

## VIRO-TEC Fully Synthetic Diesel Engine Oil SAE 10W40 CJ-4

### Product Description

**VIRO-TEC 10W-40 CJ-4/SM** is a premium fully synthetic heavy-duty diesel engine oil engineered for modern diesel engines meeting stringent emission standards, including Euro I to Euro VI. It delivers exceptional protection, efficiency, and performance for vehicles with advanced emission control systems such as Diesel Particulate Filters (DPFs), Exhaust Gas Recirculation (EGR), and Selective Catalytic Reduction (SCR). Formulated for extended drain intervals, it ensures engine durability under extreme operating conditions.

### Performance Benefits

- **Extended Oil Drain Capability:** Optimized for extended intervals up to 120,000 km (subject to manufacturer guidelines and operating conditions).
- **Enhanced Engine Protection:** Prevents wear, deposits, and acid buildup, even under severe conditions.
- **Low SAPS Formulation:** Protects sensitive after-treatment devices like DPFs and ensures compliance with emission regulations.
- **Improved Cold Start Performance:** Maintains excellent flow and protection at low temperatures.
- **Outstanding Oxidation Stability:** Resists oil breakdown under high-temperature operations.
- **Fuel Efficiency:** Formulated to reduce fuel consumption and improve engine efficiency.

### Application

- Designed for use in high-performance diesel and gasoline engines, with or without turbochargers.
- Recommended for modern diesel engines with DPFs and older engine technologies.
- Suitable for commercial road transport, off-highway equipment, and mixed fleets.
- Meets Euro I to Euro VI emission standards and Tier IV compliance.

### Meets and Exceeds

- ACEA Standards:** E6, E7, E9  
**API Service Levels:** CJ-4, SM  
**OEM Approvals:**
- CAT ECF-3
  - Cummins CES 20081
  - Deutz DQC IV-10LA
  - Mack EO-O Premium Plus
  - MAN M 3271-1, M 3477
  - MB-Approval 228.51
  - MTU Oil Category 3.1
  - Renault RLD-3
  - Volvo VDS-4, Volvo CNG

### Typical Properties

Property	Method	Units	Value
Density @ 15°C	ASTM D1298	g/ml	0.8546
Kinematic Viscosity @ 40°C	ASTM D445	mm <sup>2</sup> /s	97.04
Kinematic Viscosity @ 100°C	ASTM D445	mm <sup>2</sup> /s	14.38
Viscosity Index	ASTM D2270	-	153
Sulphated Ash	ASTM D874	% wt	0.46
Total Base Number (TBN)	ASTM D2896	mg KOH/g	9.75
Pour Point	ASTM D97	°C	-42
Flash Point	ASTM D92	°C	240
Apparent Viscosity by CCS @ -25°C	ASTM D5293	mPa.s (cP)	5165



## Health & Safety

- Ensure safe handling by avoiding prolonged skin contact and inhalation of fumes.
- Dispose of used oil responsibly at authorized collection points.
- For further details, refer to the Safety Data Sheet (SDS).

## Packaging & Storage

### Packaging:

- Available in 1L, 4L, 20L, and 205L containers.

### Storage:

- Store in a cool, dry, and well-ventilated place away from direct sunlight.
- Keep containers sealed to avoid contamination.
- Avoid storing above 60°C or in freezing conditions.

