

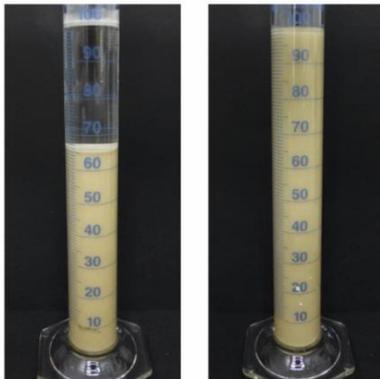
Press Release

Novel Stimulation Additive Assists in Hydrocarbon Recovery

Austin (TX)/Wesel, September 30, 2019 – As global demand for hydrocarbons continues to grow, the need for efficient and improved recovery of oil and gas is crucial. The use of additives plays a critical role in the hydrocarbon supply chain from drilling to refining. In recent times, many stimulation applications in oil production have been moving towards "particle-free" systems in order to prevent a reduction in permeability or the blocking of pores in the formation. In addition, there are many polymers in oil dispersions such as CMC, dry friction reducers or guar slurries that require anti-settling properties to ensure safe storage, transport and use.

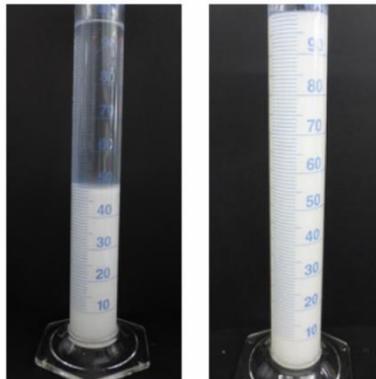
With [BYK-GO 8730](#), BYK is launching an innovative liquid rheology additive into the oil and gas market, which gives anti-settling properties to a broad particle spectrum in oil system. In addition, the processing time is reduced considerably which significantly simplifies the preparation time for the user. Furthermore, it is liquid and pourable over a very wide temperature range and ensures low shear viscosity in oil-based systems.

Example of a guar gum in oil slurry



Left picture: phase separation in the absence of an additive; right picture: stabilized system in the presence of the new polyurea-based rheology additive BYK-GO 8730

Example of a friction reducer in oil slurry



Left picture: phase separation in the absence of an additive; right picture: stabilized system in the presence of the new polyurea-based rheology additive BYK-GO 8730

Click on the images to obtain a printable version.

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In the summer of 2019, BYK honored the international team from the USA and Germany for their work on the BYK-GO 8730 project with the **BYK Innovation Award**. Stacy Scranton, Global End Use Manager Upstream Solutions: "We are pleased to see the hard work of so many persons acknowledged through the innovation award for [BYK-GO 8730](#). Most importantly, the positive response from the market has been truly encouraging for the entire group and we are confident that this additive will enable us to meet many of our customers' challenges".

More information about the **product** and a **whitepaper** can be found [here](#) at www.byk.com.

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BYK is one of the world's leading suppliers in the field of additives and measuring instruments. Additives are chemical substances which, when used in small quantities, improve product properties such as scratch resistance or surface gloss. Manufacturing processes are also optimized by the addition of additives.

The coatings, inks, and plastics industries are among the main consumers of BYK additives. Yet with the production of oil and gas, the manufacture of care products, the production of adhesives and sealants, and construction chemistry, too, BYK additives improve the product characteristics and production processes. Testing and measuring instruments from BYK can effectively evaluate the quality of color, gloss, and appearance as well as the physical properties of paint, plastic, and paper products and are an important part of quality control.

As a globally operating specialty chemicals company, BYK has production sites in Germany (Wesel, Kempen, Moosburg, Schkopau and Geretsried), in the Netherlands (Deventer, Nijverdal and Denekamp), in Great Britain (Widnes), in the US (Wallingford, Chester, Gonzales, Louisville, Earth City and Pompano Beach) and in China (Tongling).

Today the company employs more than 2,300 people worldwide and forms part of the ALTANA Group.

This press release is also available on the Internet at www.byk.com/press.

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