

Product Data Sheet

Revised: 2020/12/09 (version 9)

**VISCOSITY UNITEK 3000LS
Diesel Engine Oil
SAE 15W-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 farming's severe operating conditions and can cause **unplanned downtime**.

Description and Applications

VISCOSITY UNITEK 3000LS Diesel Engine Oil SAE 15W-40 CK-4 is a universal diesel engine oil solution engineered to provide outstanding **protection against wear under severe-duty operation** helping your equipment to **keep your work in fluid motion**.



Severe Duty Protection



Wear Protection

VISCOSITY UNITEK 3000LS Diesel Engine Oil SAE 15W-40 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 3000LS Diesel Engine Oil SAE 15W-40 CK-4 oil provides an excellent wear protection, leading to a longer engine and Diesel Particulate Filter life.

Benefits

VISCOSITY UNITEK 3000LS Diesel Engine Oil SAE 15W-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, DPF (Diesel Particulate Filter) and EGR (Exhaust Gas Recirculation)
- **Neutralizes corrosive acids** allowing your fleet engines to have **more durability and longer life**
- **Enhanced thermal and oxidation stability under high temperature**, providing viscosity stability and preventing formation of deposits and sludge, **prolonging oil life even under severe conditions**

Approvals, Specifications and Recommendations

VISCOSITY UNITEK 3000LS Diesel Engine Oil SAE 15W-40 CK-4 is a lubricant that meets the following performances:

Approvals and Specifications:

- API CK-4, CJ-4, 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

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
Appearance			Clear & Bright
Density @15°C	ASTM D4052	g/cm ³	0.873
Kinematic Viscosity @100°C	ASTM D445	cSt	15.5
Viscosity Index	ASTM D2270		135
Flash Point COC	ASTM D92	°C	223
Sulfated Ash	ASTM D874	%	1.0
TBN	ASTM D2896	mgKOH/g	10
CCS @-20°C	ASTM D5293	cP	6000
Pour Point	ASTM D97	°C	-33

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 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.