

Aluminium cylinder blocks Challenge & opportunity for professionals

Our know how – Your advantage!

In modern engine manufacture, the tried and tested grey cast iron cylinder block is increasingly being replaced by aluminium blocks. It's time to equip yourself for the future, and optimise your engine reconditioning methods!

This training course focuses on the latest sliding surface technologies, and provides guidance on professional reconditioning of aluminium blocks.

Content:

- History of aluminium alloy engines
- Cylinder block concepts
- Trends and differences
- Casting method overview
- Sliding surface technologies
- Repair considerations and recommendations
- Processing of aluminium cylinder sliding surfaces
- Precision boring of cylinders
- Exposure of silicon crystals
- Problems and solutions in cylinder processing
- Installation of aluminium and grey cast iron cylinder liners
- KS tools for cylinder processing

In the afternoon, you can choose between two options:

- **Practical option:** Demonstration of repair methods at a local engine reconditioner.
- **Theory option:** Factory tour with insight into the individual production stages and methods in series production.

Objectives:

The participants ...

- ... will learn about the different cylinder block concepts.
- ... will gain knowledge of correct processing and repair of an aluminium cylinder block.
- ... will learn methods of identifying a sliding surface so that it can be processed correctly.
- ... will gain a detailed knowledge of the different processing methods and the individual operations involved.



Target group:

Foremen and mechanics from workshops and engine reconditioners.

Duration:

09.00 – 16.30

Schedule:

Morning:

Theory - Neuenstadt

Afternoon:

Practical – Engine reconditioner or
Factory tour
KS Aluminium Technologie AG

Location:

MS Motor Service in Neuenstadt

ADVANCED TRAINING,
NO PROBLEM!



For further information,
please contact your direct partner.