

VIRO-TEC Semi Synthetic Diesel Engine Oil SAE 15W40 CI-4 PLUS

Product Description

VIRO-TEC 15W40 CI-4 Plus is an advanced heavy-duty diesel engine oil designed for high-performance diesel engines operating under extreme conditions. Formulated to exceed API CI-4 Plus specifications, this oil provides enhanced protection against wear, deposits, and oil degradation. It is suitable for modern engines equipped with EGR systems, older models, and mixed fleet operations. The advanced additive system ensures extended oil drain intervals, superior engine cleanliness, and reduced maintenance costs.

Application

- Suitable for modern Euro II, III, and select Euro IV engines.
- Designed for vehicles with EGR systems.
- Applicable for trucks, construction machinery, generators, buses, agricultural equipment, and marine engines.
- Ideal for mixed fleets requiring API CI-4 Plus or similar specifications.

Performance Benefits

- **High thermal and oxidation stability:** Reduces sludge, deposits, and viscosity increase.
- **Superior detergency and dispersancy:** Keeps engines clean, prolonging component life.
- **Exceptional TBN retention:** Provides deposit control, neutralizes acids for longer oil life.
- **Robust shear stability:** Ensures viscosity retention under extreme pressures.
- **Advanced soot handling:** Prevents oil thickening and maintains performance in sooty environments.
- **Excellent low-temperature properties:** Ensures smooth engine starts and minimizes wear at cold temperatures.
- **Component compatibility:** Prolongs the life of seals, gaskets, and emission systems.

Meets and Exceeds

Meets :

- API: CI-4 Plus, CI-4, CH-4
- ACEA: E7
- JASO DH-1

Approvals :

- DTFR 15B110 (MB 228.3), MAN 3275, Volvo VDS-3, Deutz DQC-II/III, MTU 2.0, Mack EO-M+, Mack EO-N, Cummins CES 20077/78, Caterpillar ECF-1a/2, Renault RLD-2, Global DHD-1, DDC 93K214/215, ZF TE-ML 04P, ZF TE-ML 07D, TATA Motors TSS 6576

Meets and Exceeds

- Store under cover to prevent contamination.
- Avoid storage above 60°C or in freezing conditions.
- Dispose of used oil responsibly at authorized collection points to protect the environment.

Typical Properties

Property	Method	Units	Value
Density @ 15°C	ASTM D4052	g/ml	0.8578
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	97.61
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	14.78
Viscosity Index	ASTM D2270	-	158
Total Base Number (TBN)	ASTM D2896	mg KOH/g	13.21
Pour Point	ASTM D97	°C	-36
Flash Point	ASTM D92	°C	242
Sulfated Ash	ASTM D874	% wt	1.18

