

Aurobay at Aachen: showcasing the future of hybrid engines

Aurobay will showcase its latest addition to their engine portfolio during Aachen Colloquium on Sustainable Mobility, by presenting the Spark Ignition 250 PS 2.0 I Miller engine.

The engine is set to enter production in Spring 2024. Developed in-house in Aurobay's home Sweden, this engine is a combined evolution of the MP (Otto) and LP (Miller) variants and part of the same two liter, 4-cylinder family.

Aurobay develops and produces world-class hybrid powertrain solutions for a global market. We are leading the way in innovation, offering engines compatible with non-mineral drop-in fuels. As a pioneering global supplier of propulsion technology, development services and contract & component manufacturing, we create value for customers and consumers by producing premium hybrid engines that already power millions of vehicles.

The new 250hp Miller engine represents a new milestone for our development capabilities: suitable for use in any vehicle platform, the MP Miller creates a benchmark in specific power levels for non-fuel-enriched spark ignition engines while retaining an excellent dynamic performance.

The engine's breathing properties are developed with carefully selected intake and exhaust valve lift duration and phasing, which are combined with a variable nozzle turbine (VNT) turbocharger. These provide beneficial conditions over the combustion system which also sees improvements. Enabled by the Miller cycle, the compression ratio is increased from 10.5 to 11.5. The intake ports set up the right amount of turbulence, and the injector spray orientation is refined to reduce cold engine particulate emissions.

The engine is also fitted with two different aftertreatment systems to meet all of the latest emissions regulations – SULEV30 PM1 (without GPF) and China 6b and Euro 6e-bis (with GPF).

Our colleague Mike Denny will host a presentation to introduce the MP Miller on **Tuesday, October 10th at 12:00 in the Berlin Hall.**

Everyone is welcome to visit Aurobay's booth, located right between the main entrance and the Europa Hall, to learn more about the MP Miller engine, our other sustainable mobility technologies, and further capabilities. There will be an opportunity to chat to some of Aurobay's R&D, Manufacturing Engineering and Sales team.

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About

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