

# Deutsche Akkreditierungsstelle

## Annex to the Partial Accreditation Certificate D-PL-14121-06-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 11.01.2024

**Date of issue:** 11.01.2024

This annex is a part of the accreditation certificate D-PL-14121-06-00.

Holder of partial accreditation certificate:

**BASF SE**  
**Motorenprüfstand G-EVO/MI**  
**Carl-Bosch-Str. 38, 67056 Ludwigshafen**

with the location

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**Motorenprüfstand G-EVO/MI**  
**Carl-Bosch-Str. 38, 67056 Ludwigshafen**

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 they conform to the principles of DIN EN ISO 9001.

Tests in the fields:

**Testing of mineral oil and related products;**  
**Engine test methods**

*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>.*

Abbreviations used: see last page

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**This document is a translation. The definitive version is the original German annex to the accreditation certificate.**

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The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

**Engine test methods**

<b>Test method</b>	<b>Title</b>	<b>Process-Matrix-Number *)</b>
CEC F-005-93 2014-09	Inlet System Cleanliness Test with Mercedes Benz M 102 E Engine, Issue 12.2	<b>5.3.129</b>
TDG-F-005 2021-10	Inlet System Cleanliness Test with Mercedes Benz M 102 E Engine, Issue 12.2	-
CEC F-016-96 2021-07	Assessment of the Inlet Valve Sticking Tendency of Gasoline Fuels (The VW Waterboxer Gasoline Engine), Issue 6.1	<b>5.3.130</b>
CEC F-020-98 2023-10	Intake Valve Deposit Formation in Modern 4-Valve Gasoline Engine (Mercedes-Benz M 111 E 20 Engine), Issue 14.1	<b>5.3.131</b>
CEC F-023-01 2018-07	Procedure for Diesel Engine Injector Nozzle Coking Test (PSA XUD9A/L Engine), Issue 26	<b>5.3.132</b>
CEC L-53-95 2009-01	The Evaluation of Sludge Inhibition Qualities of Motor Oil in Gasoline Engines (Mercedes-Benz M 111 E 20 Engine), Issue 10.0	-
CEC F-098-08 2023-02	Direct Injection, Common Rail Diesel Engine Nozzle Coking Test (PSA DW10 Engine), Issue 11.2	<b>5.3.133</b>
ASTM D 6201 2004	Standard Test Method for Dynamometer Evaluation of Unleaded Spark-Ignition Engine Fuel for Intake Valve Deposit Formation	-
CEC F-110-16 2019-11	Direct Injection, Common Rail Diesel Engine IDID Test (PSA DW10C Engine), Issue 6	-
CEC F-110-23 2023-01	Direct Injection, Common Rail Diesel Engine IDID Test (PSA DW10C Engine), Issue 2	-
CEC L-108-19 2023-10	Pitting Test for Gear Lubricants, Issue 4	-

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Test method	Title	Process-Matrix- Number *)
TDG-F-113 2021-03	Test Development Group for injector fouling in a DISI engine	-

**Abbreviations used:**

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
ASTM	American Society for Testing and Materials
CEC	Coordinating European Council
DISI	Direct spark ignition engines
TDG	Test Development Group within CEC
Process-Matrix- Number	Property number of mineral oil matrix (FO-Antrag GB_Mineralöl.xlsx, Vers. 1.1, 23. März 2022)

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