Organisme belge d'Accréditation
Belgische Accreditatieinstelling
Belgische Akkreditierungsstelle
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EA MLA Signatory

Annexe au certificat d'accréditation
Bijlage bij accreditatiecertificaat
Annex to the accreditation certificate
Beilage zur Akkreditierungszertifikat

594-TEST

EN ISO/IEC 17025:2017

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Validité / Geldigheidsperiode / Validity / Gültigkeitsdauer	2025-05-31 - 2030-01-11

Maureen Logghe
La Présidente du Bureau d'Accréditation
Voorzitster van het Accreditatiebureau
Chair of the Accreditation Board
Vorsitzende des Akkreditierungsbüro

L'accréditation est délivrée à / De accreditatie werd uitgereikt aan
The accreditation is granted to / Die akkreditierung wurde erteilt für:

Eurofins BfB Oil Research SA
Rue Phocas Lejeune 10
Parc Scientifique
5032 Gembloux

Numéro d'entreprise / Ondernemingsnummer / Enterprise number / Unternehmensnummer:
0453.766.394

Sites d'activités / Activiteitencentra / Sites of activities / Standorte mit aktivitäten:

Research & Control Laboratory	Parc Scientifique Crealys Rue Phocas Lejeune 10 5032 Gembloux

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Test code **(reference of the internal test procedure (if relevant) or other unique identifier for the activity)**	**Product/ Matrix**	**Measured property/ parameter** **(type of test)**	**Reference to test method** **(reference of the standardised method, reference of the kit, reference of the derived or in houde method)**	**Test or measurement principle/measurement technique**
Analytics and performance				
PT-LAB/004	2 – 4	Closed-cup flash point Pensky-Martens	ISO 2719 (Méthode A)	Measurement of the lowest temperature at which vapors emitted from a product contained in a closed vessel and gradually heated ignite in the presence of a flame
PT-LAB/005	2 – 4	Carbon Residue (Micro Method)	ISO 10370	Pyrolysis and weighing of the carbonaceous deposit
PT-LAB/007	1 – 2	Distillation Characteristics	ISO 3405	Atmospheric pressure distillation of a given test sample
PT-LAB/019	1	Calculated Equivalent Dry Vapor Pressure (CEDVP)	EN 13016 - 1	Determination of the pressure obtained at a given temperature after injecting an air-saturated sample of the test product into a measurement cell
PT-LAB/058	4	Water Separation Characteristics of Oils and Synthetic Fluids	ISO 6614	Paddle agitation for a given time of a mixture of the test product and distilled water, followed by measurement of the volume and the time required for the emulsion to separate
PT-LAB/060	4	Viscosité Brookfield	ASTM D 2983 (Méthode A)	Determination of the low shear rate viscosity of automotive lubricating fluids within a temperature range of +5°C to −40°C using the Brookfield viscometer

PT-LAB/103	4	Foaming Characteristics	ISO 6247	Measurement of the foam volume obtained when the test product, maintained at a defined temperature, is subjected to air sparging at a constant flow rate for a given time
PT-LAB/131	2	Determination of Aromatic Hydrocarbon Groups in Middle Distillates	EN 12916	Separation and quantification by high-performance liquid chromatography with a refractive index detector
PT-LAB/138	1 – 2	Determination of density	ISO 12185	Determination of density using a device equipped with an oscillating U-tube sensor
PT-LAB/140	2	Fatty acid methyl ester (FAME) content	EN 14078	Determination of the FAME content by infrared absorption spectrometry
PT-LAB/009	4	Cleveland open cup flash point	ISO 2592	Measurement of the lowest temperature at which the passage of the flame causes the ignition of vapors above the surface of the liquid
PT-LAB/012	2	Cold filter plugging point (CFPP)	EN 116	Measurement of the temperature at which the test product ceases to pass through a filter when cooled under standardized conditions
PT-LAB/023	2	Cloud point	ISO 3015	Measurement of the temperature at which the first appearance of turbidity is observed at the bottom of the test tube
PT-LAB/024	2 – 4	Mechanical shear stability of polymer-containing lubricating oils	ISO 3016 NF T 60-105	Measurement of the lowest temperature at which the flow of the test product is observed when cooled at 3°C intervals
PT-LAB-048	4	Oxidation of engine oils in the presence of biodiesel fuel	CEC-L-14	Determination of viscosity loss due to shear in lubricants by subjecting the sample to high shear conditions in a diesel needle injection nozzle
PT-LAB-050	4	Oxidation of engine oils in the presence of biodiesel fuel	CEC-L-109	Preventive protection against the consequences of engine oil oxidation induced by biodiesel fuel
PT-LAB-051	4	Elastomer-oil compatibility	CEC-L-112	Estimation based on the relative variation of tensile strength, elongation at break, and volume parameters of test specimens before and after immersion in the test oil

Environment				
PT-LAB/045	6	Ultimate aerobic biodegradability of organic compounds	ISO 9439 OECD 301B	Determination of the biodegradability of organic compounds by aerobic microorganisms using a static aqueous test system, followed by measurement of the released carbon dioxide
PT-LAB/119	6 - 7	Freshwater algae growth inhibition test with unicellular green algae	ISO 8692 OECD 201	Determination of the effects on algae growth in response to the test substance. Inhibition is quantified by the reduction in the specific growth rate
PT-LAB/120	6 - 7	Determination of the inhibition of mobility in *Daphnia magna* Straus (Cladocera, Crustacea) – Acute toxicity test	ISO 6341 OECD 202	Determination of the initial concentration that immobilizes 50% of *Daphnia magna* exposed within 24 or 48 hours

Definition of product categories – Nature of samples:

P 1: Gasoline
P 2: Heating and road diesel fuel
P 4: New and used lubricating oils
P 6: Organic compounds
P 7: Inorganic compounds

** For the ISO standards mentioned, the laboratory also has expertise in the corresponding EN ISO, NBN EN ISO and/or NBN ISO standard, if relevant and insofar as its content is identical to that of the ISO standard. If, during a transition period, the new version of the ISO has not yet been adopted by the EN and/or NBN, the old version of the EN ISO, NBN EN ISO and/or NBN ISO standard may still be used.*

For the EN standards mentioned, the laboratory also has a good understanding of the corresponding NBN EN standard, if relevant and to the extent that its content is identical to that of the ISO standard mentioned. If, during a transition period, the new version of the EN standard has not yet been adopted by the NBN, the old version of the NBN EN standard may still be used.