Fleetguard®

BULLETIN

Benefits of the Monitor™ Fluid Analysis Program

What Can the MONITOR™ Fluid Analysis Program Do For You?

- **Extend Oil Drain Intervals –** Service interval technologies maximize uptime by up to 20% and reduce maintenance costs by up to 40% annually.
- **Extend Equipment Life –** Monitoring system cleanliness and filtration efficiency allows users to get more out of the equipment and can significantly reduce equipment replacement costs. A typical replacement engine for a class 8 truck costs anywhere from $12,000 to $15,000, which can be avoided by monitoring the fluid status.
- **Identify Minor Problems Before They Become Major Failures –** State-of-the-art fluid analysis identifies dirt, wear particles, fuel dilution and coolant contaminants that can cause catastrophic failure or significantly shorten equipment life. As an example, a fuel analysis program helps reduce wear and saves $2,000 to $4,000 that would be spent replacing injectors and cleaning the system if contaminants were not monitored.
- **Maximize Asset Reliability –** Testing and analysis expands your extended service environment to ensure that units are up, running and making money. A typical Monitor user is able to increase equipment runtime by up to 20% and maximize efficiency.
- **Increase Resale Value –** Analysis results provide valuable sampling history documentation that can significantly increase equipment resale values by up to 50%.

Testing

Monitor's independent testing laboratories are ISO 17025 A2LA accredited – the highest level of quality attainable by a testing laboratory. This program is supported by a documented quality system you can depend on to deliver superior testing and customer services. Monitor Fluid Analysis will show you how regular sampling and trend analysis – monitoring test data over an extended period of time – will provide the information you need to continually maximize asset reliability and increase company profits.

Monitor Sampling Intervals and Methods

	Sampling Interval	Suggested Method and Location
Diesel Engines-Oil	Monthly or at 250 hours	By sample extraction pump through dipstick retaining tube or sampling valve installed in filter return
Diesel Engines-Coolant	Quarterly	By vacuum pump through radiator
Diesel Engines-Fuel	Quarterly	By vacuum pump through fuel tank
Hydraulics	250 – 500 hours	By vacuum pump through oil fill port or system reservoir at mid-level
Automatic Transmissions	500 hours / 25,000 miles	By vacuum pump through dipstick retaining tube or sampling valve installed in filter return
Manual Transmissions & Differentials	750 hours / 50,000 miles	By vacuum pump through oil level plug or dipstick retaining tube

Application by Industry Type

Product	Mining	Oil & Gas	Transportation	Construction
CC2525 Basic Engine Analysis			✓	
CC2543 Extended Oil Drain Analysis	✓	✓	✓	✓
CC2700 Coolant Quality Analysis	✓			✓
CC2650 Diesel Fuel Go/No-Go Analysis	✓	✓	✓	✓
CC2719 Fuel Analysis	✓	✓		✓
CC2544 Engine Failure Lube Oil Analysis	✓			
CC2717 Advanced Coolant Analysis		✓	✓	
CC2527 Hydraulic Fluid Analysis	✓			✓
CC36135 Filter Debris Analysis	✓			✓
CC36136 Off-Highway Premium Fluid Analysis	✓			✓

Filtration

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