



TRUCK FLEET ENGINE CK4 OIL:

Varouh Oil's Truck Fleet CK4

Engine Oil combines premium base stocks with next-generation additive technology to produce our most fuel-efficient cleanest burning, low-ash heavy duty engine oil to date.

15w/40 CK4 Synthetic Blend is formulated with the use of Eco Friendly, Low Ash additive technology to provide robust protection with increased fuel economy in on and off-road heavy-duty engines. It meets or exceeds nearly all of the next generation OEM specifications including those from Ford, Caterpillar, Cummins, Detroit Diesel, Mack, Volvo, Renault, Mercedes, MAN and Deutz.

15w/40 CK4 Synthetic Blend motor oils protect engines with Emission Controls, ECR engines, as well as older engines. This advanced additive technology provides improved wear protection, deposit and soot control, and improves oil consumption by neutralizing ash forming combustion by-products that cause harmful deposits. 15w/40 CK4 Synthetic Blend is an extended drain capable motor oil that prevents viscosity loss from shearing and reduces friction leading to longer engine life and improved fuel economy. Its high film strength makes 15w/40 CK4 Synthetic Blend suitable for both on and offroad, severe service driving conditions. It can be recommended for new engines requiring CK4 fluid and is backward compatible with API CJ-4, CI-4 PLUS, CI-4, and CH oils.

APPLICATIONS

- Severe service, heavy duty engines including those with EGR or DPF
- Off-highway agricultural, mining, logging, and construction applications
- On-highway semis, pick-ups, sport utilities, vans, buses, cars, motorcycles, and most other equipment requiring a low-ash, heavy duty engine oil

FEATURES/ BENEFITS

- Eco Friendly Low Ash formulation
- Increased fuel economy by using semi-synthetic base oils and advanced friction modifiers
- Neutralizes and disperses combustion by-products to prevent harmful deposits
- Improved protection from thermal and oxidative breakdown
- Excellent anti-wear, anti-foam, and anti-rust properties
- Excellent soot control
- High film strength provides robust performance in high load operating conditions
- Extremely shear stable preventing viscosity loss
- Compatible with both diesel and gasoline engines
- Improved TBN retention over previous diesel engine oils

RECOMMENDATIONS/SPECIFICATIONS

15w/40 CK4 Synthetic Blend meets or exceeds the following performance requirements or OEM specifications:

API CK-4, 0-4, CI-4+, CI-4, CFI-4

API SN (15W-40*)

ACEA E9-16
 DETROIT DIESEL DFS93K222[1], 18
 CUMMINS CES20086 1, 81
 FORD POWERSTROKE (WSS-W2C171-F1)
 MACK EOS-4-5
 MTU 2.1
 RENAULT RLD-4
 Allison TES-439
 CAT ECF-3, ECF-2
 VOLVO VDS-4-5 MB
 228.31
 MAN 3575
 DEUTZ DQC 111-10 LA
 JD Tier IV
 JASO DI-I-2

SAE Grade	15W- 40
Viscosity @ 40 °C, cSt	118
Viscosity @ 100 °C, cSt	15.4
Viscosity Index	140
Sulfated Ash, m%	1.0
Pour Point, °c	-38
HTHS @ 150 °C	4
Flash Point, °c (COC)	229
Total Base Number, mg KOH/g	9.7
Phosphorous, m%	0.113