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DATA SHEET

Commercial-Grade Diesel Oil

Formulated for Long Engine Life



AMSOIL Commercial-Grade Diesel Oil is an advanced synthetic-blend oil with greater than 50% synthetic content. Specially engineered for commercial equipment, it provides 2X better wear protection,[1] helping you keep trucks and equipment operating at peak performance. AMSOIL Commercial-Grade Diesel Oil provides outstanding value and excellent protection for customers seeking an upgrade over conventional diesel oils.

Heavy-Duty Engine Protection

Wear on rings and cylinder liners leads to increased oil consumption and loss of compression, resulting in reduced horsepower and fuel economy. Third-party testing shows AMSOIL Commercial-Grade Diesel Oil delivers 2X more wear protection[1] to help maximize equipment life and reduce maintenance costs and downtime.

Viscosity Control

Formulated with greater than 50% synthetic content and high-performance detergent/dispersant additives, AMSOIL Commercial-Grade Diesel Oil minimizes viscosity change while keeping soot particles suspended independently, helping prevent the formation of larger, wear-causing particles.

Excels in Extreme Temperatures

AMSOIL Commercial-Grade 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 strong engine performance. AMSOIL Commercial-Grade Diesel Oil also flows dependably in cold temperatures for reliable startup and engine protection.

Minimizes Oil Consumption

AMSOIL Commercial-Grade Diesel Oil has a low rate of volatility (burn-off), reducing oil consumption during operation and passing less oil vapor into the combustion chamber. This contributes to fewer combustion-chamber deposits and longer aftermarket-system life.



Detroit Diesel DD13 Scuffing Test for Specification DFS 93K222

[1]Based on third-party testing in the Detroit Diesel DD13 Scuffing Test for specification DFS 93K222 using 10W-30 as worst-case representation.

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TYPICAL TECHNICAL PROPERTIES
AMSOIL Commercial-Grade Diesel Oil

	10W-30 (SBDT)	15W-40 (SBDF)
Kinematic Viscosity @ 100°C, cSt (ASTM D445)	12.1	15.2
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	81.3	112.1
Viscosity Index (ASTM D2270)	145	141
CCS Viscosity @ °C, cP (ASTM D5293)	5960 (-25)	5226 (-20)
Flash Point, °C (°F) (ASTM D92)	230 (446)	238 (460)
Fire Point, °C (°F) (ASTM D92)	250 (482)	248 (478)
Pour Point, °C (°F) (ASTM D97)	-38 (-36)	-36 (-33)
Four-Ball Wear Test (ASTM D4172), Scar, mm	0.46	0.46
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	4.8	4.6
Total Base Number (ASTM D2896)	10.0	10.0
High-Temperature/High-Shear Viscosity, cP (ASTM D5481)	3.5	4.6
Sulfated Ash Content, wt. %	1.0	1.0

APPLICATIONS
Use in diesel engines and, where appropriate, gasoline engines requiring any of the following specifications

- API CK-4, CJ-4, CI-4+, CF
- Volvo VDS4.5, VDS4, VDS3
- Mack EOS-4.5, EO-O
- Renault RLD-4, RLD-3
- Cummins CES20086, CES20081
- Caterpillar ECF-3, ECF-2, ECF-1-a
- DDC 93K218, 93K215, 93K214
- DFS 93K222
- ACEA E9, E7
- MB 228.31
- MAN 3575
- MTU Type 2.1, II, I
- JASO DH-2
- Deutz DQC III-10LA
- Chrysler MS 10902
- Ford WSS-M2C171-F1

COMPATIBILITY
AMSOIL Commercial-Grade Diesel Oil is compatible with other conventional and synthetic oils. Mixing AMSOIL diesel oil with other oils, however, will reduce its performance benefits.

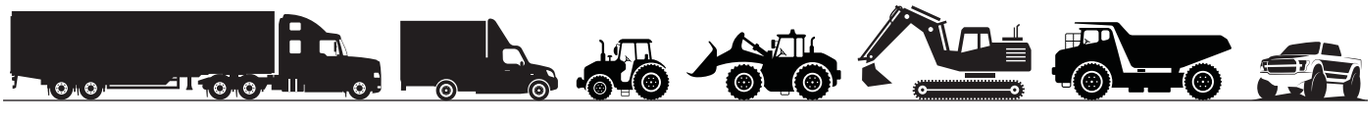
Aftermarket oil additives are **not needed or recommended** for use with AMSOIL diesel oils.

SERVICE LIFE
AMSOIL Commercial-Grade 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.

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 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 The First in Synthetics®

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

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