

Appendix J

NIST Handbook 130 – Uniform Engine Fuels and Automotive Lubricants Regulation

Item:

237-11: Section X.X. Flex Fuel Vehicles

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Flex Fuel Vehicle Fuel Task Force (FFVFTF)

Interim NCWM
January 22, 2012
New Orleans, LA

Flex Fuel Vehicle Fuel TF

- Formed at FALS – NCWM Montana 2011
- Address full range of blends restricted to FFVs
- Incorporate changes to ASTM documents
- Develop consensus wording for HB 130

- Progress has been made

Fuels restricted to FFVs

Current HB 130 language

ASTM D4814	for conventional vehicles
ASTM D5798	restricted to FFVs Previous
D5798	68 to 83 % ethanol

Changes to be Incorporated

Current D5798	51 to 83 % ethanol
ASTM DXXXX	MLEB - full committee vote soon
	GT conventional & LT 51% ethanol

Progress on Fuel for FFVs

- Ethanol Flex Fuel
 - Ethanol concentrations restricted to FFVs
 - Differentiate from methanol and others
 - Easy consumer identification
- Identified locations in HB 130 needing modification
 - Ethanol & Denatured Fuel Ethanol
 - Definitions, specifications, labeling ...

Naming & Labeling - Unresolved

1 - Ethanol Flex Fuel

Mid-Level Ethanol Flex Fuel	ASTM DXXXX	Conv. → 51%	EXX +/- 5%
High-Level Ethanol Flex Fuel	ASTM D5798	51 → 83 %	High-Level Ethanol Flex Fuel (Min 51%)

2 - Ethanol Flex Fuel

Mid-Level Ethanol Flex Fuel	ASTM DXXXX	Conv. → 51%	EXX +/- 5%
High-Level Ethanol Flex Fuel	ASTM D5798	51 → 83 %	High-Level Ethanol Flex Fuel (min 51%)
E85	ADTM D5798 & 68	→ 83 %	E85 (Min 68%)

3 - Ethanol Flex Fuel

[other options may be proposed]

How to handle transitions??

* FTC ruling ??

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