Save up to 25%

Buy Online

DATA SHEET

100% Synthetic Diesel Oil

Outstanding Protection for Smaller Diesel Engines



AMSOIL 100% Synthetic Diesel Oil is specifically formulated to protect the efficient diesel power of American diesel pickups, vans, cars and SUVs, giving you the edge to keep your vehicle operating at peak performance. It delivers outstanding value and excellent protection for customers seeking an upgrade over conventional, synthetic-blend or competing synthetic diesel oils.

Outstanding Engine Protection

Wear on camshaft lobes can negatively impact valve timing, leading to loss of horsepower and fuel economy. AMSOIL Synthetic Diesel Oil's strong fluid film keeps metal surfaces separated, while its robust anti-wear additives further reduce wear in metal-to-metal contact regions for maximum engine life. Third-party testing shows AMSOIL 100% Synthetic Diesel Oil delivers up to 6X more wear protection than required by a leading industry standard,[1] helping maximize vehicle life and reduce maintenance costs and downtime.

Viscosity Control

Formulated with advanced synthetic base oils and detergent/dispersant additives, AMSOIL 100% Synthetic Diesel Oil minimizes viscosity change while keeping soot particles suspended independently, helping prevent the formation of larger, wear-causing particles. Lower volatility also helps in retaining its viscosity after high-temperature service for added engine protection and increased fuel economy.

Excels in Extreme Temperatures

AMSOIL 100% Synthetic Diesel Oil is formulated to deliver improved heat and oxidation resistance compared to conventional diesel oils. It provides clean engine operation and helps maintain power and fuel efficiency for superior engine performance. AMSOIL Synthetic Diesel Oil also flows dependably in cold temperatures for easier startup and improved engine protection.

Minimizes Oil Consumption

AMSOIL 100% Synthetic Diesel Oil has low volatility (burn-off), reducing oil consumption during operation and passing less oil vapor into the combustion chamber. It is safe for diesel emissions systems.

[1]based on third-party testing in the OM646LA cam wear test using 0W-20 as worst-case representation.

*All trademarked names and images are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express or implied, is made by their use.

Buy Online

TYPICAL TECHNICAL PROPERTIES
AMSOIL 100% Synthetic Diesel Oil

	0W-20 (DP020)	5W-30 (DP530)
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	8.9	12.2
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	46.4	71.7
Viscosity Index (ASTM D2270)	176	169
CCS Viscosity @ °C, cP (ASTM D5293)	5590 (-35)	6158 (-30)
Pour Point, °C (°F) (ASTM D97)	-48 (-54)	-45 (-49)
Four-Ball Wear Test (ASTM D4172), Scar, mm	0.48	0.46
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	10.0	8.3
Total Base Number (ASTM D2896)	7.1	7.1
High-Temperature/High-Shear Viscosity, cP (ASTM D5481)	2.78	3.52
Sulfated Ash Content, wt. %	0.80	0.80

APPLICATIONS
Use in diesel pickups, vans, cars and SUVs that require any of the following specifications:

0W-20 (DP020): GM dexosD

5W-30 (DP530): GM dexosD, dexos2; Chrysler MS-11106; Ford WSS-M2C214-B1; ACEA C2, C3; ILSAC GF-6A

Not for use in applications that require an API CK-4, SP or earlier API specification.

COMPATIBILITY
AMSOIL 100% Synthetic Diesel Oil is compatible with other conventional and synthetic oils. Mixing AMSOIL diesel oil with other oils, however, will reduce its performance benefits.

Aftermarket oil additives are **not recommended** for use with AMSOIL synthetic diesel oils.

SERVICE LIFE
AMSOIL 100% Synthetic Diesel Oil is recommended for the drain intervals stated by the original equipment manufacturer (OEM). Refer to the owner's manual for the specific oil change interval. Intervals may be extended beyond the OEM-recommended interval with oil analysis. Change oil filter at time of oil change.

TECHNICAL SERVICES
For immediate answers to your technical questions call (715) 399-TECH (8324) between 8 a.m. and 5 p.m. Central time or email tech@AMSOIL.com.

PRODUCT WARRANTY
Using AMSOIL synthetic lubricants or practicing extended drain intervals does not void your new vehicle or equipment manufacturer's warranty. All AMSOIL lubricants and filters are covered by the AMSOIL Limited Warranty. For complete information visit AMSOIL.com/warranty.aspx.

HEALTH & SAFETY
This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available online at AMSOIL.com or upon request at (715) 392-7101. **Keep Out of Reach of Children**. Recycle used oil and bottle.

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

FORMULATED, BLENDED AND PACKAGED IN THE USA

AMSOIL INC., 925 Tower Ave., Superior, WI 54880 • 715-392-7101 • Printed in the USA.
© 2024, AMSOIL INC. All rights reserved. The AMSOIL logo is a registered trademark of AMSOIL INC.

Buy Online