



Fully Synthetic Diesel Engine Oil - API CK-4

CK-4 Diesel Engine Oil is formulated with hydro-treated base stocks and a tailored additive package that helps extend engine life. The proprietary formulation delivers excellent wear protection, outstanding oxidation stability, and outstanding TBN retention with long oil drain intervals. CK-4 oils also provides outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

Main Benefits

- Greater engine efficiency, longer engine life and oil life.
- Excellent oil consumption control / Excellent soot and viscosity control.
- Corrosion protection and extended drain intervals for both new and old engines.
- Outstanding oxidation stability / Outstanding TBN reserves.

Applications

Specifically engineered for engines operating under severe service in a wide range of climatic conditions and ambient temperatures. An ideal mixed fleet engine oil designed for naturally aspirated and turbocharged heavy-duty diesel engines in mobile and stationary equipment where the API CK-4 service category is specified.

Specification & Performance Standards

This low ash formulation meets API CK-4, CJ-4 requirements. SAE 10W30 grade also meets API FA-4 requirements. Further this family meets requirements of Ford WSS-M2C17-F1, Cummins CES 20086/87, DDC 93K 222/223, MAK EOS-4.5, Volvo VDS-4.5, Renault RLD-3, ACEA E7/E11-22, Mercedes Benz 228.5, MAN 3275/3575, Duetz DQC 1III-18 LA and Allison TES 439.

Typical Physical Characteristics

SAE Viscosity Grades	10W/30	10W/40	15W/40
Viscosity, cSt @ 40°C	73	100	112
Viscosity, cSt @ 100°C	11.5	14.8	15.0
Viscosity Index	154	154	139
Pour Point, °C	-33	-33	-39
Flash Point COC, °C	216	220	230
TBN, mg KOH/gm ASTM D 2896	10.0	10.0	10.0
Apparent Viscosity- Cp	6000 @ -25°C	6100 @ -25°C	6100 @ -20°C

Color Varies from Country to Country. Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. Advice and opinion noted herein are given in good faith and on the basis of the best information available, information is based on past history of the grade only and must not be construed as a guarantee of performance nor any legal liability is accepted by United Grease or any of its affiliates. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available with your nearest United Grease office or at www.unitedgrease.com. © United Grease and Lubricants Co LLC, 2022