



Preliminary Information

PIP5856 Use of R-99 or R-95 diesel fuel

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
All	All	2006 - 2022	All	All	All Diesel Engines	All

Region:	GMNA
Condition:	The use of renewable Diesel, R-99 or R-95 has been approved by GM Engineering for all GM vehicles with Diesel Engines.
Cause:	Renewable diesel (RD) is essentially any diesel fuel produced from a renewable feedstock that is predominantly hydrocarbon (not oxygenates) and meets the requirements for use in a diesel engine. Renewable Diesel is not biodiesel but is identical to components present in conventional diesel fuel. Today almost all renewable diesel is produced from vegetable oil, animal fat, waste cooking oil, and algal oil.

Correction:

INFORMATION ONLY:

B20 fuel is a blend of up to 20-percent bio components and 80-percent conventional diesel, which helps lower carbon dioxide emissions and lessens dependence on petroleum.

All Fuel must meet ASTM D975 diesel fuel standards.

Renewable or BioMass fuels have an API of up to 50.

The API can be between 40 and 50, depending on if the fuel is a combination of #1, #2, and the R-99/95 fuel.

This fuel is also clear in color when not mixed with other fuels.

Currently, we have four things to examine when testing fuel:

- 1) Look at the color of the fuel compared to what you normally see in your region. Cloudy looking fuel is an indication that there may be an issue with the fuel.
- 2) Look for any separation of the fuel. This can be anything from sediment settling or different layers like water being seen.
- 3) The third test is mentioned above and is the Specific Gravity (API) of the fuel. (Up to 50)
- 4) Lastly, if you take a sample of the fuel, put it in a Styrofoam cup, and place the cup in a drain pan, fuel contaminated with gasoline will certainly melt the cup within half an hour.

B20 Biodiesel will also melt in a Styrofoam cup, but will take about an hour.

Version History

Version	1
Modified	05/26//2022 - Created on.



GENERAL MOTORS