



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## SYNTHETIC BLEND SAE 10W-30 CK-4 HEAVY DUTY ENGINE OIL



**Lucas Oil Synthetic Blend SAE 10W-30 CK-4 Motor Oil** is a premium Heavy Duty Motor Oil formulated with state-of-the-art additive chemistry to deliver maximum performance for modern diesel engines outfitted with emission control systems. The exceptional oxidation resistance formulated into this product gives maximum oil drain potential while protecting engines against unplanned down time. **Lucas Oil Synthetic Blend SAE 10W-30 CK-4 Motor Oil** is fully backward compatible with previous API standards CJ-4 and CI-4 Plus but is specially formulated for modern engines using Ultra-Low Sulfur Diesel Fuel. **Lucas Oil Synthetic Blend SAE 10W-30 CK-4 Motor Oil** provides excellent soot control and TBN retention as well improved shear stability, resulting in outstanding wear protection and retained lubricant film thickness over the life of the oil. This traditional heavy duty diesel engine oil also meets or exceeds the requirements of light duty specifications such as API SN and is especially well suited for higher mileage engines or for mixed fleets where older and newer vehicles can all use the same motor oil.

### PART NUMBER AND SIZE:

10282 – 1 Gallon  
10283 – 5 Gallon  
18017 – 6 Gallon BIB  
10284 – 55 Gallon  
10285 – 330 Gallon

### FEATURES AND BENEFITS:

- Maximum oxidation resistance and TBN retention for longer oil drain intervals
- Exclusive Lucas Oil formulation delivers maximum uptime.
- Supports modern diesel engines outfitted with emissions control technology.
- Excellent Soot Control, shear stability, and wear protection.

### SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS:

**Meets or exceeds:** API CK-4, CJ-4, CI-4 PLUS, CI-4, Cummins CES 20081, Caterpillar ECF-3, Detroit Diesel DFS 93K218, Volvo VDS-4, Mack EO-O Premium Plus, Renault RLD-4, RLD-3, Daimler MB 228.31, MAN M3575, MTU CATEGORY 2.1, FORD WSS-M2C171-F1.

**Approved by the following OEMs:** Detroit Diesel DFS 93K222, Mack EOS-4.5, Volvo VDS-4.5, Cummins CES 20086.

### MAIN APPLICATIONS:

Recommended for all engines specifying SAE 10W-30 heavy duty oil, CK-4 and previous standards, including CJ-4, CI-4 Plus, CI-4, SN and SM and OEM specifications, including Mack, Volvo, Caterpillar, Cummins, Detroit Diesel, Daimler, MAN, Renault and Ford.



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	TYPICAL
API Gravity	D4052	32.1
Specific Gravity @ 60°F	D4052	0.861
Density @ 60°F, Lbs/US Gal	D4052	7.18
Flash Point, PMCC °F	D93	455
Viscosity @ 40°C cSt	D445	80.0
Viscosity @ 100°C cSt	D445	12.1
Viscosity Index	D2270	146
Cold Cranking Simulator @ -25°C, cP	D5293	5,284
TBN	D2896	10.0
Visual Description		Clear amber fluid

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)