



PRODUCT DATA SHEET

Mineral Engine Oil
SAE 20W-50 API CF-4/SL

Description:

Mineral Engine Oil SAE 20W-50 API CF-4/SL is a high performance heavy duty diesel engine oil, formulated to provide outstanding performance and protection for a wide range of diesel engines. It is recommended for use in a wide range of heavy duty applications including trucking, construction, mining, agriculture and forestry. It provides outstanding performance and protection for the most demanding diesel engines.

Benefits:

HIGH PERFORMANCE

- Stay-in-grade shear stability helps to maintain oil viscosity in high temperature which leads to maintain engine performance.
- Excellent thermal and oxidation stability helps to reduce sludge build-up, which keeps engine clean and powerful.

LONG ENGINE LIFE

- Excellent anti-wear and anti-scuff properties extends engine life.
- Excellent low temperature performance allows oil flow to critical bearing surface at start-up and controls low temperature sludge formation in stop-and-go service.

LONG OIL LIFE

- Excellent oxidation stability prevents oil breakdown and maintains oil viscosity, which helps to reduce oil aging and to extend oil change intervals.
- Stay-in-grade shear stability protects engine parts at high operating temperatures and reduces oil consumption

Application:

- Turbo-charged and Naturally Aspired Diesel Engines
- Off-highway Equipment including Construction, Mining, Agriculture and Forestry
- Light Truck / SUV / Passenger Car with Diesel Engines
- All Vehicles / Equipment with Diesel Engine

Typical Characteristic:

PARAMETERS	UNIT	Specification	TEST METHODS
Kinematic Viscosity @ 100°C	mm ² /s	17.0 – 20.0	ASTM D7042
Viscosity Index	-	Min. 110	ASTM D2270
Total Base Number	mg KOH/g	Min. 8.5	ASTM D2896
Flash Point	°C	Min. 200	ASTM D93
Pour Point	°C	Max. -20	ASTM D97
CCS @ -15°C	cP	Max. 9500	ASTM D5293

Product Performance Claim:

API CF-4/SL

Safety Information:

Mineral Engine Oil SAE 20W-50 API CF-4/SL according to "CLASS Regulations 2013 (Globally Harmonized System of Classification and Labeling of Chemicals (GHS) 3rd Edition") is categorized to cause Serious eye damage or eye irritation: Category 2

- **Eye:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Then, get medical treatment as soon as possible.
- **Skin:** Wash off with soap and water. Remove and wash contaminated clothing before re-use.

Storage:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. For containers or container linings, use mild steel or high density polyethylene. Unsuitable materials: PVC. Storage Temperature: 0 to 60 degrees Celsius.

Protect the Environment:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways or soil). Dispose used oil to an authorized collection point in compliance to the local authority regulation.