

VIRO-TEC Fully Synthetic Diesel Engine Oil SAE 10W40 CK-4/E9

Product Description

VIRO-TEC 10W-40 CK-4 is a premium synthetic technology heavy-duty diesel engine oil designed to deliver superior engine protection and performance. Formulated with advanced Inno-Boost Technology, it offers excellent anti-oxidation stability, prolonging oil life and maintaining viscosity under severe conditions. Its "Low SAPS" formulation is tailored for modern low-emission engines equipped with advanced emission control systems, including Diesel Particulate Filters (DPFs), Selective Catalytic Reduction (SCR), and Exhaust Gas Recirculation (EGR).

Application

- Recommended for high-speed, four-stroke diesel engines requiring API CK-4 performance.
- Compatible with Euro V/VI and US EPA 2007/2010 compliant engines, as well as older models.
- Suitable for on-road (trucks, buses) and off-road (mining, construction, agricultural) applications.
- Ideal for fleets with mixed brands and engine models.

Performance Benefits

- Inno-Boost Technology: Maintains viscosity stability and reduces oxidation.
- Extended Drain Capability: Ensures durability under extended service intervals.
- Low SAPS Technology: Protects emission control systems and minimizes deposits.
- Engine Cleanliness: Advanced detergents and dispersants combat soot and deposits.
- Fuel Economy: Enhanced formulation reduces fuel consumption.
- Temperature Performance: Exceptional flow at low temperatures and stability at high temperatures.

Meets and Exceeds

API:

- CK-4, CJ-4, CI-4 PLUS

ACEA:

- E4, E7, E9, E11

JASO :

- DH-2

OEM Approvals:

- MAN M 3775, MACK EOS-4.5, EO-O Premium Plus, Renault Trucks RLD-2, RLD-3, Volvo VDS-3, VDS-4, VDS-4.5, DQC IV-18 LA.
- Cummins CES 20081, CES 20086, DTFR 15C110, MAN M 3271-1, M 3575, IVECO 18-1804 TLS E9, MAN M 3477, Scania Low Ash, Caterpillar ECF-3, DAF Extended Drain.

Typical Properties

Property	Method	Units	Value
Density @ 15°C	ASTM D4052	g/cm ³	0.8546
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	97.44
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	14.56
Viscosity Index	ASTM D2270	-	155
Pour Point	ASTM D97	°C	-39
Flash Point	ASTM D92	°C	240
TBN	ASTM D2896	mg KOH/g	10.15
Sulfated Ash	ASTM D874	% wt	0.56

Care and Handling

- Store in a cool, dry place away from direct sunlight.
- Avoid prolonged skin contact. Use proper disposal methods for used oil.

