

Percent Fuel Analysis

Percent Fuel will be Added to the Standard Battery of Engine Oil Tests Performed

Hawthorne's Scheduled Oil Sampling (S.O.S.SM) can put your equipment on a regular diagnostic program. S.O.S.SM identifies abnormal wear by determining the amount of various wear elements in the oil from a particular compartment. Sample data is then permanently recorded to track the history of each compartment of each machine and warn of impending failure. In addition to oil, the lab can evaluate fuel, hydraulic fluid and coolant for indicators that can lead to early, unexpected failures.

Recent advances in diesel engine and emission technologies require laboratory test methods to adjust once again. Determining and trending the actual percent fuel in the crankcase oil has become a valuable tool in helping to detect and diagnose fuel dilution problems. Fuel dilution of crankcase oil can be very detrimental to an engine and its components, and can cause:

- Reduced oil viscosity
- Disruption of oil film strength
- Weakening of lubricant additive protection
- Accelerated lubricant oxidation
- Varnish formation
- Acid formation
- Low oil pressure



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Maintaining your equipment with cost control is a top priority. Hawthorne is committed to assisting you in minimizing your equipment operating costs.

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