

FUCHS Industrial Lubricants

MOVING YOUR WORLD



Lubricant Strategies That Resolve Lightweighting Issues

Modern Manufacturing

Lightweighting of vehicles has become a significant part of the automotive industry's strategy to meet fuel efficiency standards and electrification requirements. The use of aluminum, boron/martensite steel, and AHSS is lightening vehicles, but forming these metals have created new challenges for the industry. FUCHS has developed new lubricant technologies that can help resolve many of the new issues associated with lightweighting including:

- Edge Cracking
- Springback
- Reduced Tool Life
- Adhesive Compatibility
- Multi-Metal Mixing
- High Temp Forming

Modern Requirements

FUCHS, the worldwide leader in specialty lubricants, has developed metalforming lubricants specifically for use with new automotive steel. These products run the gamut from heavy-duty chlorinated oils to new technology synthetic lubricants. Our recommendations are based upon a holistic assessment of all your operations and goals that can help resolve many of the new issues associated with lightweighting including:

ANTICORIT PL 3802 39S	An effective auto-approved, mill-applied prelube. Eliminates oil migration and "dry-islands" on blanks, providing lubricity for forming.
ANTICORIT PL 39 LV 12	Auto approved blankwash & lubricant for steel & aluminum body panels. Improves compatibility with adhesives.
RENOFORM OS 7806	Heavy-duty chlorine free stamping lubricant. Effective on structural parts made of Gen 3 and AHSS. Reduces friction and improves tool life.
ANTICORIT PL 45A	Auto approved pre-lube for aluminum body panels to replace wax-based lubricants. Sustainable option with excellent lubricity for forming.
RENOFORM OL 569 NE	A lubricant composed of polar additives for aluminum forming, including high purity grades. Reduces friction for optimal finishes.

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