



## Quaker Chemical to Present at STLE 2011 on Hydraulic Fluids

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### **A leading authority provides a modern take on fire-resistant ester-based hydraulic fluids for power generation**

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In recent years, hydraulic fluids based on modern, [syntheticpolyol esters](#) have gained considerable attention in [Power Generation](#) as an alternative to electro-hydraulic (EHC) fluids. [Quaker Chemical](#) (NYSE:KWR) - a global leader in [fire-resistant hydraulic fluids](#) - recently conducted studies in this area, comparing various types of EHC fluids with respect to fire-resistance, environmental impact, maintenance requirements and fluid costs.

Steam turbines operate using (EHC) fluids. The valves control steam that can reach temperatures of 1,000 degrees F (538 degrees C) or higher, creating demanding conditions for the hydraulic fluid. Traditionally either mineral oil-based hydraulic fluids or - more frequently - fire-resistant fluids based on phosphate esters have been used in the steam turbines.

Quaker Chemical has not only conducted research which helps to educate the industry, but in addition their technical experts have worked to engineer world-class, Factory Mutual-approved fire-resistant [synthetic polyolester \(HFD-U\) fluids](#). These fire-resistant fluids are part of Quaker's [QUINTOLUBRIC®](#) product line, which provides engineered solutions that are both biodegradable and non-toxic.

To share more detailed findings of this recent study, Dr. Nico Broekhof - Quaker's Global Development Manager - will present the paper Modern, Ester-Based Hydraulic Fluids for Power Generation, at the STLE 2011 Annual Meeting (The Society of Technology and Lubrication Engineers) in Atlanta on May 18th at 3:30 PM. For more information on Quaker Chemical, please visit [www.quakerchem.com](http://www.quakerchem.com).

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