

VIRO-TEC Semi Synthetic Diesel Engine Oil SAE 15W40 CH-4/SJ

Product Description

VIRO-TEC 15W-40 CH-4/SJ is a premium multi-grade diesel engine oil formulated to provide exceptional performance and protection for modern diesel and gasoline engines. It meets the demands of severe operating conditions in on-road and off-road applications, delivering outstanding wear protection, thermal stability, and engine cleanlines

Application

- Suitable for high-speed 4-stroke diesel engines, both turbocharged and naturally aspirated.
- Recommended for vehicles requiring API CH-4/SJ oils, including on-highway commercial vehicles, agricultural equipment, and off-road machinery.
- Designed for use in engines operating under extreme conditions, including high temperatures, heavy loads, and low-quality fuels.

Performance Benefits

- **Thermal and Oxidation Stability:** Minimizes sludge and deposit formation, ensuring extended oil life and consistent performance under high-temperature conditions.
- **Enhanced TBN Retention:** Protects against acid corrosion caused by fuel combustion, prolonging engine component life.
- **Detergent and Dispersant Additives:** Keeps engines clean by preventing soot and deposit build-up, improving efficiency and extending operational life.
- **High Shear Stability:** Maintains viscosity grade under extreme operating conditions, providing reliable wear protection.
- **Low-Temperature Pumpability:** Ensures rapid oil circulation during cold starts, reducing wear on critical engine parts.
- **Component Compatibility:** Protects seals and gaskets, reducing the risk of leaks and maintaining operational reliability.

Meets and Exceeds

- API CH-4/SJ
- ACEA E7-22
- DTFR 15B110 (MB 228.3)
- MAN 3275
- Deutz DQC-II
- MTU 2.0
- Mack EO-M
- Cummins CES 20077
- Caterpillar ECF 1a
- ZF TE-ML 04P
- ZF TE -ML 07D.

Typical Properties

Property	Method	Units	Value
SAE Grade	-	-	15W-40
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	97.59
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	14.38
Viscosity Index	ASTM D2270	-	152
Pour Point	ASTM D97	°C	-33
Flash Point (COC)	ASTM D92	°C	240
TBN	ASTM D2896	mg KOH/g	10.25
Sulfated Ash	ASTM D874	% wt	1.02
Density @ 15°C	ASTM D4052	g/cm ³	0.8578



Storage and Handling

Storage Recommendations:

- Store under cover in a cool, dry location.
- Avoid exposure to direct sunlight, freezing conditions, or temperatures above 60°C.

Health, Safety and Environment

This product poses no significant health or safety risks when used as directed and with proper industrial and personal hygiene practices. Dispose of used oil responsibly by taking it to an authorized collection point. Avoid discharge into soil, drains, or water sources.

