

*IASH 2007, the 10th International Conference on
Stability, Handling and Use of Liquid Fuels
Tucson, Arizona
October 5-11, 2007*

ALTERNATIVE FUELS AND MATERIAL COMPATIBILITY

Edward W. English, II

Fuel Quality Services, Inc., P.O. Box 1380, Flowery Branch, Georgia 30542 USA

As legislation becomes enacted to reduce green house gases, tail pipe emissions, and our reliance on foreign oil the emerging use of alternative fuels and its impact on the storage and distribution infrastructure is becoming more the topic of interest. Certain materials and strategies once implemented to safely store and distribute petroleum hydrocarbons may now find themselves incompatible as biomass fuels like ethanol blends, ethanol fuel, and biodiesel fuels become more the norm. This shift in fuel strategy from petroleum based fuels to biomass fuels can significantly reshape the way we store and distribute fuels in the future. This presentation will discuss the material compatibility and storage challenges with alternative fuels.