



Press Release

ACEA Oil Sequences 2022

2nd May 2022

ACEA have released the new [2022 ACEA Heavy Duty oil sequences on the 1st of May 2022](#). New oil categories and new engine test hardware are adopted. ACEA E6-2016 and E9-2016 have been replaced by ACEA E8-2022 and ACEA E11-2022. ACEA E7 and ACEA E4 will remain, however new engine test hardware is adopted and test limits for existing tests have been revised.

The most significant change is the adoption of Daimler's new OM471 engine test hardware, which replaces the OM 501LA to assess piston cleanliness for ACEA E8-2022 and ACEA E4-2022. This OM 471 adoption entails a significant performance severity increase to cover the needs for extended oil drain intervals. The new OM 471 engine tests sets a new industry standard in terms of engine test severity and test duration of one month. This increased piston cleanliness performance is needed to cope with the significantly higher operating temperatures of the latest Euro VI HD engines using SCR systems, driven by Euro VI NOx emission legislation in combination with extended oil drain intervals.

For ACEA E7-2022, the Cat 1N has been adopted to replace the OM 501LA and for ACEA E11, the Cat C13 replaces the OM 501LA. The new OM 471 test is too severe for ACEA E7 oils, and for ACEA E11, alignment with API CK-4 was intended which explains the adoption of the Cat C13 for ACEA E11-2022. Grandfathering of OM 501LA data to demonstrate ACEA E4-2022, E7-2022 and E11-2022 piston cleanliness performance is allowed by ACEA.

Other significant changes are a severity increase for the CEC L-104 Biofuel piston cleanliness test for ACEA E8-2022 & E11-2022 and for the Mack T-12 engine wear test, limits for ACEA E8-2022 are now set to the higher ACEA E11-2022 limits. With the new adoptions and limit settings, the 2022 ACEA HD sequences are now more aligned with respectively MB 228.51 (ACEA E8-2022), API CI-4 (ACEA E7-2022) and API CK-4 (ACEA E11-2022).

If you have any further questions or remarks please contact:

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About ATIEL

[The Technical Association of the European Lubricants Industry \(ATIEL\)](#) is a non-for-profit association (ASBL) representing the combined knowledge and experience of leading European and international engine oil manufacturers and marketers.

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