

# NATIONAL PERFORMAX HD4 SAE 50 API CF-4

NATIONAL PERFORMAX HD4 SAE 50 API CF-4 is a high-performance diesel engine oil designed for naturally aspirated diesel engines requiring API CF-4 or lower performance levels. It provides reliable protection against wear, corrosion, and thermal degradation, ensuring dependable engine performance and longevity. The oil is suited for legacy fleet vehicles, off-road machinery, and industrial diesel engines operating in demanding environment.

## Benefits

- Extends engine life through advanced anti-wear additives that protect critical components.
- Maintains engine cleanliness with effective detergent and dispersant systems.
- Delivers stable protection under high temperature and load conditions with shear-stable viscosity control.

## Meets/Exceeds

- API CF-4
- API CF

## Applications

- Suitable for naturally aspirated diesel engines in commercial vehicles.
- Recommended for on-highway and off-highway trucks, construction, and mining equipment.
- Ideal for legacy diesel engines requiring API CF-4 or lower category oil.

## Product Characteristics

| Properties                    | Test Method | Unit     | SAE 50        |
|-------------------------------|-------------|----------|---------------|
| Density @ 15 °C               | ASTM D4052  | kg/L     | 0.9016        |
| Kinematic Viscosity at 100 °C | ASTM D445   | cSt      | 21.1          |
| Viscosity Index               | ASTM D2270  | -        | 109           |
| Flash Point, COC              | ASTM D92    | °C       | 256           |
| Pour Point                    | ASTM D97    | °C       | -9            |
| Total Base Number             | ASTM D2896  | mg KOH/g | 11.4          |
| <i>Product Code</i>           |             |          | <b>175142</b> |

- *Information, test methods, figures are typical and conform to specification; minor variation may occur.*
- *Refer Owner's Manual for the manufacturer's recommended performance level, viscosity grade and builder approval requirements.*
- *Please refer to the product Safety Data Sheet (SDS) for health, safety, and handling information.*

