



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## CONVENTIONAL and SEMI-SYNTHETIC RACING OILS



Lucas Oil Racing Oils are high-performance lubricants fortified with unique additives and polymers to deliver the maximum engine performance and protection on the market today. Developed from years of racing experience, this line of premium racing oils contains high levels of zinc, molybdenum, and phosphorus, which chemically react with metal surfaces to form protective wear resistant films under the most severe operating conditions racing can offer. Our blend of conventional and synthetic base oils with unique polymers yields a tenaciously thick, shear-stable lubricant film that stands up to the toughest abuse during all racing conditions, including endurance or sprint racing, on the track or off-road. These oils help dissipate heat faster resulting in lower oil temperatures, extended oil life, and reduced deposit, sludge, and varnish formation. Offered in multiple viscosity grades for the broadest range of applications, Lucas Oil Racing Oils provide outstanding protection for cylinder walls and piston rings, help control oil burning, and boost oil pressure even in worn engines. Our unique chemistry is compatible with all racing fuels, and fully compatible with synthetic and non-synthetic oils.

Lucas Oil Racing Oils are 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:

**Conventional 10W-30:** 11016 – 1 Quart (Case of 6), 11017 – 5 Quart (Case of 3)

**Semi-Synthetic 10W-40:** 10943 – 1 Quart (Case of 6), 10913 - 5 Quart (Case of 3), 10951- 55 Gallon Drum

**Conventional 20W-50:** 10620 - 1 Quart (Case of 6), 10621 - 5 Quart (Case of 3), 10623 – 5 Gallon Pail (1 Pail), 10624 – 55 Gallon Drum

**Semi-Synthetic 20W-50:** 10306 - 1 Quart (Case of 6), 10378 - 5 Quart (Case of 3)

### FEATURES AND BENEFITS:

- Zinc and Moly fortified for extreme wear protection.
- Perfectly balanced performance High RPM engines.
- Proprietary, race proven chemistry not available anywhere else.
- Reduced fluid friction for more horsepower!
- Compatible with all fuel types including alcohols, alcohol blends, and high-octane race fuels.
- High thermal and shear stability to resist thinning out under extreme conditions.

### MAIN APPLICATIONS:

Lucas Oil Racing Oils are recommended for RACING APPLICATIONS ONLY. They are not recommended for passenger car use, or on vehicles equipped with modern emissions control devices.



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## TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	Conventional 10W-30	Semi-Synthetic 10W-40	Conventional 20W-50	Semi-Synthetic 20W-50
API Gravity	D4052	30.7	27.8	26.4	29.56
Specific Gravity @ 60°F	D4052	0.872	0.888	0.896	0.879
Density @ 60°F, Lbs/US Gal	D4052	7.29	7.40	7.46	7.32
Viscosity @ 40°C cSt	D445	71.33	84.4	166.1	155
Viscosity @ 100°C cSt	D445	10.49	13.9	19.5	19.9
Viscosity Index	D2270	134	169	135	148
Color	Visual	Amber	Amber	Amber	Amber
Flash Point, PMCC °F	D93	>400	>400	>400	>400

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)