

Current list of test methods within the flexible scope of accreditation

As a flexibly accredited test laboratory, we ensure that our technology and apply test standards always reflect the state of the art and call upon the latest international valid release version.

Due to the flexible scope of the accreditation (Category III) we are permitted to apply the standard test methods with the latest release version .Those are listed in Section 1-3.

The following list gives an overview of the **current test methods**

in the flexible scope according to the accreditation certificate

D-PL-18751-01-00 according to DIN EN ISO / IEC 17025-2018 from June 23, 2023.

1. Engine oils

DIN 53000-1	2023-07	Viscometry-Determination of kinematic viscosity using the Ubbelohde viscometer-Apparatus and measurement procedure
ASTM D 5293-20		Standard Test Method for Apparent Viscosity of Engine Oils and Base Stocks Between -10 °C and -35 °C Using Cold-Cranking Simulator
DIN ISO 2909	2004-08	Petroleum products - Calculation of viscosity index from kinematic viscosity
DIN ISO 3016	2019-09	Petroleum oils - determination of pour point
ASTM D 2896-21		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)
DIN EN ISO 12185	1997-11	Crude petroleum and petroleum products - Determination of density - Oscillating U-tube method
DIN 51451	2024-03	Testing of petroleum products and related products - Analysis by infrared spectrometry-General working principles
ASTM D 5800-20		Standard Test Method for Evaporation Loss of Lubricating Oils by the Noack Method

2. Automotive gear oils

DIN 53000-1	2023-07	Viscometry-Determination of kinematic viscosity
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FB 7.33.02L Flexible scope of accreditation

using the Ubbelohde viscometer-
Apparatus and measurement procedure

DIN ISO 2909	2004-08	Petroleum products - Calculation of viscosity index from kinematic viscosity
DIN ISO 3016	2019-09	Petroleum oils - determination of pour point
ASTM D 2896-21		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)
DIN EN ISO 12185	1997-11	Crude petroleum and petroleum products - Determination of density - Oscillating U-tube method
DIN 51451	2024-03	Testing of petroleum products and related products - Analysis by infrared spectrometry-General working principles
ASTM D 5800-20		Standard Test Method for Evaporation Loss of Lubricating Oils by the Noack Method

3. Hydraulic oils (HL, HLP, HVLP)

DIN 53000-1	2023-07	Viscometry-Determination of kinematic viscosity using the Ubbelohde viscometer- Apparatus and measurement procedure
DIN ISO 3016	2019-09	Petroleum oils - determination of pour point
DIN ISO 2049	2001-06	Petroleum products - Determination of colour (ASTM scale)
DIN EN ISO 12185	1997-11	Crude petroleum and petroleum products - Determination of density - Oscillating U-tube method
DIN 51451	2024-03	Testing of petroleum products and related products - Analysis by infrared spectrometry-General working principles
ASTM D 5800-20		Standard Test Method for Evaporation Loss of Lubricating Oils by the Noack Method