



## Quaker Chemical Establishes a Successful Partnership

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### Process cleaner expertise improves automotive customer's production

CONSHOHOCKEN, Pa., May 23, 2012 /PRNewswire/ -- A major [automotive](#) manufacturer needed technical expertise and process cleaner product knowledge to support the start up and run-off for their connecting rod washer during a restart of its manufacturing facility to produce new engines. As part of our chemical management services (QCMS(SM)) the automotive engine manufacturer relied on Quaker Chemical (NYSE:KWR), a global leader in metalworking process fluids, for such expertise.

The automotive engine manufacturer's washer was refurbished from another manufacturing location and had been redesigned to meet this engine plant's specific need to wash powdered metal connecting rods with bronze brushings. The rods and bushings require 30-60 days of rust protection in an indoor storage environment.

In an effort to provide the required [rust protection](#) at the automotive engine plant, several connecting rods were run through the washer using a 4% cleaning solution of QUAKERCLEAN® 624 CP – a high-quality process cleaner – in both the wash and rinse stages. During the run-off, sediment testing was conducted on 8 randomly chosen connecting rods to establish a baseline. Quantified dirt weights were used to verify acceptable cleaner and washer performance.

Two of these connecting rods were then wrapped in desiccant paper and placed in storage. The parts were examined and evaluated after 90 days for any signs of corrosion. After 90 days, both connecting rods remained rust free.

Throughout this process, Quaker's on-site Chemical Management Services (QCMS(SM)), Process Support and Product Management teams were present to provide technical support to the automotive engine plant's project team. The group established a successful partnership and qualified the performance of the [process cleaner](#), QUAKERCLEAN® 624 CP, in the connecting rod washer. Ultimately, Quaker was awarded the business for all of the remaining in-process and final parts washers at this automotive engine plant.

This documented case study 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](http://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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Eliana Holguin, Global Marketing Manager, [holguine@quakerchem.com](mailto:holguine@quakerchem.com), +1-610-832-7897