



## 2. Compatibility Issue Related to the Use of Biodiesel with Automotive Materials

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### **Abstract**

Biodiesel fuel can be used in diesel engine in accordance to the standard provided. However, a significant issue with biodiesel fuel was noted. Some of the fuel quality were outside the accepted range of the specification stated in the standard. Thus, this can be lead to the problem of utilization them in diesel engine. Moreover, material compatibility is the main concern whenever the fuel composition is altered in the fuel system. A large variety of metals and non-metals are worn as the material of construction for the various components of the fuel system. Introduction of biodiesel fuel often generate many problems in the components of the fuel system. This paper attempts to present the compatibility issue related to the use of biodiesel with automotive materials.

**Keywords:** Biodiesel; Diesel; Fuel system; Automotive.

### **Acknowledgements**

The authors are grateful with the financial support from Ministry of Education Malaysia and University Tun Hussein Onn Malaysia under SLAB financial scheme.