

VIRO-TEC Semi Synthetic Diesel Engine Oil SAE 15W-40 CI-4/SL

Product Description

VIRO-TEC 15W40 CI-4 is a premium semi-synthetic diesel engine oil designed for high-performance applications in modern and older engines. It ensures outstanding engine cleanliness, wear protection, and optimal performance under severe conditions. Suitable for engines fitted with Exhaust Gas Recirculation (EGR) systems, it supports extended drain intervals and exceptional durability for mixed fleet maintenance, including construction machinery, generators, buses, and farm equipment.

Application

- For American or Japanese engines (naturally aspirated or turbocharged).
- Ideal for trucks, buses, marine engines, bulldozers, and other heavy-duty equipment.
- Suitable for vehicles requiring API CI-4, ACEA E7, and other listed approvals.
- Compatible with synthetic and mineral oils.

Performance Benefits

- **High Thermal Stability:** Controls oil thickening and deposit formation for long engine life.
- **Excellent Soot Management:** Ensures optimal engine cleanliness and durability under heavy-duty conditions.
- **Wear Protection:** Advanced anti-wear and anti-oxidation properties maintain engine health.
- **Lower Oil Consumption:** Good oil evaporation control reduces consumption.
- **Broad Compatibility:** Backward compatibility with older engines and mixed fleet operations.

Meets and Exceeds

- **API:** CI-4/SL, CH-4, CG-4
- **ACEA:** E7
- **JASO DH-1**

OEM Approvals

- DTFR 158110 (MB 228.3), MAN 3275, Volvo VDS-3, Deutz DQC-II, Deutz DQC-III, MTU 2.0, Mack E0-M+, Mack E0-N, Cummins CES 20078, Caterpillar ECF-2, Caterpillar TO-2, Renault RLD-2, Global DHD-1, Allison C3, DDC 93K215, ZF TE-ML 04P, ZE TE - ML 07D

Storage and Handling

- Store under cover to prevent contamination and exposure to sunlight or extreme temperatures.
- Ideal storage temperature: Below 60°C.
- Avoid freezing conditions.

Health, Safety and Environment

VIRO-TEC 15W40 CI-4 is designed to minimize environmental impact. Follow local regulations for disposal. Consult the Safety Data Sheet (SDS) for additional guidance.

Typical Properties

Property	Method	Units	Value
Density @ 15°C	ASTM D4052	g/ml	0.8587
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	97.59
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	14.51
Viscosity Index	ASTM D2270	-	154
Total Base Number (TBN)	ASTM D2896	mg KOH/g	11.25
Pour Point	ASTM D97	°C	-30
Flash Point	ASTM D92	°C	240

