



High Performance Coolant for the Pipe Threading Process

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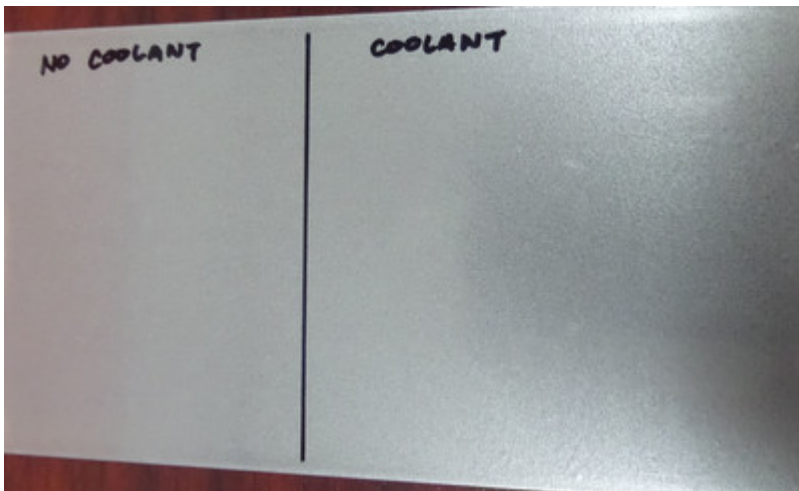
Quaker Chemical gains efficiencies on tooling costs and solves coating incompatibilities with **QUAKERCOOL® 750 TP**

CONSHOHOCKEN, Pa., Feb. 25, 2015 /PRNewswire/ -- For many pipe manufacturers, annual threading tool costs can be ten times or more than the annual costs of the coolant. **Quaker Chemical Corporation** (NYSE: KWR), the only "front to back" chemical specialty supplier to the Tube and Pipe industry, addressed the issue with **QUAKERCOOL® 750 TP**. Optimal for the threading process, this metalworking coolant fluid is a high performance mineral oil-free microemulsion. Benefits include exceptional lubrication, short term corrosion protection, clean rinsing, and a wide water quality tolerance. The coolant effectively resists microbiological growth and does not contain chlorinated compounds, formaldehyde release agents, boron, monoethanolamine, nor secondary amines.

A major OCTG pipe producer desired to lower their operating costs while at the same time improving their threading quality and cutting insert wear. Quaker worked closely with the customer to gain efficiencies on the tooling costs, which are often the most expensive part of the threading operation. After incorporating the metalworking coolant fluid, **QUAKERCOOL® 750 TP**, into the threading process, the results were:

- Up to 30% increased tool insert life used for the pipe threading operations
- Decreased downtime due to longer tool use
- Significant reduction in cost per joint, saving the customer hundreds of thousands of dollars

Quaker offers metalworking process fluids and coatings for each stage of the tube and pipe manufacturing process thus designing fluid solutions to work with the "front-to-back" compatibility in mind. **QUAKERCOOL® 750 TP** has the additional feature of integrating well with upstream chemistries and downstream protective pipe coatings. Whether the coating is UV, water based or solvent based, incompatibility between the coolant and coating can adversely impact adhesion and corrosion protection in Tube & Pipe manufacturing. **QUAKERCOOL® 750 TP** was developed to avoid the "orange peel" incompatibility appearance experienced with competitive coolants on pipe surfaces as depicted in the following photos:



COATING COMPARISON : NO COOLANT VS. QUAKERCOOL® 750 TP COOLANT



COATING COMPARISON : NO COOLANT VS. COMPETITIVE COOLANT

Visit <http://www.quakerchem.com/expert-experience/industry-expertise/tube-and-pipe/> for additional information and the full product line offerings for tube & pipe applications.

About Quaker Chemical Corporation:

Quaker Chemical is a leading global provider of process fluids, chemical specialties, and technical expertise to a wide range of industries, including steel, aluminum, automotive, mining, aerospace, tube and pipe, cans, and others. For nearly 100 years, Quaker has helped customers around the world achieve production efficiency, improve product quality, and lower costs through a combination of innovative technology, process knowledge, and customized services. Headquartered in Conshohocken, Pennsylvania USA, Quaker serves businesses worldwide with a network of dedicated and experienced professionals whose mission is to make a difference. Visit quakerchem.com to learn more.

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SOURCE Quaker Chemical Corporation

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