



Energy lives here™

Maximize fuel economy and energy efficiency with breakthrough base stock performance

SpectraSyn™ MaX PAO delivers an unprecedented balance of low viscosity and low volatility

Key benefits

Compared to traditional PAOs and mineral base stocks, SpectraSyn™ MaX PAO can help provide step-out performance, including:



Enhanced fuel economy and energy efficiency



Excellent low-temperature properties for strong wear protection



Enhanced oxidative stability for long drain intervals



Superb lubricity for clean, efficient performance

Groundbreaking SpectraSyn™ MaX polyalphaolefin (PAO) is designed to provide enhanced fuel economy, energy efficiency and durability through an industry-leading balance of low viscosity and low volatility.

Thanks to its innovative molecular structure, this unprecedented base oil helps formulators achieve their fuel and energy goals in finished lubricants without sacrificing wear protection or lubricant life. In significant lab testing, SpectraSyn™ MaX PAO base stock demonstrates up to 3% improvement in fuel economy compared to conventional PAO and Group III mineral oil base stocks.

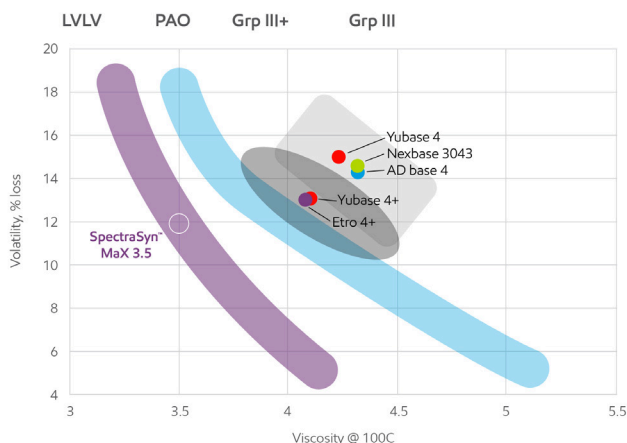
3% improvement in fuel economy

compared to conventional PAO and mineral oil base stocks

Discover the step-out performance of SpectraSyn™ MaX PAO

Groundbreaking balance

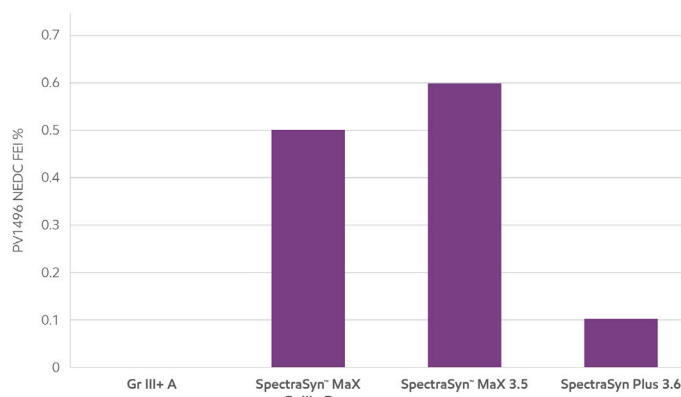
In Noack volatility tests, SpectraSyn™ Max PAO demonstrates outstanding balance of low viscosity and volatility compared to Group II/III and conventional PAO base stocks. This exceptional balance helps enable enhanced fuel economy and energy efficiency without sacrificing wear protection and long drain intervals.



Improved fuel economy

Using a 0W-12 engine oil in Volkswagen fuel economy test PV1496, SpectraSyn™ MaX PAO demonstrates superior fuel economy improvement compared to a Group III+ and a low-viscosity conventional PAO.

VW fuel economy improvement – 0W-12



Typical properties*

Test	Unit	Test method	SpectraSyn™ MaX 3.5
Kinematic viscosity @ 100°C	cSt	D445	3.51
Kinematic viscosity @ 40°C	cSt	D445	14.26
Viscosity index	None	D2270	128
Noack volatility	wt%	D5800	11.6
Pour point	°C	D5950**	-78
CCS @ -35°C	cP	D5293	790
RPVOT (oxidation test)	Min	D2272B	102
Flash point COC (EV)	°C	D92	234

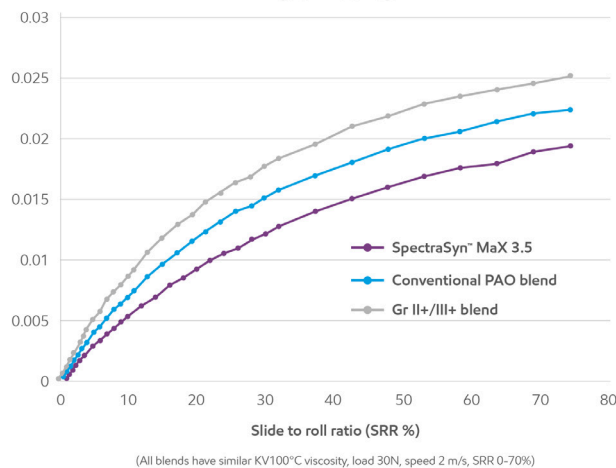
*Typical properties; actual values will vary; not to be construed as specifications; sales specifications available at exxonmobilchemical.com/synthetics.

**ASTM method D5950 only covers up to -66 °C

Greater energy efficiency

In MTM traction tests, SpectraSyn™ MaX PAO demonstrates significantly lower friction coefficient/torque loss compared to Group II+/III+ and conventional PAO blends. This performance can enable improved energy efficiency.

MTM traction (30N 80°C)



Collaboration is key to developing solutions.
Let's talk.

Scan the QR code to get in touch with us.

Find out more about SpectraSyn™ MaX PAO at exxonmobilchemical.com/max.

ExxonMobil

©2021 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.