

DESCRIPTION

- MD Oils SAE 40 API CF is a high-quality, conventional mono-grade heavy-duty diesel engine oil. Formulated to provide excellent performance in commercial fleets, marine, and industrial applications, its robust formulation maximizes engine durability and ensures reliable lubrication under demanding conditions.

APPLICATIONS

- Recommended for use in naturally aspirated and turbocharged legacy diesel engines fitted in trucks, tractors, buses, light commercial vehicles (LCVs), and power generators. It is ideal for both on-highway heavy-duty trucking and off-highway applications, including construction, mining, quarrying, and agriculture.

Performance Features and Benefits

- Exceptional high-temperature protection:** Safeguards hot-running engines under heavy continuous loads, ensuring optimal protection for pistons and extreme loads in the valve-trains.
- Inherent shear stability:** As a mono-grade oil, it completely resists viscosity shear-down, maintaining oil pressure and film thickness under severe mechanical stress.
- Optimal TBN reserves:** Effectively neutralizes acidic combustion by-products, protecting engine components against corrosive wear.

Recommendations / Specifications

International Standards:

- API CF
- Meets the quality requirements of most legacy heavy-duty diesel engine manufacturers in the USA, Europe, Japan, and Korea.

Typical Characteristics

Properties	Unit	Test Method	Typical Values
Viscosity Grade	-	SAE J300	SAE 40
Density @ 15°C	g/cm ³	ASTM D4052	0.894
Kinematic Viscosity @ 40°C	cSt	ASTM D445	140.92
Kinematic Viscosity @ 100°C	cSt	ASTM D445	15.61
Viscosity Index	-	ASTM D2270	115
Flash Point (COC)	°C	ASTM D92	241
Pour Point	°C	ASTM D97	-22
Total Base Number	mg KOH/g	ASTM D2896	9.06
Evaporation Loss	%wt.	ASTM D5800	4

- Note:** The typical characteristics shown in this document are representative of current production. While future production will conform to MD Oils specifications, variations in these characteristics may occur within normal manufacturing tolerances.
- Health & Safety:** Based on available information, this product is not expected to cause adverse health effects when used for its intended application and in accordance with the recommendations provided in the Safety Data Sheet (SDS). SDS are available on request through your local sales office or via our website.

This product should not be used for applications other than its intended purpose.

When disposing of used product, take care to protect the environment and comply with local regulations.



- Advanced detergency and dispersancy:** Provides excellent deposit control, soot handling, and keeps engine internals exceptionally clean.
- High thermal and oxidation stability:** Minimizes oil degradation and sludge formation to maintain performance integrity.
- Reduces internal wear:** Maximizes component life and overall engine durability.
- Component compatibility:** Extends gasket and seal life to minimize oil leakage and maintain pressure.