

Forging

Savings from Less Product Reworking Due to Underfill Defect



Industry Expertise

Resource One's extensive experience in forging lubrication and metalworking lubrication spans more than two decades - ensuring that lubrication issues are thoroughly investigated and properly addressed. Speak with our lubrication experts for consultation on your machine lubrication and maintenance now.

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Challenge

A steel forging company producing parts for the automotive industry experienced an increase in underfill defect rate. This resulted to longer production cycle times and higher production costs from reworking the underfilled forged parts.

Our Solutions

Resource One's team of lubrication experts assessed their process and recommended the use of **Condat Condaforge 317** forging lubricant, which **exhibits better graphite particle suspension and dispersion** compared to the previous lubricant used. At high temperatures, a graphited film with exceptional adhesion is formed preventing the occurrence of the underfill defect.

Impact

The company was able to reduce the underfill defect rate from 0.63% to only 0.22%. This minimized the need for reworking, providing savings of up to Php 1,500.00 per day

Product Information

Condat Condaforge 317 is a high-performance water-based forging lubricant for hot forging of steel, aeronautics' alloys (Inconel, titanium, etc.) and aluminum. Its advantages include:

- Ammonia-free
- Does not cause deposits on tools
- Easy to mix and dilute