

Flooded Roads



[Kevin Flottmeyer](#) 166 posts since Nov 11, 2014

Flooded Roads Jun 18, 2019 4:17 PM

Truck came in with code 3246/0 DPF Outlet High Temp. T/S code 3246/0 using Advance Diagnostics. Went thru the whole T/S and found no problems. AD said issue wasn't resolved. Driver said that before the code came active he had driven thru a flooded road per NE Highway Patrol telling him it was ok. The DPF Zone was in Zone 2 at the time. So truck was doing a driving regen per the log file. Could this scenario cause this code to come active? I'm thinking that when driver drove thru water the ACM saw the temps go down so dumped fuel into 1 box to get temps back up. Once truck was out of the water the excess fuel burned off causing the high DPF temp.



[Scott Trippel](#) 3,902 posts since Dec 13, 2014

Re: Flooded Roads Jun 18, 2019 4:34 PM

Good question, I am not sure but in my opinion, if the ATS was cooled suddenly by water, the DOC would also cool off and if it drops below 534F (I think that is the value) the system will not dose fuel.

What does the log file of a parked regen look like.



[Kevin Flottmeyer](#) 166 posts since Nov 11, 2014

Re: Flooded Roads Jun 18, 2019 4:47 PM

All of the temps looked good when doing the park regen, DPF Outlet Temp never got above 1083 degrees during the park regen.



[Scott Trippel](#) 3,902 posts since Dec 13, 2014

Re: Flooded Roads Jun 18, 2019 5:59 PM

Did you put it in a driven regen and see if is any different?



[Kevin Flottmeyer](#) 166 posts since Nov 11, 2014

Re: Flooded Roads Jun 18, 2019 7:31 PM

I took truck for a driving regen and found temps of DPF Outlet went to 1108 for the highest reading. The engine is knocking when it's under a load like going up a hill. Once you get to the top of the hill it stops knocking. If you stop the regen the knocking stops.



[Scott Trippel](#) 3,902 posts since Dec 13, 2014

Re: Flooded Roads Jun 18, 2019 9:05 PM

Does this unit have Asymmetric Injection?

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[Kevin Flottmeyer](#) 166 posts since Nov 11, 2014

Re: Flooded Roads Jun 19, 2019 2:19 PM

Yes it does have a asymmetric turbo if that is what you mean by asymmetric injection.



[Scott Faris](#) 195 posts since Jun 19, 2015

Re: Flooded Roads Jun 28, 2019 8:48 PM

Asymmetric Injection & Turbo are two different things.

This is a GHG17, so it has Asymmetric Injection.



[Josh Wilson](#) 21 posts since Nov 3, 2018

Re: Flooded Roads Sep 1, 2020 4:55 PM

Scott, I have a question about asymmetric injection. I know on cylinders 4,5,6, biasing will take place and fuel the rear cylinders more. Does fueling on 1,2,3 change? Are we just overfueling the rear 3 and not changing the front 3? Or are we taking fuel away from the front and adding more to the rear to place an artificial load on the engine?



[Kevin Flottmeyer](#) 166 posts since Nov 11, 2014

Re: Flooded Roads Jun 18, 2019 9:11 PM

I have attached the driving regen log file. I checked idle speed #1 is -47 #6 is 22 the other 4 are single digit. Relative Compression #1 is 100% and #6 is 88% for the low.

- [\(1FUJGLDR7HLHX1832\) 6-18-2019 1313.08.DrumrollLog](#) 11.1 MB



[Kevin Flottmeyer](#) 166 posts since Nov 11, 2014

Re: Flooded Roads Jun 26, 2019 4:58 PM

Finally got this problem fixed. Ended up replacing the #1 injector because of code for that injector. Also replaced the DPF filters they were both cracked internally. Engine ran good after these repairs.