**LUBRICANTS and OILS**

**PROFICIENCY TESTS**

**for 2023 (January – December)**

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| --- | --- | --- | --- | --- |
| **LUBRICANTS and OILS** | | | | |
| **Proficiency Testing Scheme** | **Provisional Scope \*)** | **ID of PT** | **Final registration date** | **Sample dispatch date** |
| Base Oil | Total Acid Number, Air Release time, Color ASTM, Conradson and Ramsbottom Carbon Residue, Density, Evaporation loss by Noack, Flash Point C.O.C., Kinematic Viscosity (40 and 100°C), Viscosity Index, Kinematic Viscosity Stabinger (40 and 100°C), Pour Point, Rust Prevention, Sulfur, Water and Water Separability. | iis23L03 | 7 Apr 2023 | 19 Apr 2023 |
| Engine Oil (fresh) | Total Acid Number, Base Number, Color ASTM, Conradson and Ramsbottom Carbon Residue, Density, Evaporation loss by Noack, Flash Point (C.O.C. and PMcc), Foaming Characteristics, Kinematic Viscosity (40 and 100°C), Viscosity Index, Viscosity Stabinger (40 and 100°C), Viscosity Apparent (CCS), Viscosity HTHS, Nitrogen, Pour Point, Sulfated Ash, Sulfur, Water and some elements (Ca, P and Zn). | iis23L07 | 28 Apr 2023 | 10 May 2023 |
| Engine Oil (used) | The regular sample is available for: Total Acid Number, Base Number, Density, Flash Point PMcc, Fuel Dilution, Kinematic Viscosity (40 and 100°C), Viscosity Index, Kinematic Viscosity Houillon and Water. | iis23L08 | 28 Apr 2023 | 10 May 2023 |
| Engine Oil (used) Metals | A separate sample is available for metal analysis only (23 elements). | iis23L08M | 28 Apr 2023 | 10 May 2023 |
| Level of Contamination in Lubricants | A special sample for Level of Contamination. | iis23L15 | 28 Apr 2023 | 10 May 2023 |
| Gear Oil (fresh) | Total Acid Number, Copper Corrosion, Density, Flash Point (C.O.C. and PMcc), Foaming Characteristics, Kinematic Viscosity (40 and 100°C), Viscosity Index, Pour Point, Rust Prevention, Sulfur, Water, Water Separability and some elements (Ca, P and Zn). | iis23L01 | 3 Feb 2023 | 15 Feb 2023 |
| Gear Oil (used) | Total Acid Number, Density, Flash Point PMcc, Kinematic Viscosity (40 and 100°C), Viscosity Index, Membrane Filtration, Water and over 20 elements. | iis23L02 | 3 Feb 2023 | 15 Feb 2023 |
| Grease | Tests from the specification ASTM D4950 profile and other tests: Cone Penetration, Copper Corrosion, Dropping Point, Extreme-Pressure Properties (four-ball method), Roll Stability Penetration Change, Water, Water Preventive Characteristics and over  10 elements. | iis23L06 | 7 Apr 2023 | 19 Apr 2023 |
| Hydraulic Oil (fresh) | Total Acid Number, Copper Corrosion, Density, Flash Point PMcc, Foaming Characteristics, Kinematic Viscosity (40 and 100°C), Viscosity Index, Viscosity Stabinger (40 and 100°C), Pour Point, Sulfur, Water, Water Separability and some elements (Ca, P and Zn). | iis23L09 | 29 Sep 2023 | 11 Oct 2023 |
| Hydraulic Oil (used) | The regular sample is available for: Total Acid Number, Density, Flash Point PMcc, Kinematic Viscosity (40 and 100°C), Viscosity Stabinger (40 and 100°C), Sulfur and Water. | iis23L10 | 29 Sep 2023 | 11 Oct 2023 |
| Hydraulic Oil (used) Metals | A separate sample is available for metal analysis only (23 elements). | iis23L10M | 29 Sep 2023 | 11 Oct 2023 |

**LUBRICANTS and OILS**

**PROFICIENCY TESTS**

**for 2023 (January – December)**

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| **LUBRICANTS and OILS** | | | | |
| **Proficiency Testing Scheme** | **Provisional Scope \*)** | **ID of PT** | **Final registration date** | **Sample dispatch date** |
| PCBs in Mineral Oil | Individual congeners Polychlorinated Biphenyls, Aroclors and Total Organohalogenic Compounds (TOX) as Cl. | iis23L13 | 20 Oct 2023 | 1 Nov 2023 |
| Transformer Oil (fresh) | Tests from the IEC60296 and ASTM D3487 profiles and other tests: Total Acidity, Appearance, Breakdown Voltage, Color ASTM, Density, Di-electric Dissipation Factor, Specific Resistance, Flash Point (C.O.C. and PMcc), Interfacial Surface Tension, Kinematic Viscosity at 40°C, Water and some additives. | iis23L11 | 20 Oct 2023 | 1 Nov 2023 |
| Transformer Oil (used) | The regular sample is available for: tests from the IEC60296 and ASTM D3487 profiles and other tests: Total Acidity, Breakdown Voltage, Density, Di-electric Dissipation factor, Specific Resistance, Flash Point (C.O.C. and PMcc), Interfacial Surface Tension, Kinematic Viscosity at 40°C and Water. | iis23L12 | 20 Oct 2023 | 1 Nov 2023 |
| Transformer Oil (used) Furanics | A separate sample is available for Furanic analysis only. | iis23L12F | 20 Oct 2023 | 1 Nov 2023 |
| Transformer Oil DGA | Dissolved gas analysis. Syringe of 50mL only. | iis23L14 | 30 Aug 2023 | 1 Nov 2023 |
| Turbine Oil (fresh) | Total Acid Number, Air Release time, Density, Flash Point C.O.C., Foaming Characteristics, Kinematic Viscosity (40 and 100°C), Viscosity Index, Pour Point, Sulfur, Water, Water Separability and some elements (Ca, P and Zn). | iis23L04 | 7 Apr 2023 | 19 Apr 2023 |
| Turbine Oil (used) | Total Acid Number, Color ASTM, Density, Flash Point C.O.C., Insoluble Color Bodies, Kinematic Viscosity (40 and 100°C), Viscosity Index, Oxidation Stability, Water, Water Separability and Level of Contamination. | iis23L05 | 7 Apr 2023 | 19 Apr 2023 |

\*) To see the actual scopes of all previous PTs, you may be interested to download the available PT reports from the ‘News and Reports’ on iis website www.iisnl.com.

**LUBRICANTS and OILS Registration Form**

Please use this form to enroll in the proficiency test (PT) program 2023 of the Institute for Interlaboratory Studies or use the electronic form at www.iisnl.com.

Please return this form to:  
Institute for Interlaboratory Studies  
Attention to ing. R.J. Starink  
P.O. Box 200, 3200 AE Spijkenisse, The Netherlands  
e-mail to: nl.iis@sgs.com

**2023 program**

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| --- | --- | --- | --- | --- | --- | --- |
| Tick to order participation | ID of PT | Final registration date | Participation costs, excluded transport, etc.  \*) | | Tick to order Certificate of Performance | Price, sub total |
|  |  |  | **each** | **set price** | **each €20** |  |
| ○ | iis23L01 | 3 February 2023 | € 350 |  | ○ |  |
| ○ | iis23L02 | 3 February 2023 | € 350 |  | ○ |  |
| ○ | iis23L03 | 7 April 2023 | € 350 |  | ○ |  |
| ○ | iis23L04 | 7 April 2023 | € 350 |  | ○ |  |
| ○ | iis23L05 | 7 April 2023 | € 350 |  | ○ |  |
| ○ | iis23L06 | 7 April 2023 | € 350 |  | ○ |  |
| ○ | iis23L07 | 28 April 2023 | € 350 |  | ○ |  |
| ○ | iis23L08 | 28 April 2023 | € 350 | € 445 | ○ |  |
| ○ | iis23L08M | 28 April 2023 | € 350 | ○ |
| ○ | iis23L15 | 28 April 2023 | € 350 |  | ○ |  |
| ○ | iis23L09 | 29 September 2023 | € 350 |  | ○ |  |
| ○ | iis23L10 | 29 September 2023 | € 350 | € 445 | ○ |  |
| ○ | iis23L10M | 29 September 2023 | € 350 | ○ |
| ○ | iis23L11 | 20 October 2023 | € 350 |  | ○ |  |
| ○ | iis23L12 | 20 October 2023 | € 350 | € 445 | ○ |  |
| ○ | iis23L12F | 20 October 2023 | € 350 | ○ |
| ○ | iis23L13 | 20 October 2023 | € 350 |  | ○ |  |
| ○ | iis23L14 | \*\*) 30 August 2023 | € 600 |  | ○ |  |

\*) Besides transport costs, other costs may be applicable, see ‘Overview of Costs’. All prices are in Euro and excluding VAT.

**\*\*) Please understand that the final registration date for this PT is set on August 30, 2023. Syringes have to be ordered timely by iis.**

The undersigned agrees with the corresponding fees (see costs overview in separate form) and our General Terms and Conditions (documents available on request or via www.iisnl.com).

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| Lab code  (when available): |  | Date: |  |
| Company name: |  | City and Country: |  |
| Name of contact person: Mr. / Mrs. |  | Name of authorized manager: Mr. / Mrs. |  |

Please complete also the contact, delivery and invoice details on the “Contact Details” form.