

Product Data Sheet

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**VISCOSITY UNITEK 3000K
Diesel Engine Oil
Semi Synthetic
SAE 10W-30 CK-4**

Engineered with Fluid Technology Solutions™, our expertly designed formulation provides high performance and an extended protection for your off-road equipment.



Your number one priority is making sure your off-road equipment is always on the move. It's the engine of your business! When your equipment operates in the most extreme conditions, there are three main enemies that could keep you from meeting your commitments: **Engine Deposits, Viscosity Control and Corrosion**. All three are aggravated by off-road's severe operating conditions and **can cause unplanned downtime**.

Description and Applications

VISCOSITY UNITEK 3000K Diesel Engine Oil SS SAE 10W-30 CK-4 is a universal diesel engine oil solution and **the top choice for the most severe weather conditions, where a greater fuel economy and superior cold start performance is required**, providing the protection your equipment needs to **keep your work in fluid motion**.



**Fuel
Economy**



**Cold
Weather**

VISCOSITY UNITEK 3000K Diesel Engine Oil SS SAE 10W-30 CK-4 is a high-performance low emission diesel engine oil formulated with highly refined base oils and high shear stability viscosity modifiers, providing extended protection, outstanding dispersion of soot, and excellent deposit control.

VISCOSITY UNITEK 3000K Diesel Engine Oil SS SAE 10W-30 CK-4 provides excellent wear protection, leading to a longer engine and Diesel Particulate Filter life. This product is formulated to be compatible and to exceed the requirements for new and older engines.

Benefits

VISCOSITY UNITEK 3000K Diesel Engine Oil SS SAE 10W-30 CK-4 can reduce your operating costs and improve equipment reliability by:

- Provides **enhanced fuel economy** and **outstanding protection** even in cold weather operating conditions
- **Better fluid film resistance** under severe mechanical stress to **deliver enhanced engine durability**
- **Outstanding protection for low emission engines** equipped with after-treatment systems such as SCR, DPF (Diesel Particulate Filter) and EGR (Exhaust Gas Recirculation).
- **Neutralizes corrosive acids** allowing your fleet engines to have **more durability and longer life**

- **Excellent thermal and oxidation stability** under high temperature, providing viscosity stability and preventing formation of deposits and sludge, **prolonging oil life even under severe conditions**

Provides smoother equipment operations through:

- **Effectively combats high concentration of soot build ups**, critical to **prevent loss of equipment horsepower**
- **Excellent low temperature viscosity for improved lubrication during start-up**

Approvals, Specifications and Recommendations

VISCOSITY UNITEK 3000K Diesel Engine Oil SS SAE 10W-30 CK-4 is a lubricant that meets the following performances:

- API CK-4, CJ-4, CI-4 Plus, CI-4, and CH-4.
- API SN, SM and SL
- MAT 3522
- ACEA E9-12/E7
- MACK EOS-4.5/EO-O PREMIUM PLUS/EO-N
- VOLVO VDS-4.5/4/3
- DDC 93K222/93K218
- DQC III-10-LA
- CES 20086/20081
- MB 228.31
- JASO DH-2 engine test requirement
- CAT ECF-3/ECF-2
- MAN 3775
- MTU TYPE 2.1
- RENAULT RLD-4/RLD-3
- FORD WSS M2C171-F1

Typical Physical Data

Parameters	Method	Unit	Typical Value
Appearance			Clear & Bright
Density @15°C	ASTM D4052	g/cm ³	0.87
Kinematic Viscosity @100°C	ASTM D445	cSt	12.2
Viscosity Index	ASTM D2270		140
Flash Point COC	ASTM D92	°C	223
Sulfated Ash	ASTM D874	%	1.0
TBN	ASTM D2896	mgKOH/g	10
CCS @ -25°C	ASTM D5293	cP	6300
Pour Point	ASTM D97	°C	-43

Note: Always consult your owner's manual to check recommended viscosity grade and specifications for your specific vehicle



All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to VISCOSITY's specification, variations in these characteristics may occur.

Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water. For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: www.viscosityoil.com

Important Note

VISCOSITY Documents and the information contained herein is believed to be accurate as of the date of printing. VISCOSITY Documents information provided is based on standard tests under laboratory conditions and is given only as a guide. Users are advised to ensure that they refer to the latest version of these VISCOSITY Documents. It is the responsibility of the users to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations imposed by the respective local authorities.

Safety Data Sheets are available for all our products and should only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either VISCOSITY or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortious action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representative in the event you require any further information.