

D-TEC Mineral Diesel Engine Oil SAE 60 CF

Product Description

D-TEC SAE 60 CF is a high-performance, heavy-duty final drive and axle oil (FDAO) designed for use in highly loaded Caterpillar off-road equipment. This robust lubricant meets the stringent requirements of CAT FD-1 specifications, providing superior thermal stability, corrosion protection, and load-carrying capacity for extreme operating conditions.

Performance Benefits

- **Superior Thermal Stability:** Ensures consistent performance under severe conditions.
- **Enhanced Corrosion Protection:** Extends the lifespan of components.
- **High Load-Carrying Capacity:** Designed for heavy-duty operations in extreme environments.
- **Extended Durability:** Reduces wear and enables longer drain intervals.

Health, Safety, and Environment

- Based on available toxicological information, D-TEC SAE 60 CF is not expected to pose significant health risks when used as intended.
- Avoid prolonged skin contact; in case of contact, wash with soap and water.
- Dispose of used oil responsibly; do not discharge into drains, soil, or water bodies.
- Consult the Safety Data Sheet (SDS) for more details.

Typical Properties

Property	Method	Units	Value
Density @ 15°C	ASTM D4052	g/ml	0.8968
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	346.2
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	25.21
Viscosity Index	ASTM D2270	-	95
Pour Point	ASTM D97	°C	-15
Flash Point	ASTM D92	°C	265
Total Base Number (TBN)	ASTM D2896	mg KOH/g	10.50

Application

- Suitable for final drives, axles, bevel gears, and differentials in Caterpillar equipment requiring CAT FD-1 specification.
- Ideal for equipment operating under heavy loads and high temperatures, up to +50°C.
- Not recommended for use in systems with friction discs, such as self-locking differentials or oil-immersed brake systems.

Meets and Exceeds

- API CF
- CATERPILLAR FD-1

Storage Instructions

- Store in a cool, dry place away from sunlight, freezing temperatures, and extreme heat (not exceeding 60°C).
- Drums should be stored horizontally to prevent contamination and preserve labeling.

