

PARTNERS IN POSSIBILITY

corrosion inhibitors for metals



customer challenge

- the customer experienced quality control issues when forming metal into shapes due to surface defect rates
- the wear on the customer's machine parts caused manufacturing downtime
- the customer needed a lower toxicity corrosion inhibitor and simplified formulation

solution

- our technical team partnered with the customer to test their current formulations with and without our metalworking additives
- resulting in a simplified formulation that provided dual benefits of corrosion protection and lubricity improvement
- **our ashless, organic, and reactive corrosion inhibitors** are successful on both steel and aluminum and can be easily reacted with ethanol amines and triazoles
 - anhydride: **Indapro™ 5910**
 - di-acid: **Indapro™ 5915**

benefits

- **metal-free:** helping limit environmental impact
- **sustainability:** multi-functional additives that are effective at low dosages and allow for easier treatment of waste water
- **manufacturing efficiency:** this technology provided enhanced cleanliness and longer time between machine shutdowns

at a glance

a multi-functional metalworking additive that exceeded baseline performance



We believe in the power of possibility; through specialty ingredients and performance-enhancing materials, **Aurorium** makes it possible for companies around the world to create life-improving products that make the world a better place

