



The First in Synthetics®

SYNTHETIC 20W-50 RACING OIL

Unbeatable lubrication and protection in high-performance gasoline engines

Engines in race cars and high-performance street cars face high temperatures, vigorous engine speeds and heavy loads. AMSOIL Series 2000 20W-50 Synthetic Racing Oil offers unmatched protection for engines facing tough operating conditions.

Unbeatable Wear Protection

AMSOIL Series 2000 20W-50 Synthetic Racing Oil is specially formulated to carry the oil's wear reducing and heat transferring agents to the engine's surfaces and hold them there. By positioning vital agents where they are most needed, Series 2000 provides a degree of engine protection unavailable with any other oil.

AMSOIL Series 2000 20W-50 Synthetic Racing Oil clings tenaciously to engine surfaces, so it shields engines from start-up wear. Further enhancing wear protection, AMSOIL Series 2000 20W-50 Synthetic Racing Oil's wax-free lubricating base stocks assure rapid post-start-up lubrication.



AMSOIL Series 2000 20W-50 Synthetic Racing Oil contains powerful corrosion preventatives, detergents, dispersants and anti-foam agents to protect engines from the harmful effects of water, acids, debris, deposit-forming materials and air entrained oil.

Boosts Power, Speed and Efficiency

AMSOIL Series 2000 20W-50 Synthetic Racing Oil is a friction-reducing oil that minimizes power wasted on "drag." This extraordinary formulation helps vehicles accelerate fast, attain top speeds and use fuel efficiently.

Maintains Integrity in Demanding Conditions

AMSOIL Series 2000 20W-50 Synthetic Racing Oil maintains a constant high level of performance over time because it resists the damage many oils undergo in high temperature, intense shearing force conditions.

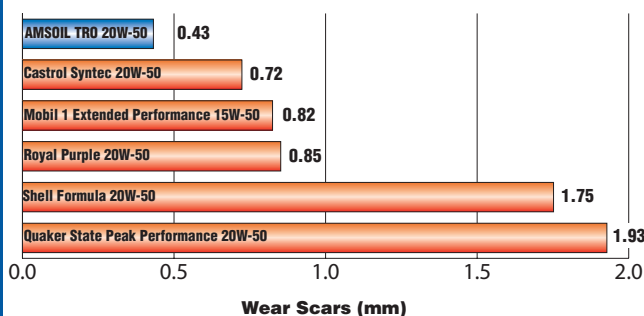
Advanced thermal stability allows AMSOIL Series 2000 20W-50 Synthetic Racing Oil to withstand high heat, resisting viscosity buildup common to lesser-quality oils.

Superior shear stability allows AMSOIL Series 2000 20W-50 Synthetic Racing Oil to provide a dependable pad of protection between parts even after exposure to shearing forces that tear lesser oils apart.

The smaller wear scar, the better the protection!

Four-Ball Wear Test (ASTM D-4172)

60 kg pressure @ 150° C, 1800 rpm, for 1 hour duration
As tested by an independent lab in 11/2005



TYPICAL PHYSICAL PROPERTIES

AMSOIL Series 2000 Synthetic 20W-50 Racing Oil (TRO)

Kinematic Viscosity @ 100°C, cSt (ASTM D 445)	18.3
Kinematic Viscosity @ 40°C, cSt (ASTM D 445)	130.6
Viscosity Index (ASTM D 2270)	157
Cold Crank Simulator Apparent Viscosity @ -15°C, cP (ASTM D 5293)5618 (-15)
High Temperature/High Shear @ 150°C and 1.0 X 10 ⁶ s ⁻¹ , cP (ASTM D 4683)	5.8
Pour Point, °C [°F] (ASTM D 92)	-39 (-38)
Flash Point, °C [°F] (ASTM D 92)	244 (471)
Fire Point, °C [°F] (ASTM D 92)	258 (496)
Noack Volatility (ASTM D-5800) 250°C for 1 hour, % weight loss	4.5
Four-Ball Wear Test (ASTM D 4172: 40 kg, 150°C, 1800 rpm, 1 hr) Scar diameter, mm	0.43
Total Base Number	12.1

Application

AMSOIL Series 2000 20W-50 Synthetic Racing Oil is recommended for applications requiring the following specifications:

- API SM/CF, SL, SJ ...
- Ford ESR-M2C 179A
- JASO VTW

Mixing AMSOIL

AMSOIL Series 2000 20W-50 Synthetic Racing Oil is compatible with conventional and synthetic oils. Mixing AMSOIL motor oils with other oils, however, will shorten the oil life expectancy and reduce the performance benefits. AMSOIL does not support extended drain intervals where oils have been mixed. Aftermarket oil additives are **not recommended** for use with AMSOIL motor oils.

Service Life

Extended drain intervals are not recommended for engines modified from the original manufacturers' design. Change oil at appropriate intervals in racing engines and where fuel dilution is a concern. Otherwise in stock, non-modified engines, follow original equipment manufacturers' drain interval recommendations

or extend drain intervals when monitored by oil analysis. For SAE 20W-50 synthetic oil that offers extended drain intervals in gasoline and diesel engines, see the AMSOIL Premium Protection SAE 20W-50 (ARO) data sheet (G-2212).





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