Company Phone : NR

Name : JX Enterprise/Peterbilt  
Address : 820 Silvermail Road  
Pewaukee WI 53072

Country : US  
Company Phone : NR

Name : Kalmbach Feeds  
Address : 7148 State Hwy 199  
Upper Sandusky OH 43351

Country : US  
Company Phone : NR

Name : LaBeau Peterbilt  
Address : 295 N. Harrison Ave.  
Kankakee IL 60901

Country : US  
Company Phone : NR

Name : Metro Freightliner  
Address : 475 Seaman St.  
Stoney Creek, ON 00 L8E 2R2  
Country : CA  
Company Phone : NR

Name : Paper Transport  
Address : 2701 Executive Drive  
Green Bay WI 54034  
Country : US  
Company Phone : NR

Name : Peterbilt of Atlanta  
Address : 2395 Old Highway 41 NW  
Kennesaw GA 30144  
Country : US  
Company Phone : NR

Name : Peterbilt of Baltimore  
Address : 5100 Hollabird Avenue  
Baltimore MD 21224  
Country : US  
Company Phone : NR

Name : Piedmont Peterbilt  
Address : P.O. Box 18603  
Greensboro NC 27419  
Country : US  
Company Phone : NR

Name : Rush Enterprises  
Address : 555 IH-35 South Suite 500  
New Braunfels TX 78130  
Country : US  
Company Phone : NR

Name : Transdiff Peterbilt of Quebec  
Address : 2000 98e Rue  
Saint-Georges, QC 00 G5Y 8J6  
Country : CA  
Company Phone : NR

Name : Universal Handling Equipment Limited

Address : 4024-39139 HWY 2A

Red Deer County, AB 00 T4S 2A8

Country : CA

Company Phone : NR

Name : Waste Industries

Address : 3301 Benson Dr. Suite 601

Raleigh NC 27609

Country : US

Company Phone : NR

Name : Wolverine Truck Group

Address : 107 S. Groesbeck Hwy

Mt. Clemens MI 48043

Country : US

Company Phone : NR

\* NR - Not Reported

**Part 573 Safety Recall Report****14E-056**

**Manufacturer Name :** Agility Fuel Systems  
**Submission Date :** FEB 12,2015  
**NHTSA Recall No. :** 14E-056  
**Manufacturer Recall No. :** NR

**Manufacturer Information :**

**Manufacturer Name :** Agility Fuel Systems  
**Address :** 1815 E. Carnegie Avenue  
 Santa Ana CA 92705  
**Company phone :** 949-236-5520

**Population :**

**Number of potentially involved :** 738  
**Estimated percentage with defect :** 60

**Equipment Information :**

**Brand / Trade :** Agility Fuel Systems  
**Model :** Side-Mount CNG Fuel System  
**Part No. :** 23736011  
**Size :** NR  
**Function :** NR

**Descriptive Information :** Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

**Production Dates :** AUG 01, 2013 - AUG 21, 2014

**Brand / Trade :** Agility Fuel Systems  
**Model :** Side-Mount CNG Fuel System  
**Part No. :** 23705001  
**Size :** NR  
**Function :** NR

**Descriptive Information :** Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

**Production Dates :** AUG 01, 2013 - AUG 21, 2014

**Brand / Trade :** Agility Fuel Systems  
**Model :** Side-Mount CNG Fuel System  
**Part No. :** 23708021  
**Size :** NR  
**Function :** NR

**Descriptive Information :** Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23708031

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23708041

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23708061

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23709001

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23709091

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23712021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23712031

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23712061

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23712081

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems

that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23713021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23713031

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23713081

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23714021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23736021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23740001

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23740051

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23741021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23744001

Size : NR

Function : NR



Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23744011

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23744021

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23761001

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems

Model : Side-Mount CNG Fuel System

Part No. : 23704001

Size : NR

Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems  
 Model : Side-Mount CNG Fuel System  
 Part No. : 23714031  
 Size : NR  
 Function : NR

Descriptive Information : Agility rail-mount non-Fuel Management Module (Non-FMM) CNG fuel systems that utilize Motion Industries T1700-06 hose assembly configuration (stainless steel, sleeved, flexible high-pressure) in various lengths.

Production Dates : AUG 01, 2013 - AUG 21, 2014

Brand / Trade : Agility Fuel Systems  
 Model : Side-Mount CNG Fuel System  
 Part No. : 23710031  
 Size : NR  
 Function : NR

Descriptive Information : Following discussions between DTNA and Agility, it has been determined that several of the systems identified as being part of the above recall in fact did not contain motion hoses. The following System Part Number and VINs will be removed from the recall:

Production Dates : AUG 01, 2013 - AUG 21, 2014

#### Description of Defect :

Description of the Defect : The stainless steel braid reinforcement on some of the Motion Industries T1700-06 flexible fuel hoses used in these fuel system applications may be susceptible to premature corrosion near the fitting crimp inside the slave tank enclosure, possibly due to a combination of the accumulation of road salt and the humid environment within the enclosure.

This recall involves vehicles that are registered in the twenty (20) salt belt States (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, and WV) plus D.C.

Description of the Safety Risk : If the corrosion progresses and remains undetected, the hose may leak in sufficient volumes as to create a risk of fire if an ignition source is present. In addition, a high-pressure fuel leak may create a risk of damage to surrounding components and/or personal injury to adjacent personnel.

Description of the Cause : Corrosion due to road salt and humid environment within the enclosure or non-compliant material properties.

Identification of Any Warning that can Occur : The corrosion is progressive and would likely be visible at the crimped end of the hose assembly upon inspection prior to actual leakage. Furthermore, early stages of a leak may be detected by a combustible gas detector, leak testing solution or smell.

**Supplier Identification :****Component Manufacturer**

Name : Motion Industries, Inc.

Address : NR

1605 Alton Road Birmingham ALABAMA 35210

Country : United States

**Chronology :**

In early May 2014, Agility received an initial report from a fleet customer concerning a hose assembly leak. Additional similar reports were subsequently received.

On May 16, 2014, Agility opened a Corrective Action Report (CAR) to investigate these reports.

In early June 2014, in an effort to better understand the cause of the reported leaks, Agility conducted field inspections of fleet customer vehicles. During those inspections, corrosion was identified on the hose assemblies of several of the vehicles.

During June and July, Agility worked closely with its hose assembly manufacturer/supplier, and conducted inspections of additional fleet vehicles and returned hoses, to better understand the potential failure mode(s) and potential cause(s) of the corrosion identified on the hose assemblies.

In early August, Agility arranged for third party testing of hoses and conducted additional analysis to further understand the root cause of the corrosion, scope and potential consequences. (Additional phases of this testing are still ongoing.)

On August 15, 2014, Agility Fuel Systems made a safety defect determination.

There have been no reports of accidents, injuries or fires.

**Description of Remedy :**

Description of Remedy Program : Agility will notify affected customers and owners of vehicles that are registered in the twenty (20) salt belt States (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, and WV) plus D.C., and will replace the defective hose assemblies free of charge. All affected products remain under the manufacturer's warranty. Therefore, pursuant to 49 CFR 577.11(e), Agility requests an exemption from the reimbursement plan requirements.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : On August 21, 2014, a new hose design from a different supplier was introduced into production.

**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : FEB 12, 2015 - FEB 13, 2015

Planned Owner Notification Date : FEB 12, 2015 - FEB 13, 2015

**Purchaser Information :**

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Autocar

Address : 551 S. Washington St.  
Hagerstown IN 47346

Country : US

Company Phone : NR

Name : Young Truck Sales

Address : 4970 Southway St SW  
Canton OH 44706

Country : US

Company Phone : NR

Name : Cummins Npower

Address : 939 Lawrence Dr  
De Pere WI 54115

Country : US

Company Phone : NR

Name : CVS - Custom Vehicle Solutions

Address : 5050 Corbin Rd  
Denton TX 76207

Country : US

Company Phone : NR

Name : Dave Syverson Truck Center

Address : 7 County Road 16 SE  
Rochester MN 55904

Country : US

Company Phone : NR

Name : Daimler  
Address : 11550 Statesville Blvd  
Cleveland NC 27013  
Country : US  
Company Phone : NR

Name : Gabrielli Truck Sales  
Address : 401 Old Gate Lane  
Milford CT 06460  
Country : US  
Company Phone : NR

Name : TransEdge Truck Center  
Address : 1501 Beaver Avenue  
Pittsburgh PA 15233  
Country : US  
Company Phone : NR

Name : Heil of Texas  
Address : 1440 South Loop 12  
Irving TX 75060  
Country : US  
Company Phone : NR

Name : Houston Freightliner  
Address : 9550 North Loop East  
Houston TX 77029  
Country : US  
Company Phone : NR

Name : Hunter Keystone Peterbilt  
Address : 1463 Manheim Pike  
Lancaster PA 17601  
Country : US  
Company Phone : NR

Name : Kenworth of Central Florida  
Address : 6905 E. Martin Luther King Blvd  
Tampa FL 33610  
Country : US  
Company Phone : NR

Name : Kenworth of South Florida  
Address : 2909 S. Andrews Avenue  
Fort Lauderdale FL 33316  
Country : US  
Company Phone : NR

Name : Mack Trucks  
Address : 7000 Alburtis Rd  
Macungie PA 18062  
Country : US  
Company Phone : NR

Name : MHC Kenworth  
Address : 144 N. Park Drive  
Chillicothe OH 45601  
Country : US  
Company Phone : NR

Name : Kwik Trip  
Address : 2122 Oak St.  
La Crosse WI 54603  
Country : US  
Company Phone : NR

Name : Wilkes-Barre Truck Center  
Address : 525 East Main Street  
Wilkes-Barre PA 18702  
Country : US  
Company Phone : NR

Name : Westfall GMC Truck  
Address : 3915 NE Randolph Rd  
Kansas City MO 64161  
Country : US  
Company Phone : NR

Name : Truck Country  
Address : 10785 Hwy 61 South  
Dubuque IA 52003  
Country : US  
Company Phone : NR

Name : Tampa Freightliner  
Address : 7528 U.S. Hwy 301 N.  
Tampa FL 33637

Country : US  
Company Phone : NR

Name : Palm Peterbilt Truck Centers  
Address : 2441 South State Road 7  
Fort Lauderdale FL 333176999

Country : US  
Company Phone : NR

Name : Nuss Truck  
Address : NR  
NR

Country : US  
Company Phone : NR

Name : Milea Truck Sales & Leasing Corp  
Address : 885 E 149TH ST  
Bronx NY 10455

Country : US  
Company Phone : NR

Name : Mid Atlantic Waste  
Address : 3600 Koppens Way  
Chesapeake VA 23323

Country : US  
Company Phone : NR

Name : MHC Kenworth  
Address : 7200 W. I-40 Service Road  
Oklahoma OK 73128

Country : US  
Company Phone : NR

Name : ProBilt Services Inc.  
Address : 144 N. Park Drive  
Chillicothe OH 45601

Country : US  
Company Phone : NR

Name : All State Peterbilt  
Address : 327 Stonecreek Road  
New Philadelphia OH 44663  
Country : US  
Company Phone : NR

Name : Gemini Motor Transport  
Address : 10601 N. Pennsylvania Ave.  
Oklahoma City OK 73120  
Country : US  
Company Phone : NR

Name : Inland Kenworth  
Address : 26770 Gloucester Way  
Langley, BC 00 V4W 3V6  
Country : CA  
Company Phone : NR

Name : JX Enterprise/Peterbilt  
Address : 820 Silvermail Road  
Pewaukee WI 53072  
Country : US  
Company Phone : NR

Name : Kalmbach Feeds  
Address : 7148 State Hwy 199  
Upper Sandusky OH 43351  
Country : US  
Company Phone : NR

Name : LaBeau Peterbilt  
Address : 295 N. Harrison Ave.  
Kankakee IL 60901  
Country : US  
Company Phone : NR

Name : Metro Freightliner  
Address : 475 Seaman St.  
Stoney Creek, ON 00 L8E 2R2  
Country : CA  
Company Phone : NR



Name : Paper Transport  
Address : 2701 Executive Drive  
Green Bay WI 54034  
Country : US  
Company Phone : NR

Name : Peterbilt of Atlanta  
Address : 2395 Old Highway 41 NW  
Kennesaw GA 30144  
Country : US  
Company Phone : NR

Name : Peterbilt of Baltimore  
Address : 5100 Hollabird Avenue  
Baltimore MD 21224  
Country : US  
Company Phone : NR

Name : Piedmont Peterbilt  
Address : P.O. Box 18603  
Greensboro NC 27419  
Country : US  
Company Phone : NR

Name : Rush Enterprises  
Address : 555 IH-35 South Suite 500  
New Braunfels TX 78130  
Country : US  
Company Phone : NR

Name : Transdiff Peterbilt of Quebec  
Address : 2000 98e Rue  
Saint-Georges, QC 00 G5Y 8J6  
Country : CA  
Company Phone : NR

Name : Universal Handling Equipment Limited  
Address : 4024-39139 HWY 2A  
Red Deer County, AB 00 T4S 2A8  
Country : CA  
Company Phone : NR

Name : Waste Industries  
Address : 3301 Benson Dr. Suite 601  
Raleigh NC 27609  
Country : US  
Company Phone : NR

Name : Wolverine Truck Group  
Address : 107 S. Groesbeck Hwy  
Mt. Clemens MI 48043  
Country : US  
Company Phone : NR

\* NR - Not Reported



**Field Service Bulletin**  
**CNG Motion Industries Flex Hose Recall**

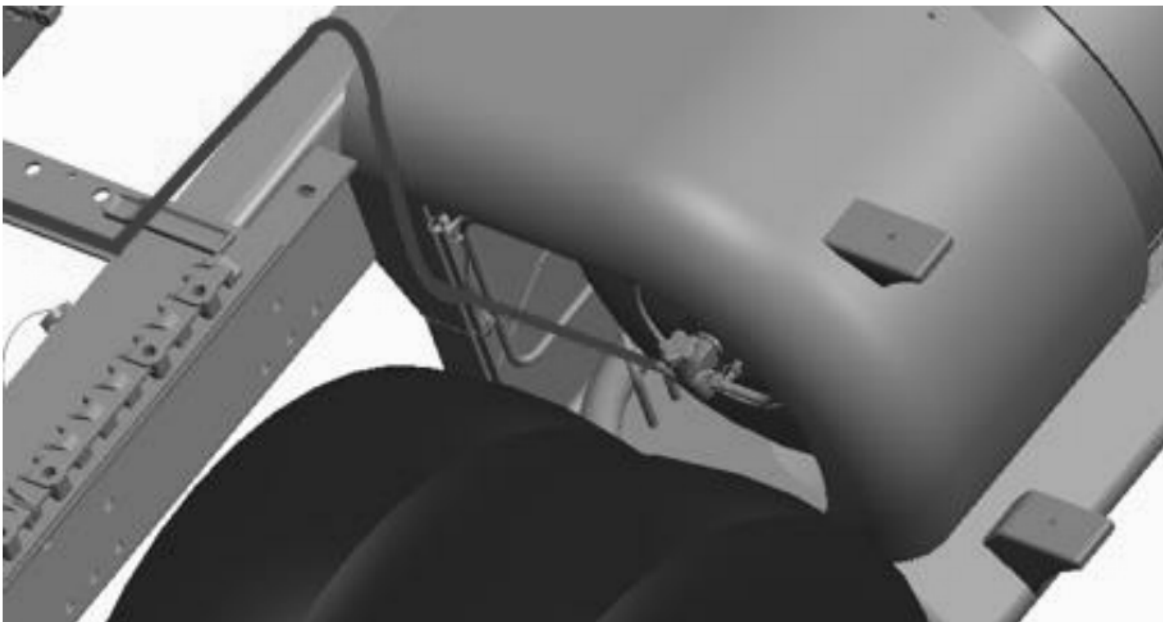
**ENP-313, Rev. A**  
**July 30, 2015**

## 1. Introduction

A recall notice has been issued by Agility Fuel Systems for some CNG side-mounted fuel systems that use Motion Industries T1700-06 flexible fuel hoses and are registered in the Salt Belt States. (These fuel lines can exist in multiple positions and configurations in the CNG fuel system connecting tank systems to one another and to the fuel management module, or FMM).

This recall targets hoses Motion Industries stainless steel braided hoses that terminate inside of a side mounted tank enclosure. These parts been observed to experience accelerated corrosion on an exposed area of braid near the collet on the end of the hose.

The National Highway Traffic Safety Administration (NHTSA) ID number is 14E056.



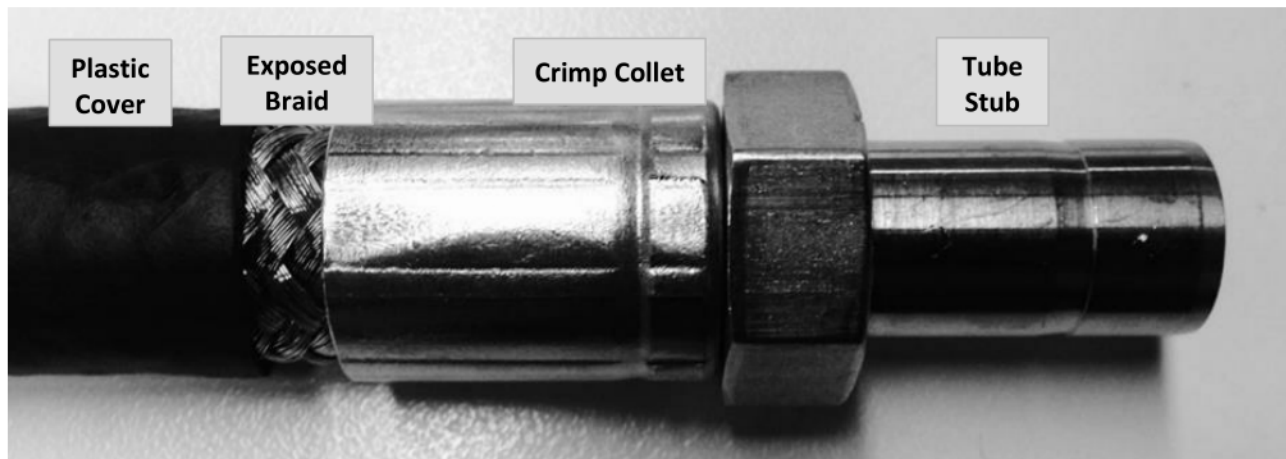
*Figure 1: Side mount tank enclosure with crossover fuel hose highlighted in red.*

## 2. Affected Units

Recall applicable vehicles must meet the following three criteria.

- The customer vehicle must have a Motion Industries Stainless Steel braided hose.
- The fuel line must be connected directly (terminate) at the valve on slave rail mount system
- This action involves vehicles that are registered in the twenty (20) Salt Belt States (CT, DE, IA, IL, IN, MA, MD, ME, MI, MN, MO, NH, NJ, NY, OH, PA, RI, VT, WI, and WV) plus D.C.

Contact Agility Fuel Systems Product Support Group at 949-267-7745 or [support@agilityfs.com](mailto:support@agilityfs.com) if your vehicle meets these criteria.



*Figure 2: Agility Fuel Systems P/N10300783 Motion industries CNG flexible fuel line. Swaged fittings are not shown in this photo.*

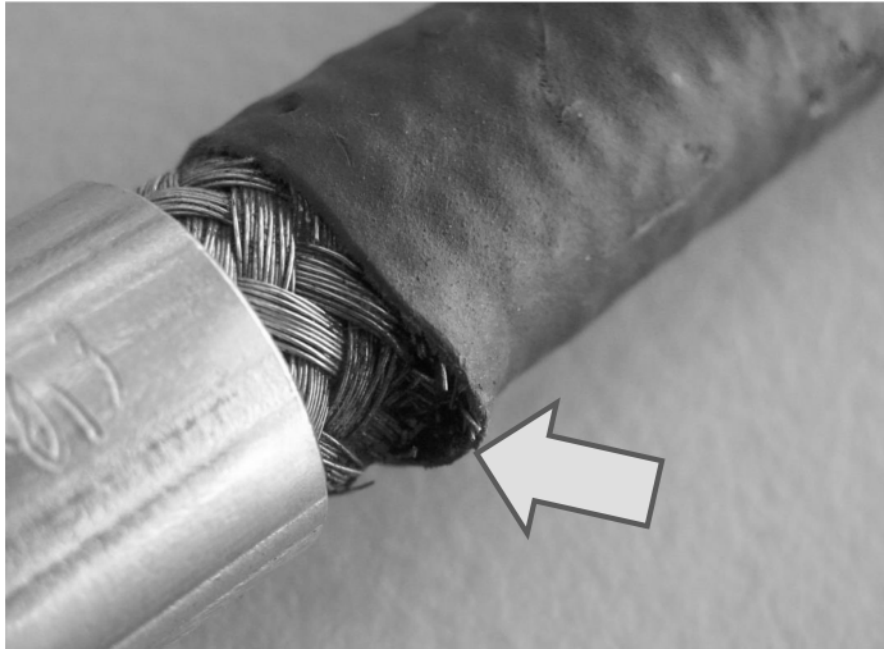
### 3. Hose Replacement

If your vehicle meets the recall criteria, contact Agility Product Support for replacement. Determine the specs on the hose (1/2-in. or 3/8-in. diameter) and take a photo of the connection at the valve. Measure the length of the hose and take note of fitting sizes to insure the proper equivalent hose is sent. Use the form in Section 5.

All replaced parts must be returned to the Agility Fuel Systems warranty department.



*Figure 4 Frost forming near a CNG gas leak. The leak is located at the junction of the braid and fitting ferrule.*



*Figure 4 Corrosion at the braid and fitting. The failure location is shown.*

#### 4. Supplemental Information

See ENP-196, “CNG Fuel System Inspection Interval Recommendations for High Mileage, Heavy Duty Vehicles” and ENP-112414-251-K, “CNG Flex Hose Visual Inspection and Leak Detection,” for more information.

If you have any questions, contact Agility Fuel Systems Product Support at 949-267-7745 or support@agilityfs.com.

Agility Fuel Systems  
Product Support Group  
1815 Carnegie Ave  
Santa Ana, CA 92705 USA

**Standard repair time (SRT) is 1 hour.**

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Revision	Description	Author	Approved By	Date
--	Initial Release	W. Yoshida	A. Bhakta	7/20/15
A	Added SRT	W. Yoshida	W. Yoshida	7/30/15

## 5. Motion Hose Replacement Form for Side Mount CNG Systems

Use this form to verify whether or not your hose is affected by the recall.

### 5.1 Typical Motion Hose and Identification Tag



### 5.2 Characteristics

- Flat black outer jacket
- Vertical crimp lines on collar
- Cover roughly 1/4-in. away from collar, leaving a section of metal braid exposed
- Metal tag with date of manufacture information

### 5.3 Information Needed for Return-Replacement-CRN

1) Contact Name/Phone/E-mail: \_\_\_\_\_

2) Last 6 of VIN:

3) Unit No. \_\_\_\_\_

4) Year: \_\_\_\_\_

5) Make: \_\_\_\_\_

6) Model: \_\_\_\_\_

7) Mileage: \_\_\_\_\_

8) Operating hours: \_\_\_\_\_

9) Is it a non-FMM side mount system and does the hose connect to the inside of the side mount: YES \_\_\_\_\_ NO \_\_\_\_\_

10) Is the vehicle located in an identified Salt Belt State? YES \_\_\_\_\_ NO \_\_\_\_\_

11) Vehicle location (address) in case we need to ship parts or send technician:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

12) Does the hose fit the Motion description above, as follows (check mark if yes):

- a. Flat black plastic cover \_\_\_\_\_
- b. Vertical crimp lines on collar \_\_\_\_\_
- c. Exposed metal braid at collar \_\_\_\_\_
- d. Metal identification tag \_\_\_\_\_

13) End user/fleet name:



**Field Service Bulletin**  
**CNG Flex Hose Visual Inspection and Leak Detection**

ENP-112414-251-K, Rev. A  
December 4, 2014



## 1 Introduction

Flexible fuel hoses, as applied in Agility's CNG and LNG fuel systems, provide reliable and safe operation over the lifetime of the fuel system if they are properly cared for. However, their integrity can be compromised if exposed to some aggressively corrosive chemicals, such as chlorides used for road de-icing, or if they are altered to become improperly routed or secured after going into service.

Agility has investigated several recent hose failures and has issued a recall of high pressure, stainless steel braided hoses manufactured by Motion Industries in certain Agility CNG fuel system applications. See NHTSA recall website at: <http://www-odi.nhtsa.dot.gov/owners/SearchSafetyIssues> and search for information on recall ID number 14E056 for additional information.

In addition to this recall, as a further precautionary measure, Agility is releasing this inspection guideline to all Agility customers and requests that all customers inspect their hoses during their normal pre-operation walk-around check as well as part of their routine maintenance checks (every three months or 36,000 miles, whichever comes first) and alert Agility if any of the below conditions are observed.

If any clarifications are needed, please contact Agility Fuel Systems Product Support Department at 949-267-7745 and reference this bulletin for further assistance.

Customers should inspect their hoses for:

- Evidence of corrosion
- Broken wire braid strands
- Improper routing or attachment (clipping)
- Leaks

Guidelines for each inspection are provided in this document.



### NOTE

**Agility Fuel Systems recently revised CNG fuel system inspection intervals, which includes a daily walk-around inspection of fuel system components. See Field Service Bulletin ENP-196, "CNG Fuel System Inspection Interval Recommendations for High Mileage, Heavy Duty Vehicles" attached to this bulletin.**

## 2 Affected Units

All high pressure, flexible stainless steel braided CNG fuel hoses. Low pressure lines – such as vent pipe-away lines and PRD vent lines are not affected by this bulletin.

## 3 Tools and Materials

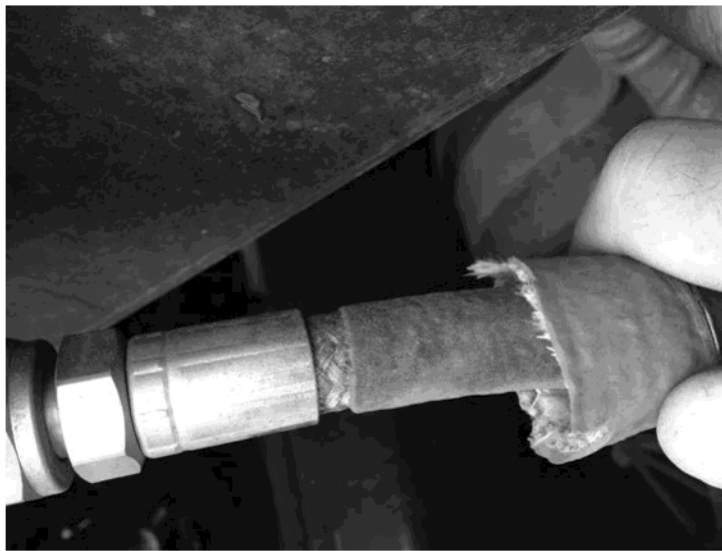
- Electronic methane detector
- Natural gas leak detector fluid
- Flashlight
- Inspection mirror

- Camera to document inspections
- Inspection log book

#### 4 Visual Inspection – Evidence of Corrosion

Look for signs of corrosion near the ends of the hose, where the rubber protective jacket is cut short of the crimped collet. Corrosion is indicated by *reddish, brownish* or *yellowish* discoloration of the stainless steel braid material, see Figures 2 and 3.

- In cases where the hose end is covered in dirt or road grime, the hose end should be cleaned with water and mild soap (such as dish soap) and a soft bristled brush to expose the stainless braid.
- If the hose end is covered by fire sleeve, it may be temporarily moved to expose the hose end for inspection. The fire sleeve must also be inspected for damage.



*Figure 1 If the hose is covered with an additional sleeve, move it to enable inspection of the braid and ferrule. Remember to inspect the sleeve for damage, too.*



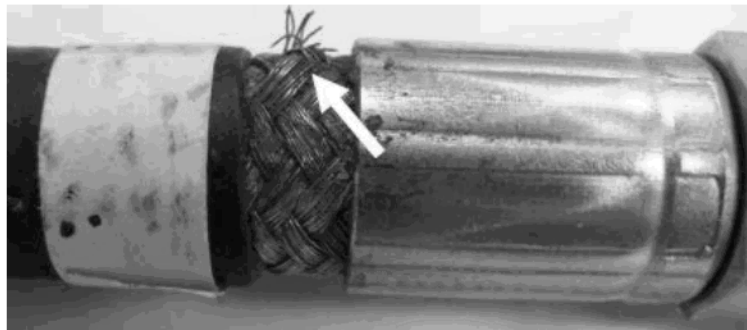
*Figure 2 Corrosion on CNG hose braid and fitting.*



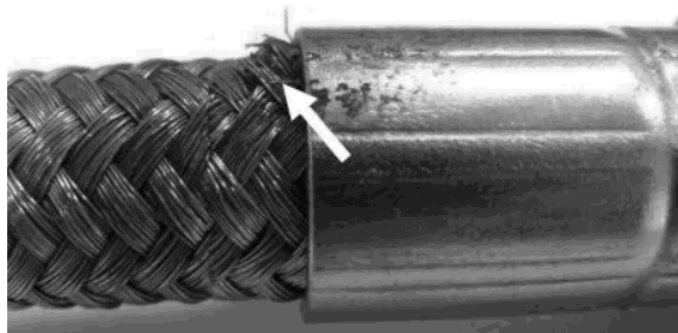
*Figure 3 Corrosion at the braid and fitting. A pen shows where a leak is located.*

## 5 Visual Inspection – Broken Wire Braid Strands

If the hose has been compromised, there may be evidence of broken wire braid strands in addition to evidence of corrosion.



*Figure 4 Broken wire strands in the braid are also evidence of compromised hoses.*



*Figure 5 This hose failed between the crimped collet and the outer braid.*

## 6 Inspection: Improper Routing or Support

As part of the hose visual inspection process, look for excessive wear, stress or pulling on the hose (typically caused by a broken clip or support), and kinks or collapsed hoses. Hose routing may be inadvertently altered or securement may degrade over time while the

## Flexible Hose Inspection and Leak Detection

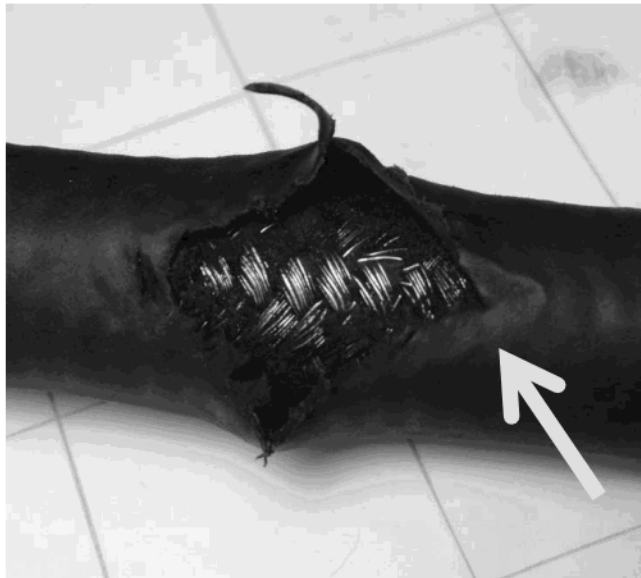
vehicle is in service, so periodic inspection should be used to identify potential issues before hoses can become damaged.

For example, repair procedures may dictate that hoses be temporarily moved for access and those hoses may not be re-secured properly after the repair, or the installation or removal of vehicle equipment may have disturbed proper hose routing.

Refer to ENP-118, "Routing and Clipping Manual" for routing and supporting guidelines.

### **Ensure that all hoses continuously meet these installation guidelines over the life of the fuel system:**

1. Secure hoses away from points of chafing or wear
2. Do not exceed the minimum bend radius of the hose. If hoses of various diameters are bundled together, the largest diameter hose will dictate the minimum bend radius. (For 3/8-inch hose, the minimum bend is 2-1/2 inches.)
3. If the hose pivots, rotates, flexes or reciprocates during operation, be sure to allow enough length for free movement at all points in the cycle. Even in a stationary application, be sure to allow adequate length for clearance changes during pressure cycles.
4. Hoses installed within approximately 8 inches of a heat source, such as the engine exhaust, should be protected by heat shielding or fire sleeve.



*Figure 6 The outer covering of this hose has been worn away due to abrasion. It should be replaced and secured properly away from any other surfaces or components.*

## 7 Leak Detection

Use an electronic methane detector and your sense of smell to locate the general area for leaks, then switch to leak detection fluid to pin-point the leaking component or line.



*Figure 9 When looking for hose leaks, check the hose-to-fitting junctions as well as fittings as indicated by the arrows. Move additional protection (fire sleeve) if necessary for access.*

## 8 What to Do If a Hose is Leaking



### WARNING

**Maintenance and repair must be performed by trained and qualified personnel. Attempting to repair the CNG fuel system without proper training is dangerous.**

If a leak is found, take the vehicle out of service, depressurize the system, and contact Agility Fuel Systems Product Support at 949-267-7745 to obtain new hoses.

## 9 Supplemental Information

Attached to this document for your convenience.

1. ENP-196, "CNG Fuel System Inspection Interval Recommendations for High Mileage, Heavy Duty Vehicles"

## 2. ENP-118, "Routing and Clipping Manual"

If you have any questions, contact Agility Fuel Systems Product Support at 949-267-7745 or support@agilityfs.com.

Agility Fuel Systems  
Product Support  
1815 Carnegie Ave  
Santa Ana, CA 92705 USA

## 10 Proprietary Statement

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Revision	Description	Author	Approved By	Date
--	Initial Release	W. Yoshida	Y. Coy	11/24/14
A	Edits for clarification	W. Yoshida	Y. Coy	12/4/14

**Part 573 Safety Recall Report****15V-105**

**Manufacturer Name :** Daimler Trucks North America LLC  
**Submission Date :** FEB 18,2015  
**NHTSA Recall No. :** 15V-105  
**Manufacturer Recall No. :** FL-678

**Manufacturer Information :**

**Manufacturer Name :** Daimler Trucks North America LLC  
**Address :** 4747 N. Channel Avenue  
 Portland OR 97217-3849  
**Company phone :** 800-745-8000

**Population :**

**Number of potentially involved :** 14  
**Estimated percentage with defect :** 100

**Vehicle Information :**

**Vehicle :** 2014-2015 Freightliner Cascadia

**Vehicle Type :**

**Body Style :**

**Power Train :** NR

**Descriptive Information :** Vehicles identified by Agility Fuel Systems as part of NHTSA recall 14E-056.

**Production Dates :** NOV 19, 2013 -JUL 14, 2014

**VIN (Vehicle Identification Number) Range**

**Begin :** NR

**End :** NR

Not sequential VINs

**Description of Defect :**

**Description of the Defect :** Please see Agility Fuel Systems recall 14E-056 that states "The stainless steel braid reinforcement on some of the Motion Industries T1700-06 flexible fuel hoses used in these fuel system applications may be susceptible to premature corrosion near the fitting crimp inside the slave tank enclosure, possibly due to a combination of the accumulation of road salt and the humid environment within the enclosure."

**Description of the Safety Risk :** Please see Agility Fuel Systems recall 14E-056 that states "If the corrosion progresses and remains undetected, the hose may leak in sufficient volumes as to create a risk of fire if an ignition source is present."

**Description of the Cause :** NR

**Identification of Any Warning that can Occur :** NR

**Supplier Identification :****Component Manufacturer**

Name : NR

Address : NR

FOREIGN STATES

Country : NR

**Chronology :**

October 2014- Agility Fuel Systems notified DTNA of a potential recall affecting DTNA vehicles.

November 2014- DTNA investigation concluded that DTNA had not manufactured vehicles with the suspect components.

February 2015- Agility Fuel Systems informed DTNA that certain vehicles may have had fuel systems installed by Agility with suspect components.

February 2015- DTNA voluntary decided to conduct a safety campaign to recall affected vehicles.

**Description of Remedy :**

Description of Remedy Program : The affected vehicles will have the defective hose replaced. Repairs will be performed by Agility Fuel System . Copies of the reimbursement plan will be submitted as a supplemental report when available.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

**Recall Schedule :**

Description of Recall Schedule : Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected.

Planned Dealer Notification Date : APR 18, 2015 - APR 18, 2015

Planned Owner Notification Date : APR 18, 2015 - APR 18, 2015

\* NR - Not Reported



# Part 573 Safety Recall Report

# 16E-092

**Manufacturer Name :** Agility Fuel Systems

**Submission Date :** DEC 09, 2016

**NHTSA Recall No. :** 16E-092

**Manufacturer Recall No. :** NR



## Manufacturer Information :

## Population :

**Manufacturer Name :** Agility Fuel Systems

**Number of potentially involved :** 1,695

**Address :** 1815 E. Carnegie Avenue

**Estimated percentage with defect :** 50 %

Santa Ana CA 92705

**Company phone :** 949-236-5520

## Equipment Information :

**Brand / Trade 1 :** Agility Fuel Systems

**Model :** Roofmount CNG Fuel System

**Part No. :** 20401000

**Size :** NR

**Function :** NR

**Descriptive Information :** Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

**Production Dates :** JAN 01, 2013 - DEC 31, 2014

**Brand / Trade 2 :** Agility Fuel Systems

**Model :** Roofmount CNG Fuel System

**Part No. :** 20402000

**Size :** NR

**Function :** NR

**Descriptive Information :** Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

**Production Dates :** JAN 01, 2013 - DEC 31, 2014

# Part 573 Safety Recall Report

# 16E-092

Page 2

Brand / Trade 3 : Agility Fuel Systems  
Model : Roofmount CNG Fuel System  
Part No. : 20408000  
Size : NR  
Function : NR

Descriptive Information : Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 4 : Agility Fuel Systems  
Model : Roofmount CNG Fuel System  
Part No. : 20409000  
Size : NR  
Function : NR

Descriptive Information : Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 5 : Agility Fuel Systems  
Model : Roofmount CNG Fuel System  
Part No. : 20410000  
Size : NR  
Function : NR

Descriptive Information : Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 6 : Agility Fuel Systems  
Model : Roofmount CNG Fuel System  
Part No. : 20411000  
Size : NR  
Function : NR

Descriptive Information : Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 7 : Agility Fuel Systems  
Model : Roofmount CNG Fuel System  
Part No. : 20413000  
Size : NR  
Function : NR

Descriptive Information : Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 8 : Agility Fuel Systems  
Model : Roofmount CNG Fuel System  
Part No. : 20414000  
Size : NR  
Function : NR

Descriptive Information : Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 9 : Agility Fuel Systems  
 Model : Roofmount CNG Fuel System  
 Part No. : 20506000  
 Size : NR  
 Function : NR

Descriptive Information : Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 10 : Agility Fuel Systems  
 Model : Roofmount CNG Fuel System  
 Part No. : 20510000  
 Size : NR  
 Function : NR

Descriptive Information : Agility roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 11 : Agility Fuel Systems  
 Model : EZ Pack Heil Tailgate CNG Fuel System  
 Part No. : 21100000  
 Size : NR  
 Function : NR

Descriptive Information : Agility EZ Pack Heil Tailgate CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 12 : Agility Fuel Systems

Model : EZ Pack Heil Tailgate CNG Fuel System

Part No. : 21101000

Size : NR

Function : NR

Descriptive Information : Agility EZ Pack Heil Tailgate CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 13 : Agility Fuel Systems

Model : EZ Pack Heil Tailgate CNG Fuel System

Part No. : 21102000

Size : NR

Function : NR

Descriptive Information : Agility EZ Pack Heil Tailgate CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 14 : Agility Fuel Systems

Model : EZ Pack Heil Tailgate CNG Fuel System

Part No. : 21102010

Size : NR

Function : NR

Descriptive Information : Agility EZ Pack Heil Tailgate CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 15 : Agility Fuel Systems

Model : EZ Pack Heil Tailgate CNG Fuel System

Part No. : 21103000

Size : NR

Function : NR

Descriptive Information : Agility EZ Pack Heil Tailgate CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 16 : Agility Fuel Systems

Model : EZ Pack Heil Tailgate CNG Fuel System

Part No. : 21105000

Size : NR

Function : NR

Descriptive Information : Agility EZ Pack Heil Tailgate CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 17 : Agility Fuel Systems

Model : EZ Pack Heil Tailgate CNG Fuel System

Part No. : 21106000

Size : NR

Function : NR

Descriptive Information : Agility EZ Pack Heil Tailgate CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 18 : Agility Fuel Systems

Model : EZ Pack Heil Tailgate CNG Fuel System

Part No. : 21107000

Size : NR

Function : NR

Descriptive Information : Agility EZ Pack Heil Tailgate CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 19 : Agility Fuel Systems

Model : EZ Pack Heil Tailgate CNG Fuel System

Part No. : 21108000

Size : NR

Function : NR

Descriptive Information : Agility EZ Pack Heil Tailgate CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 20 : Agility Fuel Systems

Model : Side-mount CNG Fuel System

Part No. : 21000000

Size : NR

Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 21 : Agility Fuel Systems  
 Model : Side-mount CNG Fuel System  
 Part No. : 21000011  
 Size : NR  
 Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 22 : Agility Fuel Systems  
 Model : Side-mount CNG Fuel System  
 Part No. : 21009011  
 Size : NR  
 Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 23 : Agility Fuel Systems  
 Model : Side-mount CNG Fuel System  
 Part No. : 21009001  
 Size : NR  
 Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 24 : Agility Fuel Systems  
 Model : Side-mount CNG Fuel System  
 Part No. : 21006011  
 Size : NR  
 Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 25 : Agility Fuel Systems  
 Model : Side-mount CNG Fuel System  
 Part No. : 21004001  
 Size : NR  
 Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 26 : Agility Fuel Systems  
 Model : Side-mount CNG Fuel System  
 Part No. : 21004011  
 Size : NR  
 Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 27 : Agility Fuel Systems  
 Model : Side-mount CNG Fuel System  
 Part No. : 21001011  
 Size : NR  
 Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 28 : Agility Fuel Systems  
 Model : Side-mount CNG Fuel System  
 Part No. : 21000001  
 Size : NR  
 Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 29 : Agility Fuel Systems  
 Model : Side-mount CNG Fuel System  
 Part No. : 21005011  
 Size : NR  
 Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 30 : Agility Fuel Systems  
Model : Side-mount CNG Fuel System  
Part No. : 21005001  
Size : NR  
Function : NR

Descriptive Information : Agility 25x80 side-mount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 31 : Agility Fuel Systems  
Model : Heil Roofmount CNG Fuel System  
Part No. : 21200000  
Size : NR  
Function : NR

Descriptive Information : Agility Heil Roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 32 : Agility Fuel Systems  
Model : Heil Roofmount CNG Fuel System  
Part No. : 21201000  
Size : NR  
Function : NR

Descriptive Information : Agility Heil Roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 33 : Agility Fuel Systems  
Model : Heil Roofmount CNG Fuel System  
Part No. : 21202000  
Size : NR  
Function : NR

Descriptive Information : Agility Heil Roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 34 : Agility Fuel Systems  
Model : Heil Roofmount CNG Fuel System  
Part No. : 21203000  
Size : NR  
Function : NR

Descriptive Information : Agility Heil Roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 35 : Agility Fuel Systems  
Model : Heil Roofmount CNG Fuel System  
Part No. : 21206000  
Size : NR  
Function : NR

Descriptive Information : Agility Heil Roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 36 : Agility Fuel Systems  
Model : Heil Roofmount CNG Fuel System  
Part No. : 21208000  
Size : NR  
Function : NR

Descriptive Information : Agility Heil Roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

Production Dates : JAN 01, 2013 - DEC 31, 2014

Brand / Trade 37 : Agility Fuel Systems  
Model : Heil Roofmount CNG Fuel System  
Part No. : 21209000  
Size : NR  
Function : NR

Descriptive Information : Agility Heil Roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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Brand / Trade 38 : Agility Fuel Systems  
Model : Heil Roofmount CNG Fuel System  
Part No. : 21210000  
Size : NR  
Function : NR

Descriptive Information : Agility Heil Roofmount CNG fuel systems that utilize Motion Industries T170006 hose assembly configuration (stainless steel, sleeved, flexible high pressure) in various lengths. Vent applications are exempt from recall.

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