

Ethanol Progress Report Workshop

- Hawaii's state fuel regulations
- Hawaii's gasoline specifications
- February 9, 2006
- Honolulu, Hawaii

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State of Hawaii, DOA, QAD
Measurement Standards

§486-56 HRS Adoption of Standards and Rules.

Hawaii's Gasoline Specifications
ASTM D 4814
Adopted in 1991

State of Hawaii, DOA, QAD
Measurement Standards

Signed Into Law July 1991

- Standards referenced in Hawaii's administrative rules (HAR) title 4- chapter 86- section 10 are "updated"
- §486-56 HRS adopts the ASTM and SAE standards, of 1991
- ASTM D 4814 standard specifications for automotive spark-ignition engine fuel

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Measurement Standards

HRS §486-56, L 1991

- State of Hawaii uses the latest volume temperature correction system in its regulation of automotive spark-ignition engine fuel

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Measurement Standards

Concerns with Blend Stock

- Modification to existing processes in order to produce a compliant blend stock
- Compliant blend stock that meets ASTM D4814 standard – which does not provide a single minimum level of antiknock index

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Measurement Standards

Blend Stock is combined with 10% Ethanol

- Product that meets the current RVP specifications (11.5 psia)
- Product that meets the minimum antiknock index of 87 for regular grade
 - Antiknock index $(RON+MON/2)$

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Blend Stock Is Combined With 10% Ethanol

- Product that meets the minimum antiknock index of 92 for premium grade
- Product that may require an EPA substantially similar waiver in order to meet certain volatility or distillation requirements of ASTM D4814

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Questions?

- Thank you for your participation
- William Pierpont, Manager
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