



CountryMark & John Deere offer diesel performance tips

Rough running, misfiring, smoking and poor starting are symptoms of Internal Diesel Injector Deposits or IDID. *FarmWorld* recently sat down with CountryMark and John Deere to discuss how diesel owner/operators can avoid these diesel engine performance problems.

According to Barbara Goodrich, manager of engine fluids for John Deere Power Systems in Moline, Ill., Ultra Low Sulfur Diesel (ULSD) has been known to cause sticky deposits in some diesel engines (in particular, on-road and Tier 3 off-road high pressure common rail engines). These deposits, also known as IDID, lead to a number of diesel engine performance problems.

"This problem does not show up everywhere," said Goodrich. "It is most prevalent in the upper Midwest, while California has very few issues. There are some new detergent/dispersant diesel fuel additives available that have been shown to clean up and prevent these deposits."

The reason deposits in new engines are such a concern is because the holes in the injectors are smaller and more susceptible to clogging. If the holes are even partially blocked, engine performance is reduced.

According to Matt Smorch, CountryMark Vice President of Planning, operators may not even realize a deposit buildup is happening, but with each hour of operation deposits slowly grow. Over the course of a season or two, engines can suffer very real performance losses.

Smorch said CountryMark is doing all it can to make sure any deposit problems from diesel fuel are minimized through the use of detergents and additives.

"Engine manufacturers are changing their designs to get better mileage," said Smorch. "We're working with Original Equipment Manufacturers to help them in their designs. Because the injectors are getting smaller in order to more efficiently burn the fuel, making sure we have a quality fuel to use in those engines is the big thing for us. Our premium diesel fuels, Super Deselex-4 and Premium Diesel-R, include new detergents to eliminate deposits that can build up on injectors."

Fuel storage is also important, which is why CountryMark is working to educate customers about water in tanks and on the importance of good maintenance of on-site fuel storage. Goodrich added that since zinc can catalyze into deposits, owner/operators should check to make sure there is no zinc in their on-site fuel lines and/or fuel storage tanks.

Visit the CountryMark [website](#) for more information about CountryMark's premium diesel fuels that keep injectors clean and powerful diesel engines running at their best.



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