

VIRO-TEC Fully Synthetic Diesel Engine Oil SAE 5W30 CJ-4

Product Description

VIRO-TEC 5W-30 CJ-4 is a premium full synthetic heavy-duty diesel engine oil, engineered with advanced low-friction technology to enhance fuel economy and provide superior engine protection. It is formulated for modern low-emission diesel engines equipped with diesel particulate filters (DPFs), as well as older trucks and buses, ensuring compatibility and performance under extended oil drain intervals.

Application

- Recommended for use in diesel engines with advanced emission control systems, including DPFs and catalytic converters.
- Suitable for four-stroke naturally aspirated and turbocharged diesel engines.
- Effective in both high-speed, high-load highway driving and stop-and-go urban transport.
- Meets requirements for Tier IV and Euro VI emission standards.

Performance Benefits

- **Fuel Economy:** Proprietary low-friction technology improves fuel efficiency compared to conventional oils like SAE 15W-40.
- **Extended Drain Intervals:** Tested for durability under extended oil change intervals as recommended by engine manufacturers.
- **Cold Start Performance:** Exceptional low-temperature properties ensure smooth engine startup and reduced wear in cold conditions.
- **Advanced Wear Protection:** Shields against engine wear even in the presence of soot and other contaminants.
- **Emission System Efficiency:** Low-SAPS formulation ensures DPF efficiency and prolonged emission system life.
- **Engine Cleanliness:** Robust detergent and dispersant additives control soot, sludge, and piston deposits, extending engine life.
- **Reduced CO₂ Emissions:** Optimized fuel usage minimizes environmental impact.

Performance Standards and Approvals

Approvals and Meets:

- **ACEA Specifications:** ACEA E4-16, E6-16, E7-16, E9-16
- **API & JASO Standards:** API CJ-4, API SM, JASO DH-2

OEM Approvals:

- CATERPILLAR ECF-3, CUMMINS CES 20081, DETROIT DIESEL DFS 93K218, DEUTZ DQC IV-10 LA, MACK EO-M PLUS, EO-N Premium Plus, EO-O Premium Plus, MAN M3271-1, M3477, M3575, M3677, M3691, MB 228.31, MB 228.51, MB 235.28, MTU Oil Categories 2.1 & 3.1, RENAULT RGD, RLD-2, RLD-3, RXD, SCANIA LDF-4, VOITH Retarder Oil Class B, VOLVO CNG, VDS-3, VDS-4.

Typical Properties

Property	Method	Value
Density @ 15°C	ASTM D4052	0.8465 g/ml
Kinematic Viscosity @ 100°C	ASTM D445	12.11 mm ² /s
Kinematic Viscosity @ 40°C	ASTM D445	69.81 mm ² /s
Viscosity, CCS @ -30°C	ASTM D5293	5,750 mPa.s (cP)
Viscosity Index	ASTM D2270	172
Noack Volatility	CEC L-40-A-93	9.50 % Loss
Sulphated Ash	ASTM D874	0.56 % wt
Total Base Number (TBN)	ASTM D2896	9.75 mg KOH/g
Pour Point	ASTM D97	-39 °C
Flash Point	ASTM D92	230 °C



Safety and Environment

- Fully compliant with global safety regulations.
- GHS-compliant Safety Data Sheets (SDS) are available upon request.
- Always dispose of oil in compliance with local environmental regulations.

Care and Handling

- Avoid prolonged or repeated skin contact. Wash skin thoroughly with soap and water after handling.
- Dispose of used oil responsibly at authorized collection points.

Packaging and Storage

- Store in a cool, dry place away from direct sunlight.
- Do not store above 60°C or in freezing conditions.
- Ensure containers are tightly sealed when not in use to avoid contamination.

