



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## SAE 15W-40 CK-4 HEAVY DUTY ENGINE OIL

**Lucas Oil SAE 15W-40 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 SAE 15W-40 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 SAE 15W-40 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:

20287 – 1 Gallon  
20288 – 5 Gallon  
20289 – 55 Gallon  
20292 – 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 15W-40 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, Paccar and Ford.



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## TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	TYPICAL
API Gravity	D-1298	31.5
Specific Gravity @ 60°F	D-1298	0.864
Density @ 60°F, Lbs/US Gal	D-1298	7.20
Flash Point, PMCC °F	D-93	465
Viscosity @ 40°C cSt	D-445	112
Viscosity @ 100°C cSt	D-445	15.5
Viscosity Index	D-2270	146
TBN	D-2896	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.ca](http://LucasOil.ca)