

VIRO-TEC Fully Synthetic Diesel Engine Oil SAE 0W40 CJ-4

Product Description

VIRO-TEC 0W40 CJ-4 is a high-performance, full synthetic diesel engine oil engineered for advanced emission-control systems. Designed for use in modern diesel engines equipped with diesel particulate filters (DPFs), exhaust gas recirculation (EGR), and selective catalytic reduction (SCR) systems, this oil provides robust protection against wear, soot, deposits, and oxidation. Its low-SAPS (Sulphated Ash, Phosphorus, Sulfur) formulation ensures compatibility with emission after-treatment systems, extending their lifespan. This product delivers exceptional performance under severe operating conditions, from extreme cold starts to high-temperature, high-load operations. It is also suitable for legacy engines requiring superior engine protection.

Application

- Suitable for 4-stroke naturally aspirated and turbocharged diesel engines.
- Compatible with on-highway trucks, buses, and off-highway equipment.
- Supports Tier IV and Euro VI engines equipped with advanced after-treatment systems.
- Compatible with ultra-low sulfur diesel fuels and biodiesel blends.

Performance Benefits

- **Advanced Emission System Protection:** Low-SAPS formulation minimizes ash and particle buildup in DPFs and catalysts.
- **Exceptional Soot and Deposit Control:** Prevents wear and extends engine life.
- **Wide Temperature Range Performance:** Ensures smooth cold starts and stability at high operating temperatures.
- **Outstanding Oxidation and Thermal Stability:** Resists oil breakdown under severe conditions.
- **Extended Drain Capabilities:** Enables prolonged intervals between oil changes (as per OEM recommendations).

Meets and Exceeds

Meets:

- API CJ-4 / SM
- ACEA E9 / E7

Approvals:

- Mack: EO-O Premium Plus 07', EO-N Premium Plus 03, EO-M Plus, EO-M
- Volvo: VDS-4, VDS-3
- Cummins: CES 20081
- Caterpillar: ECF-3, ECF-2
- Detroit Diesel: 93K218, 93K215, 93K214
- Mercedes-Benz: 228.31
- Global: DHD-1

Typical Properties

Property	Method	Value
Viscosity Grade	SAE J300	0W-40
Kinematic Viscosity @ 40°C	ASTM D445	84.62 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D445	14.55 mm ² /s
Viscosity Index	ASTM D2270	180
CCS Viscosity @ -35°C	ASTM D5293	5,600 cP
Pour Point	ASTM D97	-51°C
Flash Point	ASTM D92	223°C
Total Base Number (TBN)	ASTM D2896	9.80 mg KOH/g
Sulfated Ash	ASTM D874	0.56 % wt



Health, Safety, and Environment

- **Health & Safety:** Avoid prolonged skin contact. Wash thoroughly with soap and water after handling. Do not ingest.
- **Environmental Protection:** Dispose of used oil responsibly at authorized collection points. Do not release into drains, soil, or water.

Usage and Storage Instructions

- **Usage:** Always refer to your vehicle manufacturer's recommendations for proper use. Follow the specified drain interval for optimal performance.
- **Storage:** Store in a cool, dry area away from direct sunlight and extreme temperatures. Keep containers tightly closed when not in use.

