



**PERFORMANCE PLUS OILS AND LUBRICANTS**  
PERFORMANCE UNDER THE MOST EXTREME CONDITIONS



AUTOMOTIVE ENGINE | AUTOMOTIVE DRIVELINE | HEAVY DUTY ENGINE | HEAVY DUTY DRIVELINE | HYDRAULIC | GEAR OILS | GREASES | INDUSTRIAL LUBRICANTS | ANTIFREEZE

## FULL SYNTHETIC HEAVY DUTY ENGINE OIL (CK-4)

**Performance Plus® Full Synthetic Heavy Duty Diesel Engine Oil** is specially designed to provide outstanding protection and performance. Formulated using synthetic technology and premium state-of-the-art performance additives; it delivers improved fuel economy, can extend drain intervals when used with a proper oil analysis program, provides superior wear protection as well as oxidation and deposit control. Additionally, it surpasses the latest heavy-duty OEM (Original Equipment Manufacturers) requirements and is approved for use with: Ultra Low and Low Sulphur Diesel (ULSD & LSD) fuels, Caterpillar® engines using ACERT technology, and engines equipped with emission control systems (EGR) and post-treatment systems (DPF or DOC). Performance Plus Full Synthetic 5W-40 CK-4 is engineered to provide outstanding high and low-temperature protection, superior wear protection and cleanliness, and enhanced friction reduction.

### PERFORMANCE PLUS PROPERTIES

SAE Viscosity Grade	5W-40
API Service Category	CK-4
Kinematic Viscosity cSt @ 40°C	93.9
cSt @ 100°C	15.3
Viscosity Index	173
CCS Viscosity cP @ -30°C	6,000
TBN	10.2
Evaporative Loss, NOACK, wt%	<13
Specific Gravity 15.6°C (60°F)	0.852
Flash Point, °C (°F)	230 (446)
Pour Point, °C (°F)	-45 (-49)
Color (ASTM)	2.5
Sulfated Ash, wt%	1.0

Note: Values shown above are representative of current production and may vary within modest ranges

### Approvals and Specifications

Performance Plus® Full Synthetic Heavy Duty Engine Oil has been formerly approved to meet the following specifications:

API CK-4  
API CJ-4

Since Performance Plus Full Synthetic Heavy Duty Engine Oils meet and can exceed the latest stringent OEM requirements, they are also suitable for use where the following specifications are recommended:

ACEA E9-16	Cummins CES 20086
Caterpillar ECF-3	Cummins CES 20081
Caterpillar ECF-2	Detroit Diesel DFS 93K222
Volvo VDS-4.5	Detroit Diesel DFS 93K218
Volvo VDS-4	Mack EOS-4.5
MTU Type 2.1	Mack EOS-4
MTU Type 2	Ford WSS M2C171-F1
Deutz DQC III-10 LA	Ford WSS M2C171-E
Deutz DQC III-10	Mercedes Benz 228.31
Renault Truck RLD-4	Mercedes Benz 228.3
Renault Truck RLD-3	

Information regarding recommended maintenance and equipment operating conditions can be found by referencing Original Equipment Manufacturer's (OEM) owner's manual and lubricant recommendations.

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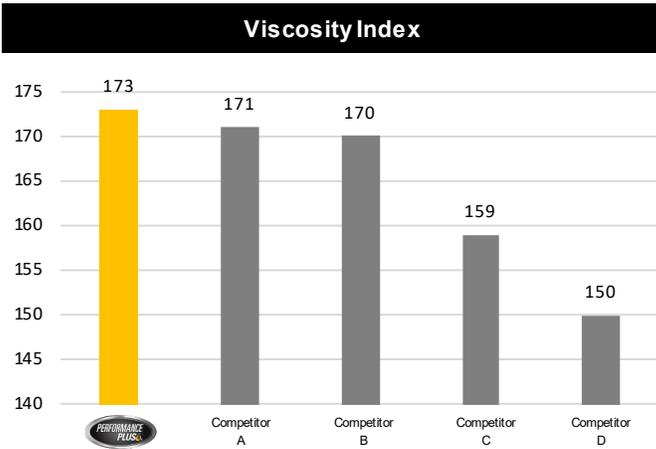
## FULL SYNTHETIC HEAVY DUTY ENGINE OIL (CK-4)

**Features and Benefits:** Today's heavy-duty trucks and fleets chose Performance Plus Full Synthetic Heavy Duty Engine Oil for its ability to provide advanced performance and extreme protection. Performance Plus is proven and trusted to deliver the highest quality engine oil to the industry today and in addition to superior performance and protection, Performance Plus Full Synthetic Heavy Duty Engine Oil offers:

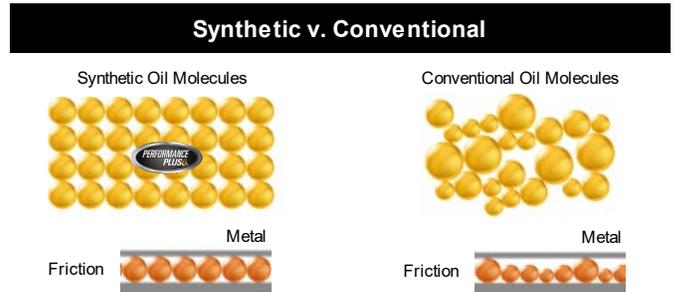
- Excellent cleanliness to reduce piston deposits
- Superior resistance to viscosity and thermal breakdown
- Outstanding soot control to protect against wear
- Enhanced resistance to oxidative thickening
- Protects against rust and bearing corrosion

- Maintains engine power and fuel efficiency
- Performing at extreme temperatures and RPMs
- Maximizing engine output
- Maintaining performance over long drain intervals
- Extending the overall life of the engine

**Proven and Trusted:** The foundation of all Performance Plus products is the tested, proven and trusted base oil which exceeds the performance of many of the major oil refiners. Our finished lubricants start at a higher level than the competition due to our formulated blend of high-quality base oils and additives.



Performance Plus® delivers exceptional performance at both low and high temperature environments, due to our product's superior resistance to temperature changes, beating out all the major competition.



Performance Plus® Full Synthetic Heavy Duty Engine Oil delivers superior lubrication to vital components faster and more efficiently v. formulas formulated using mineral base oils. The improved results include:

Enhanced Performance  
Extended Intervals  
Advanced Fuel Economy  
Quicker Start-ups  
Fewer Emissions

Enhanced Protection  
All-Weather Protection  
Improved thickening resistance  
Cleaner Oil  
Cleans deposits and sludge

**Health and Safety:** Information detailing health and safety can be found in the corresponding Safety Data Sheet on the Performance Plus website. Performance Plus products contain petroleum distillates and are not likely to pose any significant health or safety hazards. Gloves should be used to avoid any contact - should there be contact with skin, washing with soap and water is advised. If ingested, call a poison center or doctor - do not induce vomiting.

**Storage:** Performance Plus products should not be stored where the temperatures are above 140° F (60° C) or near sparks and flames. Products should be stored under cover and away from the reach of children. In case where drums cannot be under cover, they should be laid horizontally to avoid any potential contaminants.

**Disposal:** All efforts should be made to protect the environment. Please properly dispose of used motor oil and lubricants. Should you need any assistance please contact your sales representative for information on how Safety-Kleen's used motor oil collection services.

For additional questions, please contact your Performance Plus® Products Sales Representative.

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