

### Description

Mineral based all-season motor oil, particularly suited for older generation high mileage gasoline and diesel vehicles. Provides a stable lubricating film even under extreme operating conditions. Designed with proven wear protection technology. Keeps rubber seals such as valve stem seals, crank seals, cam seals etc. soft and pliable for low oil consumption.

### Properties

- very good dispersion properties
- ideal with catalytic converters
- can be used in gasoline and diesel engines with and without turbocharger
- high lubrication reliability
- prevents black sludge
- low evaporation loss
- excellent wear resistance
- excellent cleaning effect
- optimum stability to aging
- high shear stability

### Specifications / Approvals

ACEA A3/B4, E2 • API SL • API CG-4 • Allison C4 • MIL-L 2104 E

**Nordsen also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required**

Caterpillar TO-2 • MAN 271 • MB 228.3

### Technical data

|                          |  |
|--------------------------|--|
| SAE class (engine oils)  | 20W-50<br>SAE J300                         |
| Density at 59 °F         | 0,880 g/cm <sup>3</sup><br>DIN 51757       |
| Viscosity at 104 °F      | 165,0 mm <sup>2</sup> /s<br>ASTM D 7042-04 |
| Viscosity at 212 °F      | 18,5 mm <sup>2</sup> /s<br>ASTM D 7042-04  |
| Viscosity at -4 °F (MRV) | < 60000 mPas<br>ASTM D4684                 |
| Viscosity at 5 °F (CCS)  | ≤ 9500 mPas<br>ASTM D5293                  |
| Viscosity index          | 125<br>DIN ISO 2909                        |
| HTHS at 302 °F           | ≥ 3,7 mPas<br>ASTM D5481                   |
| Pour point               | -22 °F<br>DIN ISO 3016                     |



### Technical data

|                          |                               |
|--------------------------|-------------------------------|
| Evaporation loss (Noack) | 7,2 %<br>CEC-L-40-A-93        |
| Flash point              | 446 °F<br>DIN ISO 2592        |
| Total base number        | 10,2 mg KOH/g<br>DIN ISO 3771 |
| Sulfate ash              | 1,0 - 1,6 g/100g<br>DIN 51575 |
| Color number (ASTM)      | L5,5<br>DIN ISO 2049          |

### Areas of application

For gasoline or diesel engines where a motor oil according to current specifications is required or recommended. Tested safe with catalytic converters and turbochargers.

### Application

Observe the manufacturers instructions!

### Available pack sizes

|                          |                              |
|--------------------------|------------------------------|
| 5 l Canister plastic     | 20114<br>USA-AND-CANADA-EN-F |
| 205 l Black plate barrel | 22127<br>USA-AND-CANADA-EN-F |
| 1.000 l Container        | 22169<br>USA-AND-CANADA-EN-F |

**Our information is based on thorough research and may be considered reliable, although not legally binding.**

