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## **ULSD/Biodiesel blend and its effect on fuel/water separation**

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### **ABSTRACT**

The use of ULSD/biodiesel blend can cause potential on-vehicle fuel filtration problems including decreased emulsified water separation efficiency and shortened fuel filter life, thus the understanding of the fuel blend is important. In this paper, we will present our preliminary studies on the different physical and physical chemical properties of ULSD/biodiesel blends. We will also show the effects of the blended fuel on fuel/water separator's efficiency. The biodiesel used in this study includes soybean and animal fat based fatty acid alkyl esters.

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