

United Synthetic European Motor Oil meets and exceeds European manufacturer specifications. This shear-stable motor oil, along with a balanced additive package, provides outstanding protection in high-temperature conditions and delivers dependable performance throughout the drain intervals recommended by European manufacturers.

## Features:

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- Excellent for turbochargers – robust chemistry is designed to shield engines from high-temperature deposit formation produced by turbochargers.
- Engine cleanliness – excellent oxidation stability, designed to prevent sludge and varnish deposits, reduce oil consumption, and extend engine life with maximum performance.
- Built with emission systems in mind – the needs of modern exhaust systems are complex and sensitive. United Synthetic European Motor Oil is formulated to protect sensitive emission systems using an optimal blend of SAPS.

## Applications:

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Use in gasoline engines that require the use of any of the following specifications:

### 0W-40:

- API SN, SM
- ACEA A3/B3, A3/B4
- BMW LL-01
- MB 229.1, 229.3, 229.5
- Porsche A40
- Renault 0700, 0710
- VW 502.00, 505.00

### 5W-40:

- API SN, SM
- ACEA A3/B3, A3/B4
- BMW LL-01
- MB-Approval 229.5
- Porsche A40
- VW 502.00, 505.00
- GM LL-B025
- Renault 0700, 0710

### 5W-30:

- API SN, SM
- ACEA C3; BMW LL-04
- Porsche C30
- VW 504.00, 507.00
- GM dexos 2
- Chrysler MS-11106
- MB 229.51



## Product Availability:

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Pack Type	0W-40	5W-30	5W-40
5-gal. Drum	✓	✓	✓
55-gal. Drum	✓	✓	✓
275-gal. Totes	✓	✓	✓

## Typical Properties

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Description	Test	0W-40	5W-40	5W-30
Kinematic Viscosity 100°C, cSt	ASTM D445	13.3	13.6	11.6
Kinematic Viscosity 40°C, cSt	ASTM D445	74.7	83.3	68.4
Viscosity Index	ASTM D2270	182	168	165
CCS Viscosity CP	ASTM D5293	5888 (-35)	5433 (-30)	5946 (-30)
Pour Point °C (°F)	ASTM D97	-51 (-59.8)	-39 (-38.2)	-51 (-59.8)
Flash Point °C (°F)	ASTM D92	232 (449.6)	220 (428)	228 (442.4)
Fire Point °C (°F)	ASTM D92	240 (464)	238 (460.4)	250 (482)
NOACK Volatility, % Weight Loss	ASTM D5800	9.90%	8.70%	7.10%
High Temperature/High-Shear Viscosity, CP	ASTM D5481	3.7	3.7	3.6
Total Base Number		10.1	10.1	8.8

The typical properties listed above reflect the general characteristics of the product(s) and are not manufacturing specifications. Variations that do not affect product performance should be expected. Product formulations are subject to change without notice. The customer or user is responsible for determining the product's suitability for use with their equipment.