

2015 m2106 gk2853 unit shuts down



[Julien Owen](#) 4 posts since Jul 3, 2020

2015 m2106 gk2853 unit shuts down Jan 22, 2021 9:46 PM

So I have a truck to do some research on for a truck shutting down after driving 160 miles. The drivers smells what is kerosene and using an excessive amount of fuel. Below is what the customer has stated about the vehicle:

"I have attached a copy of the last three invoices where this unit has gone down for what seems to be the same issues. The first time the vendor went out he diagnosed it as having a cracked turbo at which time he advised that the unit should be taken to a dealer. We had the unit at that time towed to Tom Nehl in Jacksonville Florida who checked the unit over. We picked the unit up and ran the unit approximately 144 miles and experienced the same failure. We at that time had the unit towed to Savannah Freightliner. They checked the unit and looks like they did not really find anything but a few exhaust leaks. We had them road test the unit several times including one road test for a 100 miles. The unit was pick up and made it 160 miles to your area and experienced the same failure. The second failure the driver reported that they could smell an odor like something burning. This last failure the driver reported that they could smell something with a kerosene odor. The drivers have also said that this unit seems to be using an excessive amount of fuel. I believe that the driver stated that when the unit went down this time that it would start but would not rev up until the engine cooled down below 160 degrees at which time it would start and run normally. It makes me wonder if we have an injector that is sticking or if there is an issue with the DOC or DEF. It also makes me wonder if the unit is calling for a regen and can't perform one successfully while it is going down the highway or a bad dozer. Thanks for your help and let us know if you have any questions or if you need any additional information. Please keep us update"

I was wondering if anyone has had this is before so that we can get in the ball park as far as diagnosing the issue. This truck has been to 2 other shops before coming here. Any help will be greatly appreciated.

I have not yet connected to the truck to see if there is any fault codes yet. But will post what I get from the vehicle.

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[Jon Cecil](#) 925 posts since Nov 25, 2014

Re: 2015 m2106 gk2853 unit shuts down Jan 23, 2021 5:50 AM

If an injector was over fueling, the oil would be overfilled since the Cummins ISB uses in cylinder injection for regenerations. Take a look at the aftertreatment history through advanced ECM data. The regens should be more than 8 hours apart. If they are less, you should find the oil level over filled. I have not seen an overfueling injector cause an engine to die.

As far as the smell, I've seen excessive DEF consumption and EGR system issues cause weird smells. Hopefully there will be some fault codes logged. I have seen EGR differential ports plugged causing a stumble and not throw any codes. A good look at the sensor ports and the EGR cooler might show something.



[Julien Owen](#) 4 posts since Jul 3, 2020

Re: 2015 m2106 gk2853 unit shuts down Jan 26, 2021 10:27 PM

checked the engine oil and it was at full mark but did not smell any fuel.



[Robert Cadell Jr](#) 2,775 posts since Nov 9, 2014

Re: 2015 m2106 gk2853 unit shuts down Jan 26, 2021 6:13 PM

I would check fuel quality also, 3 C's Color Clarity Consistency = Greenish or possibly yellow ting due to bio mixing clarity (as clear as possible) consistency (fuel sample).

I would start the unit and use a spray bottle of soapy water to check all exhaust joints for leaks (yes you have a small window to do this).

With this said I have a question was the SCR Campaign done for this unit, [C2119](#) It still shows open.

ECM CAL DT90003 is the current CAL BEFORE the SCR update. Please check bullitens for correct ECM CAL AFTER SCR replacement. (just throwing this out there)

Hope this helps.

- [dataplate.pdf](#) 97.4 KB Preview
- [fuel consumption excessive cummins.pdf](#) 86.6 KB Preview



[Julien Owen](#) 4 posts since Jul 3, 2020

Re: 2015 m2106 gk2853 unit shuts down Jan 26, 2021 10:27 PM

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As far as the recall Im not sure if it was done yet to my knowledge. but will check on it. I have been forwarding these messages to my service manager as well. but will find out what the issue is.



[Chaz Trimble](#) 1,367 posts since Feb 2, 2015

Re: 2015 m2106 gk2853 unit shuts down Jan 27, 2021 12:19 AM

We're there any codes like 559 or 4769? Need to know first how the unit is shutting down (running out of fuel, SEL, or electrical issue) . Duplicating the complaint may take a lot of time but is critical to correctly repairing the complaint.



[Robert Cadell Jr](#) 2,775 posts since Nov 9, 2014

Re: 2015 m2106 gk2853 unit shuts down Jan 27, 2021 12:53 AM

Pull the t shooting for the 559 fault and start there, dint forget the basics fuel level, quality, are there floaters in the tank, meaning debris, paper towels etc, fuel level because time to time we have issues with the pick up tube welds cracking that will happen approx 1/2 tank

Have the fuel filters been changed etc

Rob "Doc" Cadell
DTNA Master Technician/Elgin Lead Tech
TransChicago Truck Group BFWD
Shorewood IL 60404
803 917 5397 Cell
Good Hunting - you'll find your issue



[Pierre Beauchesne](#) 293 posts since Nov 11, 2014

Re: 2015 m2106 gk2853 unit shuts down Jan 27, 2021 8:18 PM

we had a unit with a piece of paper inside fuel tank and once in a while was plugging pick-up tube, after sitting still, paper got loose and truck was able to run for a while until it returned to pick-up tube.



[Robert Cadell Jr](#) 2,775 posts since Nov 9, 2014

Re: 2015 m2106 gk2853 unit shuts down Jan 27, 2021 8:32 PM

We have had that happen also take a 6 foot piece of 3/8 or so air line find a 194 bulb holder with leads, heat shrink your connections put some di electric grease on it.

Tape up the end at the bulb holder and hose, hook your leads to a 12v battery insert in diesel tank, it will light the tank up beautifully. And you can see the bottom and pick up tubes.

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Rob "Doc" Cadell

DTNA Master Technician/Elgin Lead Tech

TransChicago Truck Group BFWD

Shorewood IL 60404

803 917 5397 Cell

Good Hunting - you'll find your issue



[Scott Trippel](#) 4,057 posts since Dec 13, 2014

Re: 2015 m2106 gk2853 unit shuts down Jan 27, 2021 8:37 PM

LOL we had on the factory left the tag on the fuel cap chain and it came off and plugged the pick up tube



[Jon Cecil](#) 925 posts since Nov 25, 2014

Re: 2015 m2106 gk2853 unit shuts down Jan 27, 2021 5:02 AM

Checking for faults in other ECUs might give you an idea on what's going on as well, not just in the engine ECM. The PNDBs have been known to cause the units to shut off randomly. You could just be dealing with two separate issues.