



## Quaker Chemical's Metalworking Fluid Management Milestones

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### Innovative savings through an integrated process fluid and service offering

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Partnering with a leader in the design, manufacture and service of [aircraft engines](#), Quaker (NYSE: KWR) was challenged to reduce a customer's coolant waste in their machining and grinding operations by 90% within a ten year period.

Initial focus targeted [non-aluminum machining and grinding](#) operations with a two-pronged approach. First was an upgrade of the existing machining and grinding coolant to QUAKERCOOL(R) 7205, an emulsifiable fluid formulation possessing superior [machining and grinding](#) performance and bio-resistant characteristics over the incumbent technology. Second, Quaker implemented a [fluid management program](#) to control the system, collect pertinent machining and grinding process data and use that data to drive continuous improvement in the customer's fluid-related decisions.

Milestone achievements the first year alone, associated with reduced labor, improved fluid treatment and improved coolant consumption in [machining and grinding](#), provided \$460,000 in savings. Over the years, continued focus and expanded fluid management services delivered \$3,000,000 in quantified, fluid-related savings.

Over an eight year period, additional fluid management program initiatives involving another coolant upgrade, reduction in process cleaner usage, a zero-VOC floor coating, and a change in maintenance cleaner chemistry yielded nearly \$3,300,000 in total savings.

This [documented case study](#) on fluid management is just one example of how Quaker Chemical partners with customers to improve their efficiencies and lower fluid-related costs. For more information on [Quaker Chemical](#) and its full [product line offerings](#), including [Chemical Management Services](#), please visit [quakerchem.com](#).

*Quaker Chemical Corporation is a leading global provider of process chemicals, chemical specialties, services, and technical expertise to a wide range of industries - including steel, aluminum, automotive, mining, aerospace, tube and pipe, coatings and construction materials. Quaker's products, technical solutions, and chemical management services enhance customers' processes, improve product quality, and lower costs. Quaker's headquarters is located near Philadelphia in Conshohocken, Pennsylvania.*

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