**LUBRICANTS and OILS PROFICIENCY TESTS**

 **for 2021 (January – December)**

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| **LUBRICANTS and OILS** |
| **Proficiency Testing Scheme** | **Provisional Scope \*)** | **ID of PT** | **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, Viscosity Stabinger (40 and 100°C), Pour Point, Rust Prevention, Sulfur, Water and Water Separability. | iis21L03 | 21 April 2021 |
| 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., Foaming Characteristics, Kinematic Viscosity (40 and 100°C), Viscosity Index, Viscosity Stabinger (40 and 100°C), Viscosity Apparent (CSS), Viscosity HTHS, Nitrogen, Pour Point, Sulfated Ash, Sulfur, Water and some elements (Ca, P and Zn). | iis21L07 | 12 May 2021 |
| 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. A separate sample is available for over 20 elements (iis21L08M). | iis21L08 | 12 May 2021 |
| iis21L08M | 12 May 2021 |
| 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, Level of Contamination and some elements (Ca, P and Zn). | iis21L01 | 24 February 2021 |
| Gear Oil (used) | Total Acid Number, Density, Flash Point PMcc, Kinematic Viscosity (40 and 100°C), Viscosity Index, Membrane Filtration, Water, Level of Contamination and over 20 elements. | iis21L02 | 24 February 2021 |
| 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 and over 10 elements. | iis21L06 | 21 April 2021 |
| 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). | iis21L09 | 6 October 2021 |
| 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, Water and Level of Contamination.A separate sample is available for over 20 elements (iis21L10M).  | iis21L10 | 6 October 2021 |
| iis21L10M | 6 October 2021 |
| Mineral Oil PCBs | Individual congeners Polychlorinated Biphenyls, Aroclors and Total Chloride. | iis21L13 | 27 October 2021 |

**LUBRICANTS and OILS PROFICIENCY TESTS**

 **for 2021 (January – December)**

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| **LUBRICANTS and OILS** |
| **Proficiency Testing Scheme** | **Provisional Scope \*)** | **ID of PT** | **Sample dispatch date** |
| 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. | iis21L11 | 27 October 2021 |
| 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. A separate sample is available for Furanic components (iis21L12F). | iis21L12 | 27 October 2021 |
| iis21L12F | 27 October 2021 |
| Transformer Oil DGA | Dissolved gas analyses. Syringe of 50mL only. | iis21L14 | 27 October 2021  |
| 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). | iis21L04 | 21 April 2021 |
| 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.  | iis21L05 | 21 April 2021 |

\*) 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.

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| **LUBRICANTS and OILS REFERENCE MATERIAL** |
| **Reference Material** | **Certified Values**  | **ID of Ref** | **Unit amount** |
| Engine Oil (used) | Wear metals and Phosphor: Al, Ba, Ca, Cr, Cu, Mg, P, Zn. | LO-010698 | 10 mL |

**LUBRICANTS and OILS Registration Form**

Please use this form to enroll in the proficiency test (PT) program 2021 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 (or fax to: +31 181 69 45 43)

**2021 program**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Tick to order participation | ID of PT | Sample dispatch date | Participation costs, excluded transport, etc. \*) | Tick to order Certificate of Performance  | Tick to order hard copy report \*\*) | Price, sub total |
|  |  |  | **each** | **set price** | **each €18** | **each €35** |  |
| ○ | iis21L01 | 24 February 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L02 | 24 February 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L03 | 21 April 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L04 | 21 April 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L05 | 21 April 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L06 | 21 April 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L07 | 12 May 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L08 | 12 May 2021 | € 330 | € 425 | ○ | ○ |  |
| ○ | iis21L08M | 12 May 2021 | € 330 | ○ |
| ○ | iis21L09 | 6 October 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L10 | 6 October 2021 | € 330 | € 425 | ○ | ○ |  |
| ○ | iis21L10M | 6 October 2021 | € 330 | ○ |
| ○ | iis21L11 | 27 October 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L12 | 27 October 2021 | € 330 | € 425 | ○ | ○ |  |
| ○ | iis21L12F | 27 October 2021 | € 330 | ○ |
| ○ | iis21L13 | 27 October 2021 | € 330 |  | ○ | ○ |  |
| ○ | iis21L14 | 27 October 2021 | € 540 |  | ○ | ○ |  |

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

\*\*) PT report will be sent by email only. If you would like to receive a hard copy report please order the report timely. Hard copy PT report will be send by courier (send costs € 95).

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.

**LUBRICANTS Reference Materials Order Form**

Please use this form to order Reference Materials 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 (or fax to: +31 181 69 45 43)

**2020/2021 program**

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| Reference Material and Certificate of Analysis, price per unit | Certification reports, price per report |
| 1 - 3 units | € 155 | € 35 |
| 4 - 7 units | € 130 | € 30 |
| > 7 units | € 105 | € 25 |

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| --- | --- | --- | --- | --- | --- | --- |
| Tick to order Reference Material | Reference Material | ID of Ref | Unit amount | Number of units | Tick to order Certification report \*\*) | Price, sub total \*) |
| ○ | Engine Oil (used) | LO-010698 | 10 mL |  | ○ |  |

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

\*\*) You receive a one-page certificate as PDF with each reference material. You can order a certification report which describes the rationale about the certification. Please note that one certification report can be ordered per reference material ID, price of report depends on amount of units of material that is ordered.

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.