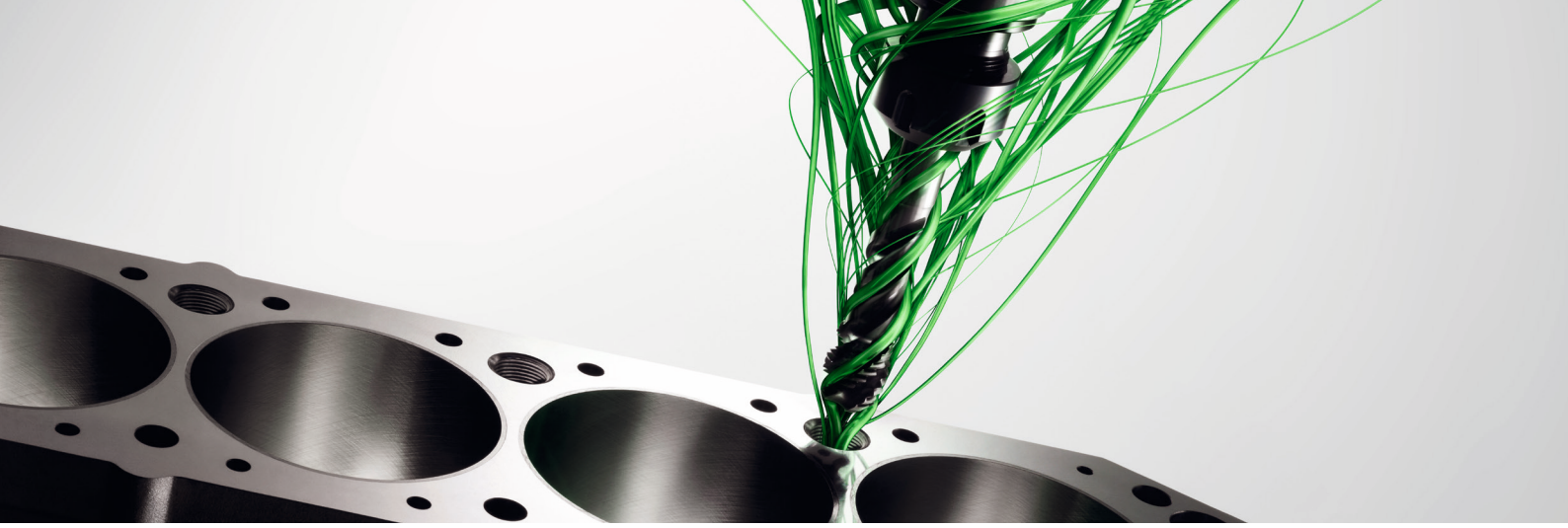

MAJOR AUTOMOTIVE BRAKES MANUFACTURER SWITCHES TO CASTROL AND REDUCES COSTS

- IMPROVED MACHINE CLEANLINESS
- SAFER OPERATING ENVIRONMENT
- REDUCED BIOCIDE AND WASTE-DISPOSAL COSTS

THE SITUATION

A large manufacturer of automotive brakes components has an operation with two centralised systems (2 × 40m^3), and 20 CNC and conventional machines with individual filtrations.

It was utilising an existing conventional coolant at 12% concentration across all its machining operations, including turning, tapping and reaming, in hard water (>22.5°dH), and was experiencing bacterial and fungal contamination.

The company was looking for a new aluminium coolant to improve its bacterial and fungal resistance, to reduce its production costs when machining aluminium, and to improve its HSSE profile.

THE BENEFITS

After using Castrol Alusol SL 51 XBB, the manufacturer:

- Obtained the same machining performance with a lower product concentration (10% as opposed to 12%)
- Observed fewer grease and oil deposits
- Created a safer environment for its operators
- Eliminated fungal development
- Reduced its biocide consumption
- Upgraded its output, despite lower coolant consumption
- Reduced its biocide and waste-disposal costs

THE SOLUTION

The company needed a product that did not contain boron – and that offered the same (or better) machining performance than the previous coolant used, with improved machine cleanliness. It succeeded in meeting these needs by switching to Castrol Alusol SL 51 XBB.

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