

Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the testing laboratory

Ravensberger Schmierstoffvertrieb GmbH
Jöllenecker Straße 2, 33824 Werther

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notices of 23.06.2023 with accreditation number D-PL-18751-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 4 pages.

Registration number of the accreditation certificate: **D-PL-18751-01-00**

Berlin, 23.06.2023

Dr.-Ing. Ernst Ulrich
Head of Technical Unit

Translation issued:
23.06.2023

Dr.-Ing. Ernst Ulrich
Head of Technical Unit

The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).

Deutsche Akkreditierungsstelle GmbH

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Spittelmarkt 10
10117 Berlin

Office Frankfurt am Main
Europa-Allee 52
60327 Frankfurt am Main

Office Braunschweig
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The Deutsche Akkreditierungsstelle GmbH (DAkKS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkKS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkKS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:

EA: www.european-accreditation.org

ILAC: www.ilac.org

IAF: www.iaf.nu

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-18751-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 23.06.2023

Date of issue: 23.06.2023

Holder of accreditation certificate:

**Ravensberger Schmierstoffvertrieb GmbH
Jöllenbecker Straße 2, 33824 Werther**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

chemical and physical-chemical testing of mineral oil and related products, selected characteristics of lubricating oils e.g. engine oils, automotive gear oils and hydraulic oils

Within the given test fields the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the following: usage of different versions of standard test methods granted here.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Annex to the Accreditation Certificate D-PL-18751-01-00

1. Engine oils

Test Method	Title	Process-Matrix-Number
DIN 51562-1 1999-01	Viscometry - Determination of kinematic viscosity using the Ubbelohde viscometer - Apparatus and measurement procedure	5.1.54
ASTM D 5293 2017	Standard Test Method for Apparent Viscosity of Engine Oils and Base Stocks Between -10°C and -35°C Using Cold-Cranking Simulator	5.1.173
DIN ISO 2909 2004-08	Petroleum products - Calculation of viscosity index from kinematic viscosity	5.1.171
DIN ISO 3016 2017-11	Petroleum oils - determination of pour point	5.1.79
ASTM D 2896 2015	Standard Test Method for Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration	
DIN ISO 2049 2001-06	Petroleum products - Determination of colour (ASTM scale)	5.1.26
DIN EN ISO 12185 1997-11	Crude petroleum and petroleum products - Determination of density - Oscillating U-tube method	5.1.22
DIN 51451 2004-09	Testing of petroleum products and related products - Analysis by infrared spectrometry - General working principles	5.1.166
ASTM D 5800a 2015	Standard Test Method for Evaporation Loss of Lubricating Oils by the Noack Method	

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2. Automotive gear oil

Test Method	Title	Process-Matrix-Number
DIN 51562-1 1999-01	Viscometry - Determination of kinematic viscosity using the Ubbelohde viscometer - Apparatus and measurement procedure	5.2.54
ASTM D 5800a 2015	Standard Test Method for Evaporation Loss of Lubricating Oils by the Noack Method	
DIN ISO 2909 2004-08	Petroleum products - Calculation of viscosity index from kinematic viscosity	5.2.171
DIN ISO 3016 2017-11	Petroleum oils - determination of pour point	5.2.79
DIN ISO 2049 2001-06	Petroleum products - Determination of colour (ASTM scale)	5.2.26
DIN EN ISO 12185 1997-11	Crude petroleum and petroleum products - Determination of density - Oscillating U-tube method	5.2.22
ASTM D 2896 2015	Standard Test Method for Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration	
DIN 51451 2004-09	Testing of petroleum products and related products - Analysis by infrared spectrometry - General working principle	5.2.166

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3. Hydraulic oil (HL, HLP, HVLP)

Test Method	Title	Process-Matrix-Number
DIN 51562-1 1999-01	Viscometry - Determination of kinematic viscosity using the Ubbelohde viscometer - Apparatus and measurement procedure	6.16.117
DIN EN ISO 12185 1997-11	Crude petroleum and petroleum products - Determination of density - Oscillating U-tube method	6.16.170
ASTM D 5800a 2015	Standard Test Method for Evaporation Loss of Lubricating Oils by the Noack Method	
DIN ISO 3016 2017-11	Petroleum oils - determination of pour point	6.16.79
DIN 51451 2004-09	Testing of petroleum products and related products - Analysis by infrared spectrometry - General working principles	6.16.166
DIN ISO 2049 2001-06	Petroleum products - Determination of colour (ASTM scale)	6.16.26

Abbreviations used:

ASTM	American Society for Testing and Materials
DIN	Deutsches Institut für Normung e.V.
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
Process-Matrix-Number	Number of the characteristics within the Process-Matrix for Mineral Oel (FO-Antrag GB_Mineralöl.xlsx, Vers. 1.1, 23.03.2022)

Valid from: 23.06.2023

Date of issue: 23.06.2023

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