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**STABILITY AND HANDLING ISSUES ASSOCIATED WITH AVIATION  
TURBINE FUELS DERIVED FROM BIO SOURCES**

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Synthetic fuels present unique challenges for specification writers. We have gone through one iteration of this issue with the development of synthetic fuels from coal and natural gas via the Fischer Tropsch and related processes. Now the emphasis is on developing fuels from bio sources. While it is theoretically possible to reduce bio materials to synthesis gas and end up with the same product as coal derived fuels that approach is economically unattractive. This means the origin of the material has more potential impact on final product. In this paper the author will discuss the issues involved with preparing a suitable aviation turbine fuel from bio sources.