

## Success story

# Korean lubricants manufacturer CALS Corporation meets and exceeds changing customer requirements by using ExxonMobil Chemical base stocks.

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## Challenge: Meet or exceed customer requirements for high-quality lubricants

Korea's CALS Corporation manufactures high-end lubricants for the automotive, electricity, electronics and steel industries, exporting products to 22 countries. To meet the increasingly complex lubricant requirements for these industries, the company needs high-quality base stocks that offer exceptional capabilities and blending flexibility.

At one point the company's formulators specifically sought a base stock that provided high stability under extreme operating conditions, as well as good solvency and water resistance.

## Solution: Blend with Synesstic™ Alkylated Naphthalene

ExxonMobil engineers recommended using Synesstic Alkylated Naphthalene (AN) as a base stock or booster of co-base stock. Synesstic AN is well-suited for high-temperature applications and areas where water is present. High viscosity index helps maintain film thickness at high temperatures to reduce friction, and helps minimize viscosity at low temperatures to reduce churning and pumping losses.

Due to its exceptional versatility, Synesstic AN offers formulators excellent blending flexibility, as well as thermal, oxidative and hydrolytic stability, along with good additive solvency.

## Result: High-quality lubricants that meet market demands

To stay ahead of growing competition and ever-changing OEM requirements, CALS is committed to producing innovative products that set the company apart. That's why the company's formulators use Synesstic AN and other ExxonMobil base stocks.



"The benefits of ExxonMobil base oils are high quality and safety. Our customers give us favorable responses to our lubricants, so naturally we use many ExxonMobil products."

– In-sik Jeon, lead researcher, R&D team, CALS Corp.

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