

FUCHS Industrial Lubricants



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LUBRICANT STRATEGIES THAT RESOLVE LIGHTWEIGHTING ISSUES

Modern Manufacturing

Lightweighting of vehicles has become a significant part of the automotive industry's strategy to meet 2025 CAFÉ fuel efficiency standards. 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.

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.

THE PROBLEMS:

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

THE RESOLUTIONS:

ANTICORIT PL 3802 39S	An effective auto-approved prelude for application at steel mills. Eliminates oil migration and "dry-islands" on blanks. Provides 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.
RENOFORM AL 278	USCAR and SAE choice for lubrication in aluminum warm forming. Provides lubricity to 325°C. A water-based material that is easy to clean from parts.
RENOFORM 10 ALWF	A lubricant composed of inorganic ingredients that hold up under temperatures exceeding 500°C. Excellent for use in warm and hot forming aluminum.

The information contained in this brochure is based on the experience and know-how of FUCHS Lubricants Co. in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally-valid statements about the function of our products are not possible. The information given in this Product Information sheet represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application.

We therefore recommend you consult a FUCHS Lubricants Co. Application Engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our Product Information sheets at any time and without warning. With the publication of this Product Information sheet, all previous editions cease to be valid.

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