## **Bibliography**

- [1] EN 15940, Automotive fuels Paraffinic diesel fuel from synthesis or hydrotreatment Requirements and test methods
- [2] EN 14214, Liquid petroleum products Fatty acid methyl esters (FAME) for use in diesel engines and heating applications Requirements and test methods
- [3] EN 590, Automotive fuels Diesel Requirements and test methods
- [4] EN ISO 5165:1998, Petroleum products Determination of the ignition quality of diesel fuels Cetane engine method (ISO 5165:1998)
- [5] EN 15195:2007, Liquid petroleum products Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels by combustion in a constant volume chamber
- [6] EN 16906, Liquid petroleum products Determination of the ignition quality of diesel fuels BASF engine method
- [7] EN 17155, Liquid petroleum products Determination of indicated cetane number (ICN) of middle distillate fuels Primary reference fuels calibration method using a constant volume combustion chamber
- [8] EN ISO 3675:1998, Crude petroleum and liquid petroleum products Laboratory determination of density Hydrometer method (ISO 3675:1998)
- [9] EN ISO 12185:1996, Crude petroleum and petroleum products Determination of density Oscillating U-tube method (ISO 12185:1996)
- [10] EN ISO 2719:2016, Determination of flash point Pensky-Martens closed cup method (ISO 2719:2016)
- [11] EN ISO 3104:2020, Petroleum products Transparent and opaque liquids -Determination of kinematic viscosity and calculation of dynamic viscosity (ISO 3104:2020)
- [12] ISO 23581, Petroleum products and related products Determination of kinematic viscosity Method by Stabinger type viscosimeter
- [13] EN ISO 3405:2019, Petroleum and related products from natural or synthetic sources Determination of distillation characteristics at atmospheric pressure (ISO 3405:2019)
- [14] EN ISO 3924, Petroleum products Determination of boiling range distribution Gas chromatography method (ISO 3924)
- [15] EN 17306, Liquid petroleum products Determination of distillation characteristics at atmospheric pressure Micro-distillation
- [16] EN ISO 12156-1:2016, Diesel fuel Assessment of lubricity using the high-frequency reciprocating rig (HFRR) Part 1: Test method (ISO 12156-1:2016)
- [17] EN 14078:2014, Liquid petroleum products Determination of fatty acid methyl ester (FAME) content in middle distillates Infrared spectrometry method

- [18] EN 12916:2019+A1:2022, Petroleum products Determination of aromatic hydrocarbon types in middle distillates High performance liquid chromatography method with refractive index detection
- [19] EN ISO 20846:2019, Petroleum products Determination of sulfur content of automotive fuels Ultraviolet fluorescence method (ISO 20846:2019)
- [20] EN ISO 20884:2019, Petroleum products Determination of sulfur content of automotive fuels Wavelength-dispersive X-ray fluorescence spectrometry (ISO 20884:2019)
- [21] EN ISO 10370:2014, Petroleum products Determination of carbon residue Micro method (ISO 10370:2014)
- [22] EN ISO 6245:2002, Petroleum products Determination of ash (ISO 6245:2001)
- [23] EN ISO 12937:2000, Petroleum products Determination of water Coulometric Karl Fischer titration method (ISO 12937:2000)
- [24] EN 12662:2014, Liquid petroleum products Determination of total contamination in middle distillates, diesel fuels and fatty acid methyl esters
- [25] EN ISO 2160:1998, Petroleum products Corrosiveness to copper Copper strip test (ISO 2160:1998)
- [26] EN ISO 12205:1996, Petroleum products Determination of the oxidation stability of middle-distillate fuels (ISO 12205:1995)
- [27] EN 15751:2014, Automotive fuels Fatty acid methyl ester (FAME) fuel and blends with diesel fuel Determination of oxidation stability by accelerated oxidation method
- [28] EN 16091, Liquid petroleum products Middle distillates and fatty acid methyl ester (FAME) fuels and blends Determination of oxidation stability by rapid small scale oxidation test (RSSOT)
- [29] EN 116:2015, Diesel and domestic heating fuels Determination of cold filter plugging point Stepwise cooling bath method
- [30] EN 16329, Diesel and domestic heating fuels Determination of cold filter plugging point Linear cooling bath method
- [31] EN ISO 3015:2019, Petroleum and related products from natural or synthetic sources-Determination of cloud point (ISO 3015:2019)
- [32] EN ISO 22995, Petroleum products Determination of cloud point Automated step-wise cooling method (ISO 22995)
- [33] EN 16576:2014, Automotive fuels Determination of manganese and iron content in diesel Inductively coupled plasma optical emission spectrometry (ICP OES) method
- [34] EN 15195:2023, Liquid petroleum products Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels by combustion in a constant volume chamber
- [35] ASTM D341, Standard Practice for Viscosity-Temperature Equations and Charts for Liquid Petroleum or Hydrocarbon Products

- [36] D. Goberdhan and R. Hunt, Exploiting the Understanding of Diesel Fuel Solvency to Improve Low Temperature Properties as Exemplified for the Korean Market, JSAE 20159313, SAE 2015-01-1921
- [37] Velaers A., de Goede S., Woolard C., Burnham R. Injector Fouling Performance and Solubility of GTL Diesel Dosed with Zinc. *SAE Int. J. Fuel Lubr*. 2013, 6 (1). DOI:10.4271/2013-01-1697
- [38] ASTM D6078-04 Rev A-16, Standard Test Method for Evaluating Lubricity of Diesel Fuels by the Scuffing Load Ball-on-Cylinder Lubricity Evaluator (SLBOCLE)
- [39] Lehto K., Vepsäläinen A., Kiiski U., Kuronen M. Diesel Fuel Lubricity Comparisons with HFRR and Scuffing, Load Ball-on-Cylinder Lubricity Evaluator Methods. *SAE Int. J. Fuel Lubr.* 2014, 7 (3). DOI:10.4271/2014-01-2761
- [40] EN 12916:2000, Petroleum products Determination of aromatic hydrocarbon types in middle distillates High performance liquid chromatography method with refractive index detection
- [41] SS 155116, Petroleum products Determination of aromatics in diesel fuel Mono- and dicyclic aromatic compounds and PAH
- [42] EN 12916:2006, Petroleum products Determination of aromatic hydrocarbon types in middle distillates High performance liquid chromatography method with refractive index detection
- [43] UOP 495, Aromatics in Molex Process n-Paraffin Products by Ultraviolet Spectrophotometry
- [44] IP 548-07, Determination of aromatic hydrocarbon types in middle distillates High performance liquid chromatography method with refractive index detection
- [45] ASTM D6591-06, Standard Test Method for Determination of Aromatic Hydrocarbon Types in Middle Distillates High Performance Liquid Chromatography Method with Refractive Index Detection
- [46] CEN/TC 19 ILS report 2022-301, ILS report on EN 12916 Procedure B, application to paraffinic diesel
- [47] Directive 2009/30/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 98/70/EC relating to the quality of petrol and diesel fuels and amending Council Directive 93/12/EEC
- [48] CEN/TR 15367-1:2020, Petroleum products Guidelines for good housekeeping Part 1: Automotive diesel fuels
- [49] CEN/TR 17548:2020, Automotive fuels Diesel fuel market issues Abrasive particles investigation report
- [50] Journal of ASTM International, Vol. 6, No. 10 Paper ID JAI102579 Available online at <a href="https://www.astm.org">www.astm.org</a>
- [51] EN 14112:2016, Fat and oil derivatives Fatty Acid Methyl Esters (FAME) Determination of oxidation stability (accelerated oxidation test)
- [52] An Overview of the Production, Properties, and Exhaust Emissions Performance of Sasol Slurry Phase Distillate Diesel Fuel, P.W. SCHABERG, P.M. MORGAN, I.S. MYBURGH, P.N.J. ROETS, AND J.J. BOTHA

- [53] CEN/TR 16982, Diesel blends and fuels Cold filterability issues
- [54] EN 16942:2016+A1:2021, Fuels Identification of vehicle compatibility Graphical expression for consumer information
- [55] CEN/TR 15367-3:2009, Petroleum products Guide for good housekeeping Part 3: Prevention of cross contamination
- [56] ASTM D1159, Standard Test Method for Bromine Numbers of Petroleum Distillates and Commercial Aliphatic Olefins by Electrometric Titration
- [57] Lamprecht, D. Elastomer compatibility of blends of biodiesel and Fischer-Tropsch diesel. SAE Technical Paper Series, 2007-01-0029, 2007
- [58] ASTM D471, Standard Test Method for Rubber Property Effect of Liquids
- [59] ASTM D613 Rev A-16, Standard Test Method for Cetane Number of Diesel Fuel Oil
- [60] EN 15195:2014, Liquid petroleum products Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels by combustion in a constant volume chamber
- [61] ASTM D6890-12, Standard Test Method for Determination of Ignition Delay and Derived Cetane Number (DCN) of Diesel Fuel Oils by Combustion in a Constant Volume Chamber
- [62] DIN 51773:2010, Testing of liquid fuels Determination of ignition quality (cetane number) of Diesel fuels with the BASF engine
- [63] EN 16144:2012, Liquid petroleum products Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels Fixed range injection period, constant volume combustion chamber method
- [64] IP 567, Determination of derived cetane number (DCN) of middle distillate fuels Fixed range injection period, constant volume combustion chamber method
- [65] Assessment for checking the applicability of several petroleum related test methods for paraffinic diesel fuels and components, CEN/TC 19 RRT report number 400-430, 2013, available from CEN/TC 19 Secretariat, NEN, the Netherlands, energy@nen.nl
- [66] EN ISO 4259:2006, Petroleum products Determination and application of precision data in relation to methods of test (ISO 4259:2006)
- [67] EN 16329:2013, Diesel and domestic heating fuels Determination of cold filter plugging point Linear cooling bath method
- [68] EN 23015:1994, Petroleum products Determination of cloud point (ISO 3015:1992)