



# ONE OF THE WORLD'S LEADING SUPPLIERS OF HYDRAULIC BRAKE SYSTEMS ENJOYS THE BENEFITS OF USING CASTROL ALUSOL SL 51 XBB



**INCREASED  
PRODUCTIVITY**



**REDUCED  
COOLANT  
CONCENTRATION**



**SAFER  
OPERATING  
ENVIRONMENT**



**NO FOAMING**

## THE SITUATION

This major supplier produces brake parts for the automotive market. With a total volume of 15kl, it has two large transfer lines ( $2 \times 6\text{m}^3$ ) with individual filtrations.

The company was using a leading competitor's product for all its machining operations, including turning, tapping and reaming. It machines Al-Si alloy 6082, and has a soft water quality of 3 to 5°dH.

The company was seeking a new aluminium coolant to improve its cleanliness and reduce its costs, specifically by reducing foaming. It needed a product that is boron-free to meet its HSSE requirements.

## THE BENEFITS

By using Castrol Alusol SL 51 XBB, the company:

- Enjoyed the same machining performance with a lower product concentration (7%, as opposed to 10%)
- Benefited from a cleaner and safer working environment
- Eliminated foaming in critical situations
- Sped up production
- No longer needed anti-foams
- Reduced coolant consumption
- Cut costs as a result of reduced downtime and no expenditure on anti-foam additives

## THE SOLUTION

Castrol proposed Alusol SL 51 XBB as an alternative milky, boron-and-biocide-free metalworking fluid. By switching to Castrol, machining performance wasn't compromised – it was actually improved. In addition, there were benefits to the working environment, productivity and consumption.

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IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.

 **ALUSOL XBB**