



ISO/TC 28 Petroleum products and lubricants

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ISO/TC 28 N 2254

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To: P-members
O-members
L-members

Copy to: ISO/CS

Responses received to proposed wording to incorporate FAME in ISO/TC 28 standards

In accordance with ISO/TC 28 Resolution 26/2004 (Applicability of ISO/TC 28 standards to FAME), the note given below was proposed in document 28 N 2247 to be added to the scope of future revisions of existing test methods (see the list given in ISO/TC 28 Resolution 26/2004 and N 2247) to incorporate fatty acid methyl esters (FAME) for those methods that showed no change in precision (round robin exercises were carried out by CEN/TC 19 Working Groups and the results documented in prEN/TR 15160 Petroleum and related products – Applicability of diesel fuel test methods for Fatty Acid Methyl Esters (FAME) – Information and results on round robin tests).

"NOTE FAME conforming to EN 14213 or to EN 14214, heating oil containing FAME according to EN 14213 and distillate fuels containing up to 5 % (V/V) of FAME according to EN 14214, were shown to meet the precision of this document."

For your information:

EN 14213 Heating fuels — Fatty acid methyl esters (FAME) — Requirements and test methods

EN 14214 Automotive fuels — Fatty acid methyl esters (FAME) for diesel engines — Requirements and test methods

Responses received on the note from France, Netherlands, and USA indicated support of the proposed wording. The response from Italy (see attachment) indicated support for the proposed note for some specific standards, but suggested modified wording for other standards based on the details of CEN/TR 15160.

The Italian comments will be considered by the ISO/TC 28 Advisory Group at the forthcoming AG meeting to be held on 23 June 2005.

Yours sincerely

Paula Watkins

Paula Watkins
Secretary to ISO/TC 28

Response from Italy on ISO/TC 28 N 2247 – Proposed wording to incorporate FAME in ISO/TC 28 standards

The proposed wording is fully acceptable for the following standards:

- **ISO 3104 – Viscosity at 40°C**
- **ISO 10370 – Carbon residue – micro method**

As for the remaining ones, I have the following proposals for change.

- **ISO 3016 – Pour point**
The wording should be limited to blends up to 5% volume. No information available as for precision data in case of neat FAME and blends containing more than 5% volume
- **ISO 3015 – Cloud point**
Same as above. Cloud point is not included in the neat FAME specifications
- **ISO 3405 – Distillation**
The wording should be limited to blends up to 5% volume. This standard is not applicable to neat FAME and blends with more than 5% volume
- **ISO 3987 – Ash content (sulphated)**
Wording should be limited to neat FAME and blends with more than 5% vol. Standard not included in specifications of blends up to 5% volume
- **ISO 2160 – Copper corrosion**
Wording is suitable; it is to be noted that standard does not include precision data
- **ISO 2719 – Flash point closed cup**
Wording has to be limited to blends up to 5% volume; standard not applicable to neat FAME
- **ISO 5165 – Cetane number**
Wording fully acceptable for blends up to 5% volume but not for neat FAME. As matter of fact, precision data are similar but not identical to those of petroleum products
- **ISO 6345 – Ash content**
Wording should be limited to blends up to 5% volume since ISO 3987 standard is used for neat FAME
- **ISO 12205 – Oxidation stability**
Wording is acceptable if limited to blends up to 5% volume; EN 14112 is used to check the oxidation stability of neat FAME
- **ISO 13789 – Alkyl-nitrate content**
This standard is applicable to blends up to 5% volume but precision data are not available, therefore the proposed wording should be modified accordingly

Roma, 2 maggio 2005