



Aviation Fuels provides up-to-date data on fuel effects on combustion performance and use of alternative fuels in aircraft. This book covers the latest advances on aviation fuel technologies, including alternative fuels, feedstocks and manufacturing processes, combustion performance, chemical modeling, fuel systems compatibility and the technical and environmental challenges for implementing the use of alternative fuels for aviation. Aviation fuel and combustion researchers, academics, and program managers for aviation technologies will value this comprehensive overview and summary on the present status of aviation fuels. Presents an overview on all relevant fields of aviation fuels, including production, approval, fuel systems compatibility and combustion (including emissions) Discusses the environmental impacts and carbon footprint of alternative fuels Features a chapter on electric flight and hydrogen powered aircraft and how its implementation will impact the aviation industry

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