



Engines : Oil, Fuel and Hydraulic Systems

The agriculture business has the most diverse range of equipment. The entire range of products is used in this sector. Agricultural equipment is subjected to some of the most adverse conditions. The issues are wide and varied. Fuel issues are a major problem due to the amount of handling fuel suffers before reaching machines. Fuel is often transported in drums and fuel trailers leaving it susceptible to airborne contamination. Water and rust scale are also common problems.

Engines are run at constant loads in dusty environments and due to work demands oil change intervals often exceed OEM recommendations. Irrigation motors fall into this category. Fitting a gate valve on the filter inlet enables the Filter Technology elements to be serviced and topped up with oil while the motor is still running, giving your motor added protection it normally would not have.

Transmissions and hydraulic systems are often running the same fluid and with constant changing of implements, dirt and other foreign particles enter the system through the hydraulic coupling points causing accelerated wear of all components.

Some examples ..

CTS 2 John Deere Header fitted with oil and fuel filters

- Extended OEM fuel element changes from 100 hours to 500 hours
- Extended oil drains from 250 hours to 750 hours
- Noted more constant engine revs
- Ease of servicing while on the job
- Waste oil disposal problems eliminated while in the paddock



John Deere 4650 tractor fitted with oil and fuel filters

- Extended oil drains from 250 hours to 500 hours
- Eliminated fuel element blockages
- Lowered silicon levels in the motor by 400%
- Improved transmission oil cleanliness by 5 ISO codes
- Improved fuel economy by 4.5%
- Injector and fuel pump life extended