

The Background Story

There has been a lot of information in the press recently about the upcoming changes to both marked gas oil (red diesel) and the next generation of tractor engines, that are required to meet the latest emissions standards.

We wanted to take this opportunity to explain a little more about these changes and what they mean for you, regardless of whether you presently run products with emission certified engines or not.

The drive for lower exhaust emissions is something which has been with us for a long time. It started back in 1999 with Tier I and Tier II compliant engines in our 20 series tractors, the next evolution was with Tier III engines in the 30 series tractors and from January 2011 engines manufactured over 174 hp will need to meet stage IIIB (also known as Interim Tier IV) standards.

Each of these developments in emission standards has required engine manufacturers to increase the level of technology in their engines, but this technology can only work if the fuels used meet certain stringent standards. John Deere's choice of engine technology has allowed us to meet these standards whilst still maintaining great engine performance and best in class fuel efficiency.

The technology used to meet the new emission standards will require Ultra Low Sulphur fuel with 10ppm similar to that used in road vehicles.

This Ultra Low Sulphur marked gas oil must, by law, be made available from the 1st January 2011. On the following pages you will find some additional information and facts about the new fuel which you may find useful.

All engines, no matter what the make are developed using a reference fuel that is closer in terms of quality to the road diesel than marked gas oil. It follows that to obtain the best in terms of power and fuel efficiency these engines need to run on a fuel that is equal to this.

John Deere strongly recommends that a fuel conditioner is used with all marked gas oil. Fuel conditioner will help keep the fuel system performing correctly, enhance the properties of the fuel, which can give improved fuel economy whilst ensuring durable high performance over many years.

The quality of fuel varies and similarly so does the quality and function of conditioners. John Deere strongly recommends that you use an appropriate conditioner for your specific circumstances. Your dealer stocks a range of John Deere fuel conditioners and is best placed

to explain the difference and give sound advice on what the correct choice would be for you. These are extensively tested and proven to deliver real value and we are convinced that they currently deliver the very best performance and overall protection for any engine.

Fuel storage and handling is another critical factor in protecting your fuel system. Good quality storage tanks and inline filters to remove suspended debris and water should be used.

At P Tuckwell Limited we stock a full range of fuel additives and storage tank filtration systems to cater for your needs. If you have any questions regarding the above information please don't hesitate to contact our service department who can advise you on all aspects of John Deere fuel systems.