

## VIRO-TEC Semi Synthetic Diesel Engine Oil SAE 10W30 CI-4/SL

### Product Description

**VIRO-TEC 10W30 CI-4** is a premium-quality semi-synthetic diesel engine oil specifically engineered for modern and legacy diesel engines, including those equipped with Exhaust Gas Recirculation (EGR) systems. Its advanced formulation ensures superior engine cleanliness, high-temperature performance, and exceptional wear protection. Designed for both light-duty and heavy-duty commercial applications, this lubricant guarantees extended engine life and fuel efficiency.

### Application

- Suitable for diesel engines requiring API CI-4 and gasoline engines requiring API SL.
- Ideal for SUVs, light-duty trucks, vans, passenger cars, and commercial vehicles operating under severe conditions.
- Compatible with turbocharged, intercooled, and naturally aspirated engines.

### Performance Benefits

- **Enhanced Detergency:** Effectively controls soot deposits and sludge buildup for cleaner engine operations.
- **Superior Wear Protection:** Advanced anti-wear technology prolongs engine and component life.
- **Thermal Stability:** Excellent resistance to oil thickening, ensuring stable viscosity even under extreme heat.
- **Low Oil Consumption:** Optimized evaporation control reduces the need for frequent top-ups.
- **Smooth Cold Starts:** Outstanding low-temperature fluidity minimizes wear during startup.
- **Fuel Efficiency:** Reduces friction for improved fuel economy.
- **Versatile Compatibility:** Suitable for mixed fleets using synthetic, mineral, or semi-synthetic oils.

### Meets and Exceeds

#### Meets :

- API :CI-4/SL
- ACEA E7-22
- JASO DH-1

#### Approvals :

- DTFR 15B110 (MB 228.3)
- MAN 3275 , Volvo VDS-3
- Deutz DQC-II , Deutz DQC-III
- MTU 2.0 , Mack EO-M+
- Mack EO-N
- Cummins CES 20078
- Caterpillar ECF-2
- Renault RLD-2
- Global DHD-1
- DDC 93K215
- ZF TE-ML 21K

### Typical Properties

Property	Method	Results
Density @ 15°C	ASTM D4052	0.8568 g/cm <sup>3</sup>
Viscosity @ 40°C	ASTM D445	79.69 mm <sup>2</sup> /s
Viscosity @ 100°C	ASTM D445	12.18 mm <sup>2</sup> /s
Viscosity Index	ASTM D2270	149
Pour Point	ASTM D97	-36°C
Flash Point	ASTM D92	240°C
Total Base Number (TBN)	ASTM D2896	11.25 mg KOH/g



## Storage and Handling

- Store in a cool, dry place away from direct sunlight or extreme temperatures.
- Avoid contamination by ensuring containers remain tightly sealed when not in use.
- Follow manufacturer-recommended oil change intervals and always consult the vehicle's maintenance manual.

## Health, Safety and Environment

VIRO-TEC 10W30 CI-4 is formulated to comply with global safety standards. Handle with care and avoid prolonged contact with skin. Dispose of used oil responsibly at authorized collection points in compliance with local regulations.

