



TECHNICAL DATA

2600 S. Broadway, St. Louis MO 63118
Ph: 800-325-9962 / Fax: 314-865-4107
www.schaefferoil.com



9016 SUPREME 9000™ FULL SYNTHETIC SAE 0W-16

Supreme 9000 Full Synthetic SAE 0W-16 is a premium quality full synthetic, multi-grade engine oil that is specifically formulated to protect gasoline fueled and hybrid automobiles, including those that are turbocharged and/or supercharged, that recommend SAE 0W-16. Supreme 9000 Full Synthetic SAE 0W-16 is suitable for use in newer low mileage, and older high mileage engines.

Supreme 9000™ Full Synthetic SAE 0W-16 is blended from a unique combination of select synthetic base fluids, advanced additive package and highly shear stable viscosity index improver to provide the following advantages:

PERFORMANCE

- Extended engine life in gasoline fueled automobile and light duty truck engines
- Low volatility characteristics for less oil consumption
- Excellent resistance to oxidation and thermal breakdown
- Increased engine efficiency and fuel economy benefits
- Helps protect vehicle emission system components

DEPOSIT PROTECTION

- Excellent detergency and dispersancy for protection against sludge and varnish formation.
- Unsurpassed turbocharger protection from deposit formation
- Excellent piston and critical engine parts cleanliness
- Hydro-Ethanol inhibitors that significantly reduce the problems that can result from the use of ethanol blended fuels

WEAR PROTECTION

- Protects critical engine parts from damaging friction and wear.
- Excellent protection of turbocharged direct injection engines from damage
- Superior protection against rust and corrosion
- Substantial wear protection to reduce wear and damage to critical engine parts
 - 28% Better wear protection vs. API and GM wear limits
 - 37% Better protection against timing chain wear and elongation vs. GM limits
- Substantial reserve wear performance
- Protection from metal-to-metal contact across a wide operating temperature range.

Supreme 9000 Full Synthetic SAE 0W-16 also contains two proven frictional modifiers Micron Moly® and Schaeffer Mfg's own proprietary additive Penetro®. These two proven frictional modifiers once plated, form a long lasting, slippery, tenacious lubricant film, which prevents the metal surfaces from coming into contact with each other. By preventing metal-to-metal contact, damaging frictional wear is reduced which results in reduced wear, increased engine life and lower maintenance costs.

Supreme 9000™ Full Synthetic SAE 0W-16 meets and exceeds the following specifications and manufacturers' requirements: API Service Classification SP, Resource Conserving; ILSAC GF-6B, 2018 and newer Toyota and Honda Service Fill Specifications.

TYPICAL PROPERTIES

SAE Grade

Viscosity @ 40°C, cSt (ASTM D445)	0W-16 32-40
Viscosity @ 100°C, cSt (ASTM D445)	6.1 – 7.2
Viscosity Index (ASTM D2270)	177
High Temperature/High Shear Viscosity 302°F/150°C, cP (ASTM D4683)	2.41
Cold Cranking Viscosity (ASTM D5293) @-35°C, cP	4235
Mini Rotary Viscosity TP-1 @ -40°, cP (ASTM D4683)	20,194
Flash Point °F/°C (ASTM D92)	417°/213.9°
Pour Point °F/°C (ASTM D97)	-39°/-38.8°
Total Base Number (ASTM D2896)	5.3
Sulfated Ash Content % wt. (ASTM D874)	0.9%
Shear Stability 30 Passes (ASTM D6278) Viscosity, cSt @100°C	7.37
Copper Strip Corrosion Test (ASTM D130)	1a
NOACK Volatility %Evaporation Loss (ASTM D5800)	11.5%
Foam Test (ASTM D892)	
Sequence I	0/0
Sequence II	0/0
Sequence III	0/0
Sequence IV	0/0
High Temperature Foam Test (ASTM D6082 Option A)	0/0
MHT-4 TEOST (ASTM D7097) Deposit Weight, mg	29.4
Engine Rusting Ball and Rust Test (ASTM D6557) Average Gray Value	128
Sequence IIIG % Viscosity increase @ 40°C	130%
Average Cam & Lifter Wear, µm	9.8
% Phosphorous (ASTM D4951)	0.076