

## Abstract

### **Particle Counting as a Tool to Optimize Fuel Contamination Control Programs - Opportunities and Limitations**

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High Pressure Common Rail fuel injection systems (HPCR) play a key role in the in-cylinder control of diesel emissions. Recent advances in fuel filtration provide unprecedented levels of contamination control to these systems. Due to diverse fuel handling practices and environmental conditions, it is prudent for engine operators and service technicians to monitor fuel particulate contamination levels. In this paper, we discuss the use of particle counting to monitor fuel contamination and the advantages and shortcomings of proposed standards for the analysis of fuel samples.

#### Bio-Sketch

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