



**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

## SYNTHETIC BLEND HEAVY DUTY ENGINE OILS (CK-4)

**Performance Plus® Synthetic Blend Heavy Duty Diesel Engine Oils** are formulated using premium, state-of-the-art performance additives and specially engineered KLEEN+ base oils. They are designed to exceed the latest heavy duty Original Equipment Manufacturer's (OEM) severity requirements and through their proprietary formula - provide outstanding oxidation resistance, exceptional thermal stability under extreme conditions (low and high temperatures), and improved wear protection. They are approved and licensed to meet or exceed the latest API CK-4 and ACEA E9 requirements and are recommended for the latest heavy-duty diesel, gasoline, and propane engines including those equipped with emission control (EGR) and post treatment (DPF or DOC) systems. Performance and Protection are the foundation of all Performance Plus products which is why they are designed to maintain power, perform, and protect engines in harsh driving conditions.

PERFORMANCE PLUS PROPERTIES		
SAE Viscosity Grade	10W-30	15W-40
API Service Category	CK-4	CK-4 / SN
Kinematic Viscosity		
cSt @ 40°C	83.5	115.8
cSt @ 100°C	12.2	15.4
Viscosity Index	142	140
CCS Viscosity		
cP @ -25°C	6000	
cP @ -20°C		4700
MRV Viscosity		
cP @ -30°C	22,000	
cP @ -25°C		20,000
TBN	10.0	10.0
Evaporative Loss, NOACK, wt%	10	8
Specific Gravity 15.6°C (60°F)	0.865	0.868
Flash Point, °C (°F)	235 (455)	245 (473)
Pour Point, °C (°F)	-39(-38)	-36(-33)
Color (ASTM)	L 4.0	L4.0
Sulfated Ash, wt%	1.0	1.0

### Approvals and Specifications

Performance Plus® Heavy Duty Engine Oils have been formally approved to meet or are suitable for use\* for the following specifications:

API CK-4	Mack EO-S 4.5
API CJ-4	ACEA E9*
API SN (15W-40)	Mercedes Benz 228.31*
Volvo VDS-4.5	Caterpillar ECF-3
Renault VI RLD-3	Cummins CES 20086
Deutz DQC III-10 LA*	Ford WSS M2C171-F1
MTU Category 2.1*	Detroit Diesel DFS 93K222

Since Performance Plus Heavy-Duty Engine Oils meet the latest stringent requirements of leading automobile manufacturers, they are suitable for the following OEMs (where applicable\*\*):

Navistar	Peterbilt
Mack	Mitsubishi
Freightliner	Kenworth
Caterpillar	Case
Volvo	Toyota
International	Hyundai
Ford	Komatsu
John Deere	Western Star

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

\*Meets the specification requirements.

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

Rev. 7/23



**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

## SYNTHETIC BLEND HEAVY DUTY ENGINE OILS (CK-4)

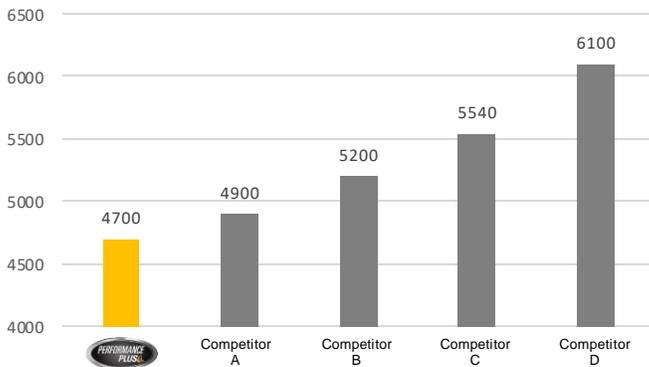
**Features and Benefits:** Power, protection and performance are what today's trucks and fleets demand, and Performance Plus Synthetic Blend Heavy Duty Engine Oils are specifically designed for power, protection, and performance. Trusted, proven, and tested quality are why those demanding the best turn to Performance Plus. In addition to performance and protection, Performance Plus Synthetic Blend Heavy Duty products offer:

- Excellent dispersion properties to control contamination
- Resists the formation of deposits
- Maintains viscosity across a wide temperature range
- Enhanced protection from wear
- Protects against rust and bearing corrosion

- Improving overall fuel economy
- Extending time between drain intervals
- Performing under the most extreme conditions
- Protecting critical components from damage
- Prolonging the life of the engine

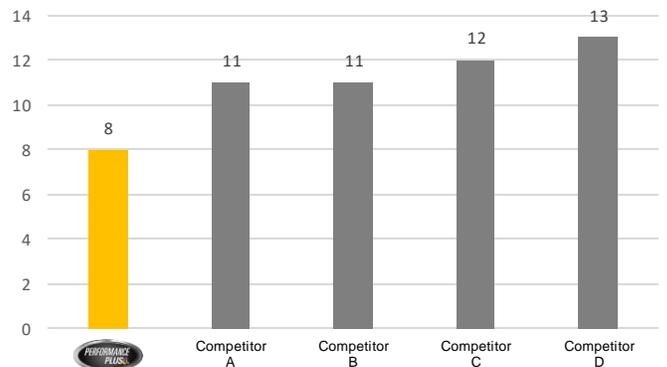
**Proven and Trusted:** The foundation of all Performance Plus products is the tested, proven and trusted base oil which exceeds the performance of many of the major oil refiners. Our finished lubricants start at a higher level than the competition due to our formulated blend of high-quality KLEEN+ base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

### Cold Crank



Performance Plus® delivers superior lubrication flow to vital components faster and more efficiently thus significantly reducing critical engine wear during cold temperature operation v. conventional formulations.

### NOACK



Performance Plus® uses KLEEN+ base oil to provide exceptional volatility performance resulting in less oil top off, less light end engine deposits, and excellent cold and high temperature viscosity performance v. conventional formulations.

**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.

Rev. 7/23