

List of all test methods in the flexible scope of accreditation in according to accreditation certificate D-PL-20281-01-00 in according to DIN EN ISO/IEC 17025:2018 of 03.12.2020 including all approved methods within the flexible scope in according to category III from the factory laboratory of Deutsche Ölwerke Lubmin GmbH.

Approval: 14.11.2022 Paul Runge

Standard	Version	Description	Testing Fields			use since (date)	flex.Acc. Category
			Engine oil	Gear oil	Hydraulic oil (HL, HLP, HVLP)		
ASTM	D 5293	2020	Standard Test Method for Apparent Viscosity of Engine Oils and Base Stocks Between -10°C and -35°C Using Cold-Cranking Simulator	X		21.08.2020	Kat. III
DIN ISO	2049	2001-06	Petroleum products - Determination of colour (ASTM scale)	X	X	11.06.2020	Kat. III
DIN EN ISO	12185	1997-11	Crude petroleum and petroleum products - Determination of density - Oscillating U-tube method	X	X	11.06.2020	Kat. III
DIN	51575	2016-06	Testing of mineral oils - Determination of sulfated ash	X		18.06.2020	Kat. III
DIN EN ISO	2592	2018-01	Petroleum products - Determination of flash and fire points - Cleveland open cup method	X	X	17.06.2020	Kat. III
ASTM	D 2983	2022	Standard Test Method for Low-Temperature Viscosity of Automatic Transmission Fluids, Hydraulic Fluids, and Lubricants using a Rotational Viscometer		X	01.09.2022	Kat. III
ASTM	D 5800	2021	Standard Test Method for Evaporation Loss of Lubricating Oil by the Noack Method	X	X	02.12.2021	Kat. III
ASTM	D 5481	2021	Standard Test Method for Measuring Apparent Viscosity at High-Temperature and High-Shear Rate by Multicell Capillary Viscometer	X		16.02.2021	Kat. III
DIN	51451	2020-02	Testing of petroleum products and related products - Analysis by infrared spectrometry - General working principles	X	X	17.06.2020	Kat. III
DIN	51562-1	1999-01	Viscometry - Measurement of kinematic viscosity by means of the Ubbelohde viscometer Part 1: Viscometer specification and measurement procedure	X	X	11.06.2020	Kat. III
DIN	51659-2	2017-02	Lubricants - Test methods Part 2: Determination of the kinematic viscosity of used lubricating oils by Stabinger viscometer	X	X	18.06.2020	Kat. III
ASTM	D 4684a	2020	Standard Test Method for Determination of Yield Stress and Apparent Viscosity of Engine Oils at Low Temperature	X		21.01.2021	Kat. III
DIN ISO	2909	2004-08	Petroleum products - Calculation of viscosity index from kinematic viscosity	X	X	11.06.2020	Kat. III
ASTM	D 2896	2021	Standard Test Method for Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration	X		14.01.2022	Kat. III
ASTM	D 7346	2015	Standard Test Method for No Flow Point and Pour Point of Petroleum Products and Liquid Fuels	X	X	11.06.2020	Kat. III
ASTM	D 7751	2016	Standard Test Method for Determination of Additive Elements in Lubricating Oils by EDXRF Analysis	X	X	22.09.2022	Kat. III
ISO	4406	2021-01	Hydraulic fluid power - Fluids - Method for coding the level of contamination by solid particles	X		16.02.2021	Kat. III