Daryl Zebrasky

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AMSOIL Regulatory Compliance

DATA SHEET

Extreme Power 100% Synthetic Motor Oil



High-performance engines run at extreme temperatures and under intense stress, particularly if they are turbocharged. The added heat and pressure invites engine wear and formation of harmful sludge if the oil isn't formulated for this intense environment. AMSOIL Extreme Power 100% Synthetic Motor Oil is formulated to deliver outstanding wear protection and resistance to oil consumption, even in severe conditions. It is a high-performance lubricant designed for street-driven vehicles.

- **Helps** reduce oil consumption
- **Protects** in severe conditions
- **Outstanding** engine cleanliness
- **Guards** against horsepower loss

Resists Oil Consumption

High heat can cause some oils to volatilize (boil-off), leading to oil consumption and tailpipe emissions. AMSOIL Extreme Power 100% Synthetic Motor Oil is formulated with premium synthetic base oils that naturally resist boil-off in the presence of extreme heat. It minimizes oil consumption, reducing the need to frequently top-off the engine with fresh oil.

Promotes Long Engine Life

As oil passes between metal surfaces, such as the piston ring/cylinder wall interface, the intense pressure can shear the molecular structure of the oil, causing it to lose viscosity. Oil that has sheared may not develop a consistent, effective lubricating film to protect against wear. AMSOIL Extreme Power 100% Synthetic Motor Oil resists viscosity loss due to shear to deliver outstanding wear protection and long engine life.

Maximum Power

Over time, wear and deposits reduce engine efficiency and rob engines of horsepower. AMSOIL Extreme Power Synthetic Motor Oil guards against deposits and wear, helping keep engines in peak condition for maximum power.

Clean Engines

AMSOIL Extreme Power Synthetic Motor Oil doesn't contain the unstable, light molecules inherent to conventional oils. It helps reduce oil consumption, particularly in extreme-heat conditions, maximizing engine cleanliness. It is formulated with potent detergents that fight harmful deposits. Clean engines run more efficiently and last longer.

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TYPICAL TECHNICAL PROPERTIES

AMSOIL Extreme Power 100% Synthetic Motor Oil

	0W-30 (P300)	0W-40 (P400)
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	12.1	14.0
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	67.6	83.7
Viscosity Index (ASTM D2270)	179	174
Pour Point, °C (°F) (ASTM D97)	-51 (-60)	-51 (-60)
Flash Point, °C (°F) (ASTM D92)	226 (439)	234 (453)
Fire Point, °C (°F) (ASTM D92)	246 (475)	252 (486)
Noack Volatility, % weight loss (g/100g) (ASTM D5800)	7.4	6.9
High-Temperature/High-Shear Viscosity, cP (ASTM D5481)	3.5	3.9
Four-Ball Wear Test (ASTM D4172: 40 kg, 150°C, 1800 rpm, 1 hr.), Scar, mm	0.48	0.40
Total Base Number	8.4	10.1

APPLICATIONS

Use in vehicles requiring any of the following performance specifications:

Extreme Power 0W-40 100% Synthetic Motor Oil: API SN, SM…; ACEA A3/B3, A3/B4; BMW LL-01; Mercedes-Benz 229.1,229.3,229.5; Porsche A40; Renault 0710, 0700; Volkswagen 502.00, 505.00

Extreme Power 0W-30 100% Synthetic Motor Oil: API SP, SN Plus, SN....; BMW LL-04; Mercedes-Benz 229.51; Volkswagen 504.00/507.00; Porsche C30; ACEA C3, GM dexos2

SERVICE LIFE

Change AMSOIL Extreme Power 0W-40 100% Synthetic Motor Oil at 5,000 miles, six months or the original equipment manufacturer (OEM)-recommended interval, whichever comes first.

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AMSOIL The First in Synthetics®

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