

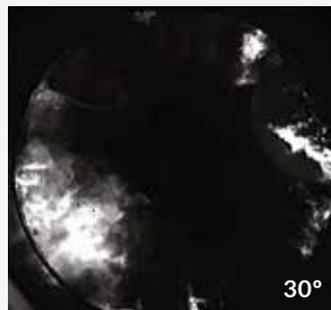
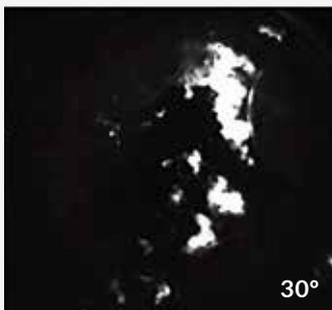
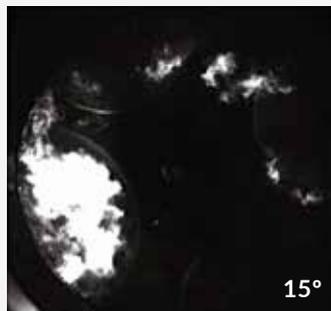
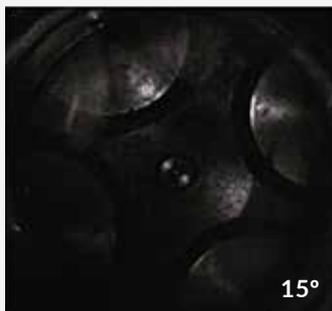
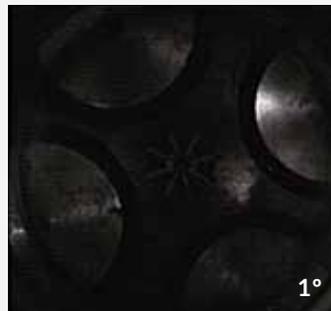
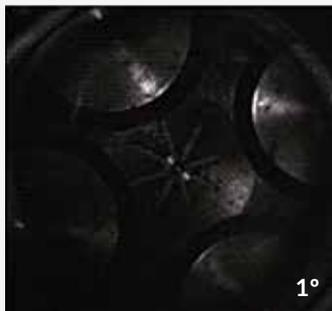
## // THE LUND STUDY

### STUDY OF THE IGNITION PROCESS

The top 100 university\*, Lund University, made a study of the ignition process – with and without EuroAd – in winter temperatures. The pictures show an example of the ignition process when fuel (RME), with and without EuroAd are injected in conditions equivalent to cold start. You can see that, for example, when the crankshaft has rotated 15°, after commencement of injection, fuel with EuroAd ignites earlier than fuel without EuroAd at the same time.

#### FUEL WITHOUT EUROAD

#### FUEL WITH EUROAD



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### IMPORTANT CONCLUSIONS CAN BE DRAWN

Not only does RME with EuroAd ignite 20 percent earlier, it also displays less variation between the cycles. In other words, the EuroAd premium fuel, provides quicker, more stable ignition than ordinary RME. Finally, in conditions that correspond to an engine at operating temperature, RME with EuroAd reduces soot formation more.



Study of two RME fuels  
in an optical diesel engine



**LUNDS UNIVERSITET**  
Lunds Tekniska Högskola

\* Lund University is the highest ranked university in Sweden in the QS Ranking 2018. It is also consistently ranked among the world's top 100 universities in world university rankings.

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