

**Product Data Sheet**

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# VISCOSITY UNITEK 5000 Diesel Engine Oil Synthetic SAE 0W-40 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 5000 Diesel Engine Oil Synthetic SAE 0W-40 CK-4** is an API licensed universal diesel engine oil solution engineered to provide outstanding protection against extreme conditions and wear under severe-duty operation helping your equipment *to keep your work in fluid motion*.

**VISCOSITY UNITEK 5000 Diesel Engine Oil Synthetic SAE 0W-40 CK-4** is an API licensed high-performance low emission diesel engine oil formulated with the highest quality synthetic base oils and high shear stability viscosity modifiers, providing extended protection in the most extreme conditions, industry leading oxidation control, outstanding dispersion of soot, and excellent deposit control.

**VISCOSITY UNITEK 5000 Diesel Engine Oil Synthetic SAE 0W-40 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.



Severe Duty Protection



Cold Weather

## Benefits

**VISCOSITY UNITEK 5000 Diesel Engine Oil Synthetic SAE 0W-40 CK-4** can reduce your operating costs and improve equipment reliability by:

- **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 (Selective Catalytic Reduction), DPF (Diesel Particulate Filter) and EGR (Exhaust Gas Recirculation).
- **Neutralizes corrosive acids** allowing your fleet engines to have **more durability and longer life**
- **Exceptional 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**
- **Exceptional low temperature viscosity** for **improved lubrication during start-up**

## Approvals, Specifications and Recommendations

**VISCOSITY UNITEK 5000 Diesel Engine Oil Synthetic SAE 0W-40 CK-4** is an API licensed universal diesel engine oil solution designed to protect against wear under severe-duty that meets the following performances:

### Approvals and Specifications:

- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4, and SN.
- Cummins CES 20086
- Caterpillar ECF-3
- MAT 3571, MAT 3521

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

## Typical Physical Data

Parameters	Method	Unit	Typical Value
<b>Appearance</b>			Clear, Dark Amber
<b>Density @15°C</b>	ASTM D4052		0.844
<b>Kinematic Viscosity @100°C</b>	ASTM D445	cSt	14.4
<b>Viscosity Index</b>	ASTM D2270		174
<b>Flash Point COC</b>	ASTM D92	°C	226
<b>Sulfated Ash</b>	ASTM D874	% mass	1.0
<b>TBN</b>	ASTM D2896	mg KOH/g	10.2
<b>CCS @ -35°C</b>	ASTM D5293	cP	6000
<b>Pour Point</b>	ASTM D97	°C	-57

All technical data is provided for reference only. These characteristics are typical of current production. While 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](http://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 be 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.