

VIRO-TEC Fully Synthetic Diesel Engine Oil SAE 10W-30 CK-4/SN

Product Description

VIRO-TEC 10W-30 CK-4/SN is a fully synthetic heavy-duty engine oil designed to deliver outstanding protection, enhanced fuel efficiency, and long drain intervals. Its advanced low-SAPS formulation is tailored to meet the rigorous demands of modern diesel engines with emission control systems, including EGR, DPF, and SCR technologies, as well as older engines requiring high-performance oil.

Application

- Suitable for naturally aspirated and turbocharged diesel engines in commercial vehicles, buses, and off-highway machinery.
- Compatible with modern engines compliant with Euro IV, V, and VI emission standards and older engines.
- Provides reliable performance in severe operating conditions, including extreme temperatures.

Performance Benefits

- **Enhanced Protection:** Advanced anti-wear additives ensure engine longevity even under high loads and soot conditions.
- **Fuel Efficiency:** Reduces friction to improve fuel economy.
- **Emission System Durability:** Protects DPFs and catalytic converters with its low-SAPS composition.
- **Extended Drain Intervals:** Robust formulation supports longer oil change intervals as recommended by manufacturers.
- **Engine Cleanliness:** Superior dispersant and detergent properties minimize deposits and keep engines clean.
- **All-Weather Performance:** Excellent cold start and high-temperature stability.

Meets and Exceeds

Meets :
API : CK-4 / SN , ACEA E11 , JASO DH-2

Approvals :

- Cummins CES 20086
- DTFR 15C110 (MB 228.51)
- DTFR 15C100 (MB 228.31)
- DFS) 93K222
- DEUTZ DQC III-18 LA
- Mack EOS-4.5
- MAN M3775
- MTU Category 2.1
- Renault RLD-3
- Volvo VDS-4.5
- Caterpillar ECF-3
- MAN M3575

Typical Properties

Property	Method	Units	Value
SAE Grade	SAE J300	-	10W-30
Density @ 15°C	ASTM D1298	g/cm ³	0.8568
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	78.62
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	12.11
Viscosity Index	ASTM D2270	-	150
Pour Point	ASTM D97	°C	-42
Flash Point (COC)	ASTM D92	°C	240
Sulfated Ash	ASTM D874	% wt	0.56
Total Base Number (TBN)	ASTM D2896	mg KOH/g	10.15



Health, Safety, and Environment

- Fully compliant with global safety and environmental standards.
- Dispose of used oil responsibly at authorized collection points.
- Safety Data Sheet (SDS) available upon request.

Care and Handling

- Store in a cool, dry place away from direct sunlight.
- Ensure containers are sealed tightly to prevent contamination.
- Avoid prolonged skin contact; wash thoroughly with soap and water after handling.

