



LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

SYNTHETIC SAE 5W-40 CK-4 DIESEL ENGINE OIL



Lucas Oil Synthetic SAE 5W-40 API CK-4 Motor Oil is a fully synthetic, premium Heavy Duty Motor Oil designed specifically for operation in extremely cold temperatures. Our unique formulation couples synthetic base oils with premium additives to deliver improved low temperature flowability for easy starting and excellent high temperature film thickness for maximum protection and performance. This API CK-4 HD Motor Oil is fully backward compatible with prior API standards such as CJ-4. Lucas Oil Synthetic SAE 5W-40 Motor oil promises long drain intervals, better engine cleanliness, and improved wear protection and shear stability to reduce downtime and keep your truck on the road. Lucas Oil Synthetic SAE 5W-40 is perfect for modern heavy-duty diesel engines using ultra-low-sulfur fuels, and is formulated to keep emissions control equipment, such as DPF and SCR systems, protected and working.

PART NUMBER AND SIZE:

11178 – 1 Gallon
11165 – 5 Gallon
18011 – 6 Gallon
11166 – 55 Gallon
11167 – 330 Gallon
11168 – Bulk

FEATURES AND BENEFITS:

- Full Synthetic Formula.
- Improved Oxidation Resistance for longer oil life.
- Improved wear protection and shear stability for maximum performance.
- Low-ash formulation for emission system protection.
- Excellent soot control.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS:

Meets or Exceeds: CK-4, CJ-4, CI-4+, CI-4, SN and SM

MAIN APPLICATIONS:

Recommended for any application where SAE 5W-40 is specified. Meets or exceeds the requirements of API CK-4, CJ-4 and major heavy duty diesel powered trucks, busses and equipment, both on and off road, including: API CK-4; API SN; ACEA E9-16; VOLVO VDS-4.5; CATERPILLAR ECF-3; CUMMINS CES 20086; DETROIT DIESEL DFS 93K222; DAIMLER MB 228.31; MAN M3775; MTU CATEGORY 2.1; FORD WSS-M2C171-F1; DEUTZ DQC III-18 LA.



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TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	TYPICAL
API Gravity	D4052	34.4
Specific Gravity @ 60°F	D4052	0.853
Density @ 60°F, Lbs/US Gal	D4052	7.11
Flash Point, PMCC °F	D93	450
Viscosity @ 40°C cSt	D445	94.3
Viscosity @ 100°C cSt	D445	15.1
Viscosity Index	D2270	169
Cold Cranking Simulator @ -30°C, cP	D5293	5,738
TBN	D2896	10.2
Color	D1500	3.5

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)