



# Energizing Innovators

ExxonMobil Chemical Synthetics newsletter



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Here's the latest issue of Energizing Innovators, a quarterly newsletter providing expert insights into the synthetic lubricants industry. You'll find valuable information about emerging trends, case studies and upcoming industry events.

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## Behind the scenes

### Producing synthetics base stocks



Get a fascinating look at the ExxonMobil synthetic base stocks production facility in Baytown, Texas.

[Watch the video](#)



#### Technical research

### Oxidation: mPAO vs. cPAO base stocks

Lubricant breakdown due to aging and operating conditions in the presence of oxygen (air) is called oxidation. The lubricant thickens and could form polymeric byproducts, leading to varnish and lacquer deposits on metal surfaces. In this insightful white paper, ExxonMobil experts test and compare the oxidative stability of mPAO and cPAO base stocks in severe operating conditions.

[Read the whitepaper](#)



#### Doing business

### What does reliable supply look like?

Nothing is more important to your operation than supply reliability when procuring base stocks. To help us ensure you can get what you need when you need it, we have the capacity to produce 192,000 tons of low viscosity PAO synthetic base stocks at our Beaumont and Notre-Dame-de-Gravenchon plants.

[Find out more](#)



#### Case study

### CALS Corporation exceeds changing customer requirements

See how CALS Corporation capitalized on the blending flexibility in ExxonMobil base stocks to create lubricants that provide high stability under extreme operating conditions.

[Learn more](#)



#### Events

### Join us at Inter Lubric 2018

ExxonMobil Senior Staff Marketing and Technical Support Chemist Alina Li will present "SpectraSyn Elite™ mPAO – High-performance base stocks for synthetic grease applications." Demand for next-generation greases made from high-performance base stocks continues to grow. Synthetic greases are required to help address severe operating conditions due to temperature and mechanical load. These greases are used for a variety of applications from rail tracks to wind-turbine bearings.

[Learn more](#)



#### Product spotlight

### Industrial lubricants overview

Our synthetic fluids and lubricant base stocks outperform conventional mineral-based products and provide many benefits, including improved thermal and oxidative stability, improved volatility, extreme flexibility and lower energy consumption.

[Learn more](#)



#### Market insight

### Innovating PAO base stocks in Asia

Did you miss our presentation at the ICIS Asian Base Oils and Lubricants Conference? Synthetics Global Marketing Manager Brad Rinderknecht spoke about "Innovating PAO base stocks in Asia," focusing on:

- PAO market dynamics in Asia
- Insights into supply reliability, product integrity and applications
- Solubility technology updates for PAO base stocks

Learn how we help customers in Asia achieve their commercialization goals.

[Download presentation](#)

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