

Nordic TSAE101 **CF-4/SG SAE 10W**

Universal mineral engine oil for cold climate operation

Product Description

A high-quality mineral engine oil developed for diesel and gasoline engines operating in low-temperature environments. The formulation provides dependable lubrication, engine cleanliness and operational reliability for mixed fleets and industrial equipment working under demanding conditions.

Applications

Recommended for naturally aspirated and turbocharged diesel engines operating in cold climates. Suitable for stationary engines, public works equipment, commercial vehicles and mixed fleets containing both diesel and gasoline-powered vehicles. The product may also be used in hydraulic applications where the listed performance levels are specified by the equipment manufacturer.

FEATURES

- ✓ **Engine cleanliness:** helps minimise deposit formation and supports cleaner engine operation throughout the service interval
- ✓ **Cold temperature performance:** the SAE 10W viscosity grade promotes good lubricant circulation and protection during cold starts
- ✓ **Mixed-fleet versatility:** suitable for a range of diesel and gasoline engine applications, helping simplify lubricant selection for diverse fleets
- ✓ **Equipment protection:** provides dependable lubrication for engines and selected equipment requiring the listed specification profile

Specifications

ACEA	E2/E1
API	CF-4/SG
OEM / Manufacturer	Caterpillar TO-2; MAN 270; MB 227.0; ZF TE-ML 03B; ZF TE-ML 05K

TYPICAL TECHNICAL CHARACTERISTICS

Property	Method	Unit	Typical Value
Density at 15°C	ASTM D4052	g/ml	0.872
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	33.4
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	6.1
Viscosity index	ASTM D2270	-	132
Base number, HClO ₄ method	ASTM D2896	mg KOH/g	10.9
Pour point	ASTM D6892	°C	-36
Sulfated ash	ASTM D874	Mass %	0.88
Flash Point COC	ASTM D92	°C	212

The above values are typical characteristics and do not constitute a sales specification. Product information may be updated as technology and manufacturing specifications evolve.

User Advice

 Always Verify Vehicle Compatibility before use

Storage, Handling & Environmental Advice

- **Storage:** Store upright in a cool, dry place below 60°C. Avoid direct sunlight and freezing conditions.
- **Handling:** Avoid contamination with other fluids. Always reseal containers after use.
- **Environmental Precautions:** Dispose of used oil and packaging in accordance with local environmental regulations.

Health and Safety

- **NORDIC Oil** presents no significant risk to health or the environment when used properly. Refer to the Safety Data Sheet (SDS) for full safety, handling, and environmental information.

[Refer to the latest Safety Data Sheet before use.](#)