



LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

SEMI-SYNTHETIC SAE 10W-40 & 20W-50 RACING OIL



Lucas Semi-Synthetic SAE 10W-40 & 20W-50 Racing Oil is fortified with unique additives and additive packages developed jointly between Lucas Oil Products Research & Development and a major additive supplier to the petroleum industry exclusively for use in Lucas Oil Racing Only line. This premium racing oil contains high levels of zinc, molybdenum and phosphorus, which provides a tougher, thicker tribological film at critical engine points to provide maximum protection even under the most severe conditions. The base oils used to formulate this fine oil are premium API Group II paraffinic base stock and synthetic base oils as well as synthetic esters. Lower oil temperatures, extended oil life and minimum wear are the result. This mid-viscosity multi-grade oil provides good film strength between the cylinder wall and piston rings and controls oil burning with improved oil pressure even in worn engines, standing up to high operating temperatures. Lucas Semi-Synthetic SAE 10W-40 provides an excellent balance between cold temperature fluidity and good viscosity at high temperature. This premium racing oil is appropriate with all racing fuels. It is fully compatible with synthetic and non-synthetic oils.

Lucas Semi-Synthetic SAE 10W-40 & 20W-50 racing oil is typically used in Sprint Cars, Modified, Late Model Dirt & Asphalt, NHRA, IHRA, Sportsman Drag Racing, Super Comp, Off Road Pro 2 & 4, Trophy Trucks, Air Cooled Volkswagen Buggies, Hot Rods and Drifting.

PART NUMBER AND SIZE:

10W-40

10943 - 1 Quart (Case of 6)

10913 - 5 Quart (Case of 3)

10951 - 55 Gallon Drum

20W-50

10306 - 1 Quart (Case of 6)

10378 - 5 Quart (Case of 3)

FEATURES AND BENEFITS:

- Fortified with extra ZINC for severe racing applications
- Resists breakdown and contamination from exotic fuels such as nitro and methanol
- Resists thinning out at high crank-case temperatures

MAIN APPLICATIONS:

Lucas Semi-Synthetic SAE 10W-40 is for RACING APPLICATIONS ONLY. It is not recommended for passenger car use.



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TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	TYPICAL 10W-40	TYPICAL 20W-50
API Gravity	D-1298	27.8	29.56
Specific Gravity @ 60°F	D-1298	.888	0.879
Density @ 60°F, Lbs/US Gal	D-1298	7.40	7.32
Viscosity @ 40°C cSt	D-445	84.4	155
Viscosity @ 100°C cSt	D-445	13.9	19.9
Viscosity Index	D-2270	169	147
Color	Visual	Amber	Amber
Flash Point, PMCC °F	D-93	420	420
Cold Cranking Simulator @ -25°C, cP	D-5293	7,000 Max.	
Mini Rotary Viscometer @ -30°C, cP	D-4684	60,000 Max.	
Cold Cranking Simulator @ -15°C, cP	D-5293		9,500 Max.
Mini Rotary Viscometer @ -20°C, cP	D-4684		60,000 Max.

These characteristics are typical of current production. However, slight variations in these characteristics may occur.

LINKS AND ADDITIONAL INFORMATION:

For additional product or health and safety information, including product Safety Data Sheets, visit [LucasOil.com](https://www.LucasOil.com)