

## Effects of Biodiesel on Interfacial Tension Measurements

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Biodiesel has shown to effect the water removal characteristics of diesel fuel blends. Most biodiesel fuel blends have lower interfacial tension (IFT) values which typically indicate it being more difficult to remove water. Previous research has confirmed this assumption evaluating various biodiesel fuel blends with various filtration technologies using SAE J1488 testing protocol. Since the previous research was performed several years ago and advances have been achieved in the biodiesel manufacturing and specifications, this presentation will address the IFT values of current biodiesel blends. Besides the typical DuNouy platinum ring measurements, additional IFT measurement techniques will be discussed.