



PROTECTION | **PERFORMANCE**
you demand. | *you deserve.™*

DOMINATOR® 20W-50 Competition Diesel Oil

The Confidence to Compete, The Protection to Win

AMSOIL DOMINATOR® 20W-50 Competition Diesel Oil is designed for professionals and enthusiasts who demand the absolute best protection for their high-performance engines. It is specifically engineered to deliver the most important benefits for high-horsepower and turbocharged competition diesel engines, including superior bearing protection and robust durability that withstands extreme pressures and temperatures. Whether competing in sled pulls, drag races or dyno challenges, competitors using DOMINATOR Competition Diesel Oil enjoy confidence and security in knowing that their powerful diesel engines are receiving maximum protection and achieving maximum performance.



Wear Protection

Racing and high-performance diesel engines are modified to deliver maximum horsepower and torque. Their powerful designs create shearing forces that can cause oils to lose viscosity, leaving bearings, pistons and other components vulnerable to wear and failure. DOMINATOR 20W-50 Competition Diesel Oil delivers 50% more film thickness* to withstand high cylinder pressures and protect against wear. It is heavily fortified with zinc and phosphorus anti-wear additives to provide additional protection against scuffing and wear in severe conditions.

*compared to the 3.5cP HTHS limit for SAE 15W-40

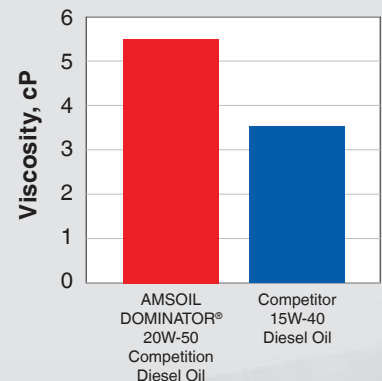
Viscosity Control

High-horsepower diesel engines push a lot of fuel, leading to fuel dilution. Fuel reduces the oil's viscosity. As the oil becomes thinner, it compromises the lubrication of critical components, increasing wear. DOMINATOR Competition Diesel Oil's robust formulation helps offset the damaging effects of fuel dilution by maintaining its protective viscosity longer.

Withstands Turbocharger Heat

Over time, turbos can suffer reduced performance or catastrophic failure. DOMINATOR Competition Diesel Oil is designed with an extremely durable 20W-50 synthetic formulation that contains maximum levels of oxidation-inhibitor additives to resist harmful oxidation and provide exceptional resistance to deposit formation, preserving turbocharger performance and life.

High-Temperature/High-Shear (HTHS) Viscosity ASTM D5481



TYPICAL TECHNICAL PROPERTIES

DOMINATOR® 20W-50 Synthetic Competition Diesel Oil (DCO)

Kinematic Viscosity @ 100°C, cSt (ASTM D445)	18.5
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	137.5
Viscosity Index (ASTM D2270)	151
CCS Viscosity @ °C, cP (ASTM D5293)	4118 (-15)
Pour Point, °C (°F) (ASTM D97)	-37 (-35)
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	3.7
Total Base Number (ASTM D2896)	10.1
High-Temperature/High-Shear Viscosity, cP (ASTM D5481)	5.5
Sulfated Ash Content, wt. %	1.0

APPLICATIONS

Use in performance-modified diesel engines that require any of the following specifications:

- API CK-4, CJ-4, CI-4+, CH-4
- Cummins 20081/20086
- Mack EO-O/EOS-4.5
- Volvo VDS3/VDS4/VDS4.5
- Caterpillar ECF-2, ECF-3, ECF-1-a
- Renault RLD-3/RLD-4
- Chrysler MS 10902
- Ford WSS-M2C171-F1

COMPATIBILITY

DOMINATOR 20W-50 Competition Diesel Oil is compatible with other conventional and synthetic engine oils. Mixing AMSOIL diesel oils with other oils, however, will shorten the oil's life expectancy and reduce its performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed.

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

SERVICE LIFE

DOMINATOR Competition Diesel Oil provides lasting protection for multiple events. Use oil analysis to determine appropriate drain interval.

Note: When not competing, follow OEM drain intervals or extend drain intervals based on oil analysis. Refer to your owner's manual for OEM drain interval recommendations and guidelines for severe and normal service.

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) available at AMSOIL.com or upon request at (715) 392-7101. Recycle used oil and bottle. **Keep Out of Reach of Children.**

WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit AMSOIL.com/warranty.aspx.



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