Service Bulletin

Bulletin No.: 03-06-04-017Q
Date: September, 2022

INFORMATION

Subject: **Information on Diesel Fuel Additives**

Models: **2021–2023 Cadillac Escalade (RPO LM2)**
2014–2015 Chevrolet Cruze (RPO LUZ)
2017–2019 Chevrolet Cruze (Gen II – VIN B) (RPO LH7)
2016–2022 Chevrolet Colorado (RPO LWN)
2018–2019 Chevrolet Equinox (RPO LH7)
2017–2022 Chevrolet Express (RPO LWN)
2021–2023 Chevrolet Suburban, Tahoe (RPO LM2)
2016–2022 GMC Canyon (RPO LWN)
2018–2019 GMC Terrain (RPO LH7)
2017–2022 GMC Savana (RPO LWN)
2021–2023 GMC Yukon (RPO LM2)
2023 and Prior GM Chevrolet and GMC Light Duty and Medium Duty Trucks

Attention: **This bulletin also applies to any of the above models that may be Export from North America vehicles.**

This bulletin has been revised to add the 2023 Model Year and RPOs to certain vehicles and add a Canadian P/N under GM ACDelco Diesel Fuel Conditioner. Please discard Corporate Bulletin Number 03-06-04-017P.

TOP TIER Detergent Diesel is highly recommended for use with diesel vehicles. If your area does not have TOP TIER Detergent Diesel, GM recommends the use of ACDelco Diesel Fuel Conditioner. This will help you maintain optimal engine performance. In the event you refuel using low-quality diesel, GM recommends adding ACDelco Fuel System Treatment Plus-Diesel. This can help clean engine deposits and is available at your GM dealership.

Common Diesel Fuel Concerns

Fuel Waxing/Icing

Fuel distributors blend #1 and #2 diesel fuels* for seasonal requirements in a particular region. No other blending of fuels is recommended. However, a customer may desire to use a winter fuel additive to prevent fuel waxing or icing during extreme cold snaps. If a winter fuel additive is to be used, GM recommends the use of ACDelco Diesel Cold Flow Additive.

*In Canada, Diesel fuel blend #1 is categorized as type A (Winter) and blend #2 is categorized as type B (Summer).

Low Cetane Number

The cetane number is one indicator of a diesel fuel's ability to ignite. There are many indicators of overall fuel quality such as cleanliness, specific gravity, volatility, viscosity, detergency, corrosion inhibiting abilities, and lubricity. Increasing the cetane number alone is not a fix for poor quality fuel. Additionally, increasing the cetane number beyond the engine's requirements will not increase performance. However, the cetane number of diesel fuel is not always consistent and some customers may desire to use a cetane improver to ensure full performance of their engine. If such an additive is to be used, GM recommends the use of ACDelco Diesel Fuel Conditioner additive.

Poor Lubricity

GM Diesel engines are designed to operate on today's low sulfur fuel without the use of additives. A fuel additive designed to increase lubricity is not a fix for poor quality or contaminated fuel, but some customers may desire to use a lubricity additive to aid in the longevity of their fuel system components. If such an additive is to be used, GM recommends the use of ACDelco Diesel Fuel Maintenance Additive or ACDelco Diesel Fuel Conditioner additive.

Fuel Stability

Fuel stability and degradation may be a concern for diesel fuels, especially for diesel fuel containing biodiesel. Use of aftermarket stability additives to improve the quality of a degraded fuel is not a fix and use of such aftermarket stability additives by customers is discouraged due to concerns of proper mixing and fuel compatibility. However some customers may desire to use a stability additive to increase the shelf life of their fuel. If such an additive is to be used, GM recommends the use of ACDelco Diesel Fuel Conditioner additive.

Injector Deposits

Modern common rail fuel injection systems can have lower tolerance for deposit formation due to tighter tolerances found in today's diesel engine fuel systems. However, these same common rail fuel systems create a more reactive environment for deposit formation due to higher operating pressures and temperatures. Diesel fuel injector fouling involves deposit formation on the external and/or internal surfaces of the injector and nozzle. Use of detergent based fuel additives can clean and prevent injector deposit formation in diesel engines running on poor quality fuels. If such an additive is to be used, GM recommends the use of ACDelco Diesel Fuel Maintenance Additive or ACDelco Diesel Fuel Conditioner additive.

Fuel Source Issue

If a vehicle is properly maintained but has fuel contamination issues, consider obtaining fuel from a different source. Purchasing fuel from a high volume fuel retailer increases the chance that the fuel is fresh and of good quality.

Parts information

GM ACDelco Diesel Fuel Conditioner

GM ACDelco Diesel Fuel Conditioner®, P/N 19419985 (in Canada, P/N 19421322), is alcohol free and metal free additive. It is multifunctional additive and provides benefits of cleaning engine deposits, improved lubricity, improved cold temperature fuel flow, reduced fuel filter plugging, corrosion protection, enhanced fuel stability and cetane boost.

GM ACDelco Diesel Fuel Maintenance Additive

GM ACDelco Diesel Fuel Maintenance® Additive, P/N 19419458 (U.S.*), is an alcohol free and metal free additive. It is a multifunctional additive and provides benefits of cleaning engine deposits, improved lubricity and corrosion protection.

GM ACDelco Diesel Cold Flow Additive

GM ACDelco Diesel Cold Flow® Additive, P/N 19419986 (U.S.*), is an alcohol free and metal free additive. It provides protection from filter plugging in cold winter conditions linked to wax formation in diesel fuels.

GM ACDelco Fuel System Treatment Plus

If the customer experiences concerns related to fuel injector deposits, then the use of FUEL SYSTEM TREATMENT PLUS® – DIESEL, P/N 88865597 (in Canada, P/N 88865600), is allowed based on a recommendation from the dealership technician. This is a highly concentrated product and should be used as per defined guidelines.

*Canadian P/N will be published when available.

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