



ISO/TC 28 Petroleum products and lubricants Advisory Group

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ISO/TC 28 AG N 242

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To: Members of the ISO/TC 28 AG

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Final resolutions of the ISO/TC 28/AG meeting, 11-12 November 2002, Milan, Italy

***ISO/TC 28/AG Resolution 1* Adoption of the agenda**

The ISO/TC 28/AG adopts the agenda, 28/AG N 239, with the addition of document numbers as given by the Secretary, and an additional item 12.5 *Discussion document on a proposal for new work for a replacement FIA method*.

***ISO/TC 28/AG Resolution 2* Approval of the report and resolutions from the previous AG meeting**

The ISO/TC 28/AG approves the report and draft resolutions from the AG meeting held on 2001-06-21 in San Diego, USA, and as given in 28/AG N 238, with the following modifications:

- on page 8, clause 7.4, 3^d sentence, "He therefore recommended that the revision of ISO 6619...", and for Resolution 9 to be amended accordingly.
- and noting that Bob Hooks (UK) also attended the meeting, but whose name was not recorded on the attendance list given in Annex A to 28/AG N 238.

***ISO/TC 28/AG Resolution 3* Titles and scopes of ISO/TC 28 standards for determining sulfur content**

The ISO/TC 28/AG recommends that ISO/TC 28 forms an ad hoc group to study the titles and scopes of the sulfur methods listed below to determine if proposals can be made to modify them to make them more consistent and user-friendly:

ISO/TC 28/AG Resolution 3 (continued)

- ISO 8754 *Petroleum products – Determination of sulfur content – Energy-dispersive X-ray fluorescence spectrometry*
- ISO 14596 *Petroleum products – Determination of sulfur content – Wavelength-dispersive X-ray fluorescence spectrometry*
- ISO/DIS 16591 *Petroleum products – Determination of sulfur content – Oxidative microcoulometry method*
- ISO/DIS 20846 *Petroleum products – Determination of total sulfur content of liquid petroleum products – Ultraviolet fluorescence method*
- ISO/DIS 20847 *Petroleum products – Determination of sulfur content of automotive fuels – Energy-dispersive X-ray fluorescence spectrometry*
- ISO/DIS 20884 *Petroleum products – Determination of low sulfur content of automotive fuels – Wavelength-dispersive X-ray fluorescence spectrometry*

ISO/TC 28/AG Resolution 4 Standards without a precision statement

The ISO/TC 28/AG, when reviewing the document submitted by the ISO/TC 28/SC 4 Secretary regarding the development of standards without a precision statement (28 N 2188), notes that the following information is given by ISO/CS on this subject:

Precision statements

- Recommended for all analytical test methods that give numerical results;
- Interlaboratory data is needed.

If no interlaboratory data are available, and if it is still considered useful to publish a document (e.g. a Technical Specification), say something like the following...

“The precision of this test method is not known because interlaboratory data are not available. Interlaboratory data are being obtained and a precision statement will be added at the following revision”, or

“The precision of this test method is not known because interlaboratory data are not available. This method may not be suitable for use in specifications or in the event of disputed results as long as these data are not available.”

ISO/TC 28/AG Resolution 5 ISO 15595 and ISO 15596

The ISO/TC 28/AG, on reviewing the following:

- The results of the NP to reinstate onto the work programme ISO 15595 *Petroleum and related products — Determination of the oxidation stability and corrosivity of fire-resistant fluids* (28 N 2172)
- The results of the NP to reinstate onto the work programme ISO 15596 *Petroleum and related products — Determination of hydrolytic stability of fire-resistant fluids* (28 N 2173)

notes that at this time there is insufficient support to reinstate these projects. If further experts are nominated by other P-members at the ISO/TC 28 meeting, Germany (ISO 15595) and the UK (ISO 15595 and ISO 15596) will also attempt to identify experts to participate in the development of these projects.

ISO/TC 28/AG Resolution 6 Results of NP and CD ballots

The ISO/TC 28/AG notes that no negative votes were submitted on the following items, and the results therefore do not require review by the AG:

- ISO/CD 4263-3 *Petroleum and related products — Determination of the ageing behaviour of inhibited oils and fluids — TOST test — Part 3: Anhydrous procedure for synthetic hydraulic fluids* [28 N 2166]
- ISO/CD 4263-4 *Petroleum and related products — Determination of the ageing behaviour of inhibited oils and fluids — TOST test — Part 4: Procedure for industrial gear oils* [28 N 2167]
- Combined new work item proposal (NP) and committee draft (CD) ballot for the revision of ISO 4259 *Petroleum products — Determination and application of precision data in relation to methods of test* [28 N 2168]

ISO/TC 28/AG Resolution 7 ISO/TC 28 standards proposed for withdrawal

The ISO/TC 28/AG recommends that the following standards are proposed for withdrawal:

- ISO 2207:1980 *Petroleum waxes – Determination of congealing point*
- ISO 2908:1974 *Petroleum waxes – Determination of oil content*
- ISO 3841:1977 *Petroleum waxes – Determination of the melting point (cooling curve)*
- ISO 6295:1983 *Petroleum products – Mineral oils – Determination of interfacial tension of oil against water – Ring method*

ISO/TC 28/AG Resolution 8 ISO 6616

The ISO/TC 28/AG recommends that ISO/DIS 6616 *Petroleum products – Determination of distillation characteristics at reduced pressures*, is NOT balloted for reinstatement onto the ISO/TC 28 work programme, and that CEN/TC 19 considers developing a European standard if a test method on this subject is required for CEN specifications.

ISO/TC 28/AG Resolution 9 Study list

Pending agreement on an MoU between ISO/TC 28, ASTM D02 and CEN/TC 19, the ISO/TC 28AG recommends that the following items be placed on a study list in order to determine whether there is duplication of effort between ISO/TC 28 and ASTM D02:

- ISO 3013:1997 *Petroleum products – Determination of the freezing point of aviation fuels* (corresponding ASTM standard is D2386)
- ISO 3839:1996 *Petroleum products – Determination of bromine number of distillates and aliphatic olefins – Electrometric method* (corresponding ASTM standard is D1159)
- ISO 6250:1997 *Petroleum products – Determination of the water reaction of aviation fuels* (corresponding ASTM standard is D1094)
- ISO 6619:1988 *Petroleum products and lubricants – Determination of acid number – Potentiometric titration method* (corresponding ASTM standard is D664)
- ISO 7120:1987 *Petroleum products and lubricants – Petroleum oils and other fluids – Determination of rust-preventing characteristics in the presence of water* (corresponding ASTM standard is D665)
- ISO/DIS 9262 *Petroleum and related products – Determination of low temperature viscosity characteristics of automotive lubricants – Rotational viscometer method*, (corresponding ASTM standard is D2983)

ISO/TC 28/AG Resolution 10 ISO 8708

The ISO/TC 28/AG recommends that as ISO/DIS 8708 *Crude petroleum oil – Determination of distillation characteristics using 15 theoretical plate column*, is not referenced in any ISO/TC 28/SC 4 or CEN/TC 19 specifications (see 28 N 2196), the project is NOT balloted for reinstatement onto the work programme, and if necessary, for ASTM D2892 to be considered for reference in its place.

ISO/TC 28/AG Resolution 11 ISO 11013 and ISO 15269

The ISO/TC 28/AG recommends that as there are no longer project leaders available for the following projects, that they are NOT balloted for reinstatement onto the work programme:

- ISO/DIS 11013 *Quenching media – Evaluation of quenching ability of an industrial unit*
- ISO/CD 15269 *Industrial quenching oils – Determination of cooling characteristics – Silver probe test method*

ISO/TC 28/AG Resolution 12 ISO 3104

The ISO/TC 28/AG recommends for the revision of ISO 3104:1994 *Petroleum products – Transparent and opaque liquids – Determination of kinematic viscosity and calculation of dynamic viscosity*, to include precision data for fatty acid methyl esters (FAME), and notes that Ortwin Costenoble will send the precision data for FAME to the ISO 3104 project leader, Robert Manning.

ISO/TC 28/AG Resolution 13 Target dates

The ISO/TC 28/AG recommends that the following target dates are established for progressing the projects listed below:

- ISO/CD 6246 *Petroleum products – Gum content of light and middle distillate fuels – Jet evaporation method*, **Target date: 2003-03-01**
- ISO/CD 7536 *Petroleum products – Determination of oxidation stability of gasoline – Induction period method*, **Target date: 2003-06-01**
- ISO/NP-CD 15029-2 *Petroleum and related products – Determination of spray ignition characteristics of fire-resistant fluids – Part 2: Spray test – Stabilized flame heat release spray method*, **Target date: 2003-09-01**
- ISO/NP-CD 15029-3 *Petroleum and related products – Determination of spray ignition characteristics of fire-resistant fluids – Part 3: Spray test – Large scale method*, **Target date: 2003-09-01**

ISO/TC 28/AG Resolution 14 ISO 3837

The ISO/TC 28/AG recommends that ISO/CD 3837 *Liquid petroleum products – Determination of hydrocarbon types – Fluorescent indicator adsorption method*, should be allowed to be automatically cancelled from the work programme, and for ISO 3837:1993 to be proposed for withdrawal.

ISO/TC 28/AG Resolution 15 ISO 2977

The ISO/TC 28/AG recommends that with regard to ISO 2977:1997 *Petroleum products and hydrocarbon solvents – Determination of aniline point and mixed aniline point*, for:

- France and Germany to convey to ASTM D02 precision data obtained when using ISO 2977 so that further evaluation of the data can be carried out;
- ISO 2977:1997 to be confirmed; and
- to also be listed as a preliminary work item, so that a revision could be initiated, if warranted, in light of the results of the evaluation within ASTM D02 of the additional data.

ISO/TC 28/AG Resolution 16 ISO/TC 28 standards confirmed following systematic review in 2002

16.1 The ISO/TC 28/AG recommends that the following standards are confirmed:

- ISO 3013:1997 *Petroleum products – Determination of the freezing point of aviation fuels*
- ISO 3015:1992 *Petroleum products – Determination of cloud point*
- ISO 6250:1997 *Petroleum products – Determination of the water reaction of aviation fuels*
- ISO 6297:1997 *Petroleum products – Aviation and distillate fuels – Determination of electrical conductivity*
- ISO 8973:1997 *Liquefied petroleum gases – Calculation method for density and vapour pressure* (also consider simultaneous revision of ISO 7941 – see AG Resolution 22)
- ISO 11007:1997 *Petroleum products and lubricants – Determination of rust-prevention characteristics of lubricating greases*

16.2 And also agrees that they are listed on the work programme as preliminary work items (PWIs), so that the proposed revisions as given in the results of the 2002 systematic review (28 N 2171) can be further evaluated, and to determine whether any additional experts can be identified to participate in the proposed revisions.

16.3 The ISO/TC 28/AG further recommends that new work item proposal ballots be initiated on these items if members determine that the revisions should be progressed, and in order to convert them from PWIs to approved work items.

16.4 The ISO/TC 28/AG agrees that France submits the NP for the revision of ISO 8973.

ISO/TC 28/AG Resolution 17 ISO 5662

The ISO/TC 28/AG, noting the results of the systematic review (28 N 2171), and the discussion on the ISO/TC 28 scope being so wide that it has in the past led to an over ambitious work programme, recommends that ISO 5662:1997 *Petroleum products – Electrical insulating oils – Detection of corrosive sulfur*, is proposed for withdrawal.

ISO/TC 28/AG Resolution 18 ISO 6073

The ISO/TC 28/AG recommends that if the UK cannot identify a project leader by 2002-12-31 for ISO 6073:1997 *Petroleum products – Prediction of the bulk moduli of petroleum fluids used in hydraulic fluid power systems*, the standard should be proposed for withdrawal in accordance with Resolution 5.1 from the 2000 ISO/TC 28 meeting (see 28 N 2106).

ISO/TC 28/AG Resolution 19 ISO 12156-1

The ISO/TC 28/AG, recommends that the following action be taken by the ISO/TC 22/SC 7 ISO/TC 28 JWG on ISO 12156-1:1997 *Diesel fuel – Assessment of lubricity using the high-frequency reciprocating rig (HFRR) – Part 1: Test method*:

- To immediately progress an amendment to the standard to add the new reference fluids that are currently available; and for the proposed amendment to be balloted within both ISO committees;
- To initiate a full revision of the standard, and for the resulting ISO/CD to be balloted within both ISO committees.

ISO/TC 28/AG Resolution 20 ISO/TC 28, ASTM D02 and CEN/TC 19 MoU

The ISO/TC 28/AG recommends that ISO/TC 28 invite the ISO/TMB, the CEN/BT and ASTM D02 to formally endorse the memorandum of understanding (MoU) between ISO/TC 28, CEN/TC 19 and ASTM D02, as given below:

"ISO/TC 28 on Petroleum Products and Lubricants, CEN/TC 19 on Petroleum Products, Lubricants and Related Products and ASTM International Committee D02 on Petroleum Products and Lubricants all recognize a need to reduce the duplication of standards development activities. This duplication can create marketplace confusion and dilute the efforts of the volunteer and staff resources of the committees involved.

Therefore ISO/TC 28, ASTM D02 and CEN/TC 19 agree to:

Cooperate to minimize the development of standards where existing, market relevant standards fulfill the needs of the international community.

Cooperate in the development of new standards where existing, market relevant standards are not available to fulfill the needs of the international community.

Identify duplicate standards and take proactive steps to create one standard."

ISO/TC 28/AG Resolution 21 Review of preliminary work items

The ISO/TC 28/AG recommends that the following preliminary work items are not progressed as new work item proposals, and are deleted from the work programme:

- *Petroleum products – Distillation of residual petroleum at very low pressure*, and for consideration to be given to referencing the corresponding ASTM standard, D5236, if required.
- Revision of ISO 6295 *Petroleum products – Mineral oils – Determination of interfacial tension of oil against water – Ring method*, and for consideration to be given to referencing the corresponding ASTM standard, D971, if required.

ISO/TC 28/AG Resolution 22 ISO 7941 and ISO 8973

The ISO/TC 28/AG recommends that a new work item proposal is submitted by the Project Leader to revise ISO 7941 *Commercial propane and butane – Analysis by gas chromatography*, and for consideration to be given to carrying out a simultaneous revision of ISO 8973:1997 *Liquefied petroleum gases – Calculation method for density and vapour pressure* (see AG Resolution 16).

ISO/TC 28/AG Resolution 23 ISO standard using high efficiency open tubular gas chromatography

The ISO/TC 28/AG, noting that ASTM standards D6729, D6730 and D6733 are available, recommends that a new work item proposal ballot is NOT initiated on the French proposal for:

Petroleum products – Determination of individual components and groups of components in gasoline by high efficiency open tubular gas chromatography – Part X: Detailed characteristics of hydrocarbons in spark-ignition engine fuels.

ISO/TC 28/AG Resolution 24 Automatic dropping point of lubricating grease

The ISO/TC 28/AG recommends that a new work item proposal ballot is NOT initiated on the UK proposal for:

Petroleum and related products – Determination of dropping point of lubricating grease – Automatic method,

and further recommends that ISO/TC 28/SC 4/WG 7 consider IP 396 for reference in specifications for greases.

ISO/TC 28/AG Resolution 25 Viable microbial content of fuels

The ISO/TC 28/AG recommends that a new work item proposal ballot is NOT initiated on the UK proposal for:

Petroleum products – Determination of the viable microbial content of fuels and fuel components boiling below 390 °C – Filtration and culture method

and further recommends that IP 385 is referenced, if required.

ISO/TC 28/AG Resolution 26 Next AG meeting

The ISO/TC 28/AG agrees that it will next meet on 2003-06-20 during the ASTM D02 meeting week in Norfolk, Virginia, USA.