

D-TEC Mineral Diesel Engine Oil SAE 50 CF

Product Description

D-TEC SAE 50 CF is a high-performance monograde diesel engine oil, specifically formulated for heavy-duty diesel engines, hydraulic systems, and transmissions requiring SAE 50 grade oil. It offers superior protection against wear, deposits, and oil thickening caused by combustion by-products. This product ensures extended engine life and optimal performance under challenging operating conditions.

Performance Benefits

- **Excellent Wear Protection:** Minimizes engine wear for extended component life.
- **Corrosion Resistance:** Protects critical engine parts from rust and corrosion.
- **Detergent and Dispersant Additives:** Reduces deposits and keeps engine components clean.
- **Thermal Stability:** Maintains oil integrity under high-temperature operations.
- **Versatility:** Suitable for diesel engines, hydraulic systems, and manual transmissions requiring SAE 50 grade oil.

Health, Safety, and Environment

- Prolonged contact with used oil may cause skin disorders; wash exposed areas with soap and water.
- Dispose of used oil responsibly at authorized collection points.
- Refer to the Safety Data Sheet (SDS) for detailed handling and safety information.

Typical Properties

Property	Method	Units	Value
Density @ 15°C	ASTM D4052	g/ml	0.8956
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	220.5
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	18.78
Viscosity Index	ASTM D2270	-	96
Pour Point	ASTM D97	°C	-18
Flash Point	ASTM D93	°C	260
Sulfated Ash	ASTM D874	% wt	1.25
Total Base Number (TBN)	ASTM D2896	mg KOH/g	10.50

Application

- Turbocharged or naturally aspirated diesel engines in commercial vehicles, including trucks, buses, and vans.
- Off-road applications such as construction, agriculture, navigation, and railroads.
- Stationary diesel engines for energy production.
- Gearboxes, torque converters, and hydraulic systems where SAE 50 engine oil is specified.

Meets and Exceeds

- API CF/SF , Volvo VDS

Storage Instructions

- Store indoors in a cool, dry environment.
- Avoid temperatures above 60°C and extreme temperature fluctuations.
- For outdoor storage, place drums horizontally to prevent water contamination and preserve labeling.

