

Machining and Grinding

Clear Machine Visibility and Improved Productivity Using Stable Coolant Emulsion



Challenge

A manufacturing company producing marine propellers had coolant quality and tackiness issues contributing to:

- Poor visibility during operation, preventing machine operators to check and intervene when problems occur
- Decreased productivity from frequent tool sharpening and frequent coolant bed cleaning (every 3 months)
- Health hazards to workers caused by skin irritation when handling coolant

Our Solutions

Lubrication experts from Resource One recommended the use of **Quakercool 7200 HBFF**, a water-soluble coolant that is not tacky when used due to its **good emulsion stability**. The chemistry of the product allows high quality surface finish and prevents machine build-up.

Impact

The company no longer experiences coolant stickiness problems and benefited the following:

- Clear visibility during operation - operator can now easily check and intervene if there are problems
- Less downtime since required tool sharpening extended from every 60 machined products to every 100 machined products
- Improved productivity with less frequent coolant bed cleaning from every 3 months to every 6 months
- Improved worker safety since coolant does not cause skin irritation


Industry Expertise

Resource One's extensive experience in machining and grinding 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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