



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## ENGINE BREAK IN OILS

Lucas Oil Engine Break-In Oils are specially formulated to aid in providing balanced wear protection and frictional performance during the break-in period of fresh engine builds or rebuilds. Developed using years of formulating experience, these oils deliver outstanding performance with balanced additives to aid in the setting of piston ring and liner contacts and ensure deposits and wear-in debris are well dispersed in the oil for easier filtration and draining. New or rebuilt high-performance engines or engines with flat tappets often experience greater sliding friction and require more zinc and phosphorus wear protection. Our formulations deliver up to 4400 ppm of Zinc to ensure your valve train is well protected and will keep running on the road or down the track. This makes Lucas Oil Engine Break-In Oils the ideal choice for the classic car owner, the vintage muscle car owner, the weekend racer, or automotive enthusiast. Available in 4 convenient viscosity grades to cover a broad range of engine architectures and builder needs.

Lucas Oil does not recommend this product for prolonged use in on-road vehicles equipped with catalytic converters due to the higher zinc content. After the initial break in period of approximately 500-1000 miles, the oil should be changed and inspected. When breaking in on a dynamometer, follow the advice of your engine builder.

### PART NUMBER AND SIZE:

**SAE 30** 10630 - 1 Quart (Case of 6), 10631 - 5 Quart (Case of 3), 10634 - 55 Gallon Drum (1 Drum)

**SAE 20W-50** 10635 - 1 Quart (Case of 6), 10636 - 5 Quart (Case of 3), 10639 - 55 Gallon Drum

### FEATURES AND BENEFITS:

- Delivers quicker, more efficient ring seal.
- Contains higher levels of zinc and phosphorus to ensure maximum protection.
- Requires no moly supplement and no additional additives.
- Compatible with methanol and high-octane race fuels.
- Recommend for use during initial break-in of both flat tappet and roller camshaft applications.
- Excellent product to establish a rebuilt engine prior to switching to Lucas Oil High-Performance Racing Motor Oils.

### MAIN APPLICATIONS:

Suitable for use when breaking-in a new or rebuilt engine. May be used routinely in classic cars (vehicles not equipped with catalytic converters) with flat tappets to protect from excessive camshaft wear.



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## TYPICAL PHYSICAL CHARACTERISTICS:

Properties	ASTM	SAE 30	SAE 20W-50
API Gravity	D4052	28.0	28.3
Specific Gravity 60 F	D4052	0.887	0.885
Density @ 60 F Lbs/US Gal	D4052	7.39	7.37
Viscosity @ 40 C cSt	D445	97.5	155.5
Viscosity @ 100 C cSt	D445	11.0	19.1
Viscosity Index	D2270	103	134
Flash Point, COC F	D92	400	450
Color		Amber	Amber

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](http://LucasOil.com)