

VIRO-TEC Fully Synthetic Diesel Engine Oil SAE 10W30 FA-4

Product Description

VIRO-TEC 10W30 FA-4 is an advanced synthetic blend diesel engine oil, specifically formulated to meet the demands of modern, fuel-efficient diesel engines. Designed for use in vehicles where API FA-4 oils are recommended, this oil ensures superior engine protection, outstanding fuel economy, and extended oil life. Developed for heavy-duty applications, VIRO-TEC 10W30 FA-4 reduces operational costs while maintaining engine cleanliness and optimal performance.

Application

- Designed for use in modern, high-efficiency heavy-duty diesel engines where API FA-4 oils are recommended.
- Suitable for engines equipped with advanced emission control systems, including DPF, DOC, and SCR.
- Ideal for both high-speed, long-haul applications and short-haul, pickup, and delivery services.

Performance Benefits

- **Enhanced Fuel Efficiency:** Reduces engine drag, providing greater fuel economy compared to conventional SAE 10W-30 oils.
- **Extended Oil Drain Intervals:** Engineered for longer oil life, with potential up to 50% beyond OEM recommendations (with proper monitoring).
- **Outstanding Wear Protection:** Protects critical engine components under high-pressure and high-temperature conditions.
- **Oxidation and Deposit Control:** Prevents sludge buildup and high-temperature deposits for cleaner engine operation.
- **Low-Temperature Performance:** Maintains excellent fluidity and pumpability for smooth engine starts in cold climates.
- **Emission System Protection:** Low ash formulation enhances the lifespan of diesel particulate filters (DPF), diesel oxidation catalysts (DOC), and selective catalytic reduction (SCR) systems.
- **Multi-Engine Compatibility:** Meets API SN specifications, making it suitable for gasoline engines requiring this level of performance.

Meets and Exceeds

- API FA-4/ SN
- DDC DFS 93K223
- Cummins CES 20087
- JASO DH-2
- Ford WSS-M2C214-B1

Health, Safety, and Environment

For detailed health and safety information, refer to the Material Safety Data Sheet (MSDS) available on request. Always follow proper handling and disposal practices for used oil and packaging.

Usage and Storage Instructions

- Store in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid freezing conditions and exposure to temperatures above 60°C.



Typical Properties

Property	Method	Value
SAE Grade	-	10W-30
Kinematic Viscosity @ 100 °C (cSt)	ASTM D445	12.11
Kinematic Viscosity @ 40 °C (cSt)	ASTM D445	78.62
Viscosity Index	ASTM D2270	150
Pour Point (°C)	ASTM D97	-39
Flash Point (°C)	ASTM D92	240
Cold-Cranking Simulator (mPa.s @ -25°C)	ASTM D5293	5825
Mini-Rotary Viscometer (mPa.s @ -30°C)	ASTM D4684	13500
HTHS Viscosity @ 150 °C (mPa.s)	ASTM D4683	3.2
Sulfated Ash (% wt)	ASTM D874	0.56
Total Base Number (TBN, mg KOH/g)	ASTM D2896	10.15
Density @ 15 °C (g/ml)	ASTM D1298	0.8546

