

# UNITED SUPER PREMIUM SYNTHETIC SAE 5W-40



United Super Premium Synthetic SAE 5W-40 surpasses performance requirements of API CK-4 and OEM standards as well as the demands of modern engines equipped with advanced emission-control technology. Fully backward-compatible to protect older engines, United Super Premium Synthetic SAE 5W-40 withstands the stress of acids generated during combustion and protects against soot and heat to help prevent corrosion, deposits, and wear. Utilizing United Super Premium Synthetic SAE 5W-40 enables fleets to capture long-term cost efficiencies while maximizing equipment performance and protection.

## **Features:**

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- Outstanding wear protection
- Excellent soot dispersancy
- Long-lasting total base number (TBN) retention to neutralize acids and guard against corrosive wear
- Improved fuel economy performance over conventional SAE 15W-40 oils
- Excellent operating performance in low ambient temperatures
- Superior protection against deposit and sludge buildup
- Advanced additive technology to protect modern emission control systems
- Meets/exceeds OEM requirements for safeguarding engine warranties

# TYPICAL SPECIFICATION DATA

UNITED SUPER PREMIUM SYNTHETIC SAE 5W-40	
SAE GRADE	5W-40
Viscosity @ 100°C (cSt)	14.5
Viscosity @ 40°C (cSt)	90.0
Viscosity Index	168
Density (lb/gal)	7.14
CCS Viscosity (cP)	6,200
Pour Point (°C)	-36
Pour Point (°F)	-33
Flash Point (°C)	223
Flash Point (°F)	433
TBN	10.5
Sulfated Ash (% wt)	1.0
HTHS (cP)	3.8
Volatility (% loss)	12.0

## Meets or Exceeds:

- ACEA E9-2012, E7
- API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4
- API SN
- Caterpillar ECF-3, ECF-2, DEO-ULS, DEO
- Cummins CES 20086, CES 20081
- Daimler MB 228.31
- Detroit Diesel DFS 93K222, DFS 93K218
- Ford WSS M2C171-F1
- MAN M3575
- Mack EOS-4.5, EO-O Premium Plus, EO-N
- MTU Category 2.1
- Renault RLD-4, RLD-3
- Volvo VDS-4.5, VDS-4, VDS-3

## Product Availability:

- 2 x 2.5 Gal
- 55 Gal
- 265 Gal
- Bulk
- Item # 343466
- Item # 322033
- Item # 322144
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