

Company Lubrex
Brand Velocity Nano GTR
Product 5W30 ACEA C3, VW 504/507, MB 229.51 (approval)

Case No VLS010206

22/07/2024 This case was accepted by VLS

11/09/2025 The case concerned the product's compliance against ACEA C3-21, VW 504/507, Porsche C30 and MB 229.51 for which the HTHS specification limit is greater than or equal to 3.5mPa.s and the Noack volatility limit is < or equal to 10%.wt.

VLS accepted the case and procured and tested a sample of the product. The test results were as follows: HTHS 3.33mPa.s and for Noack 13.3%wt.

The test results were challenged by the Lubricant Marketer against their own test results undertaken by Intertek. The test house where VLS obtained its results did not have individual test method accreditation for the tests run so VLS procured another sample of the product for testing.

The second set of tests were all individually accredited. The tests were run by SGS for HTHS which returned a result of 3.32mPa.s, and Intertek for Noack which returned a result of 11.7%. VLS therefore found that the product was non-compliant against the performance claims made. These test results were consistent with previous tests results obtained by VLS, and those of the complainant.

ACEA C3-21 Specification Limit - High Temperature High Shear (HTHS): > or equal to 3.5 mPa.s

The sample was tested and a result of 3.32 mPa.s was obtained. This is below the specification limit and therefore the product is non-compliant.

VW 504.00/507.00 / Porsche C30 Specification Requirement - High Temperature High Shear (HTHS): > or equal to 3.5 mPa.s

The sample was tested and a result of 3.32 mPa.s was obtained. This is below the specification limit and is therefore non-compliant.

Mercedes Benz 229.51 Specification Requirement - Noack Volatility: 10.0 %wt maximum

The sample was tested and a value of 11.7 %wt. obtained which exceeds the specification limit and therefore the product is non-compliant.

Conclusion

The test results obtained indicate that the lubricant does not comply with ACEA C3, VW 504.00/507.00, Porsche C30 and MB 229.51 performance claims.

VLS will undertake a six-month review of the case in line with its stated process.