

prelube2

POWER UP YOUR STEEL TO THE NEXT GENERATION

Sustainable forming with prelube2 oil



Additional treatments: Corrosion protection

prelube2 factsheet | 06/2021

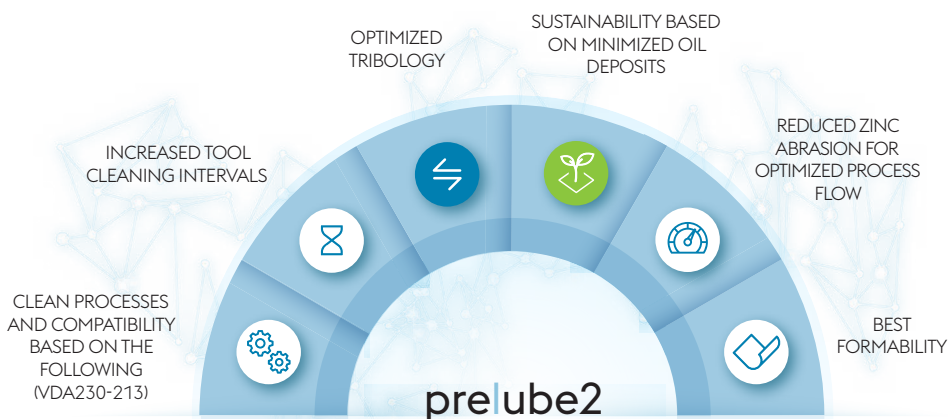
prelube2 – OPTIMIZED TRIBOLOGY AND EXCELLENT OIL DISTRIBUTION

Do you want a corrosion protection oil that can increase tool cleaning intervals, make your production run cleaner, features improved tribology and is compatible with your downstream processes? That's prelube2!

voestalpine provides the best support by using the next generation of prelubes: prelube2. With its optimized tribology, prelube2 makes it possible to work with less oil coating yet maintain the same level of formability, thus reducing oil leakage and oil redistribution on coated and uncoated steel strip during storage. prelube2 has the potential of reducing the friction coefficient and zinc abrasion during the forming process, thus increasing tool cleaning intervals. This means that more pressed parts can be produced in a single run.

Typical applications:

- » Automotive
- » Products with the most stringent forming demands



SUSTAINABILITY AND ENVIRONMENTAL PROTECTION

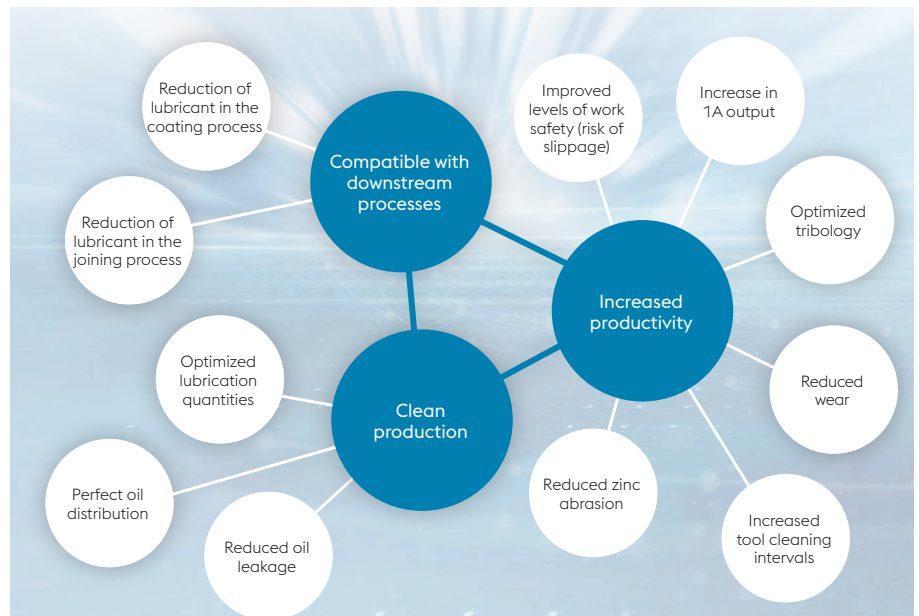
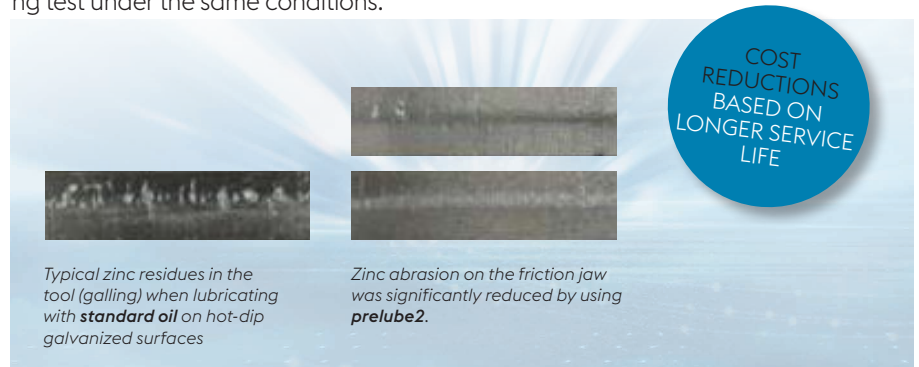
- » The use of prelube2 reduces the oil coating layer thickness and protects the environment.
- » The lower oil volume conserves resources and leads to clean processes with less chemical consumption in downstream processes.
- » prelube2 reduces friction during forming with the same oil layer thickness.

PROCESSING BENEFITS

The excellent tribological properties reduce the amount of lubrication required while providing the same level of friction reduction, thus enabling clean production processes (less oil leakage during storage and transport).

SIGNIFICANT ADVANTAGES COMPARED TO STANDARD OILS

prelube2 (approved pursuant to VDA 230-213) reduces zinc abrasion in the forming tool for formed parts. The following figures show the test results from the strip drawing test under the same conditions.



MULTIPLE CERTIFICATIONS

Certifications are naturally a minimum requirement at voestalpine in our effort to provide additional high-performance treatments such as prelube2.



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voestalpine
 ONE STEP AHEAD.