



Description

A top quality UHPD (Ultra High Performance Diesel) synthetic lubricating oil. Its name highlights its reduced ash content (Mid SAPS), preventing the obstruction of systems that include particle filters, in addition to protecting the post-treatment catalytic systems and minimizing polluting emissions. Its excellent composition gives it long-lasting lubricant status, with extraordinarily long periods between oil-changes. It is compatible with all types of fuels (diesel, LPG, CNG and biodiesel), and due to its characteristics, it is the ideal oil for mixed fleets. Valid for Euro VI engines and older.

Properties

- It can be used when using biodiesel as fuel, in accordance with the manufacturer's recommended change periods.
- The limited phosphorus and sulphur content, and the low level of sulphated ash, enable it to be used in most vehicles, as it is compatible with SCR catalysts or those that include EGR and particle filters.
- It can be used both in the modern Euro VI or Euro V vehicles that include exhaust fume treatment systems, and in old vehicles that do not require ash-limiting oils.
- Long-lasting oil. The exclusive additive in this product enables it to exceed the minimum requirements in most engine tests.
- Approved by most European, American and Asian vehicle manufacturers, it can also be used as an oil in commercial vehicles equipped with a retarder.

Quality levels, approvals and recommendations

- ACEA E4, E6, E7, E8, E9, E11
 - API CK-4
 - CATERPILLAR CAT ECF-3
 - CUMMINS CES 20081/20086
 - DAF Extended Drain
 - DAIMLER TRUCK DTFR 15C110*
 - DAIMLER TRUCK DTFR 15C120
 - DEUTZ DQC IV-18 LA*
 - DTNA DFS 93K222*
 - JASO DH-2*
 - MACK EOS-4.5*
 - MAN M 3477/3271-1/3775*
 - MB 228.52/228.51/228.31
 - MTU Type 3.1*
 - RENAULT RLD-3
 - SCANIA LOW ASH
 - VOLVO VDS-4.5*
- *Formal approval

Technical specifications

| | UNIT | METHOD | VALUE |
|--|-------------|-------------|--------|
| SAE Grade | | | 10W-40 |
| Density at 15 °C | g/cm3 | ASTM D4052 | 0,861 |
| Kinematic viscosity at 40 °C | cSt | ASTM D445 | 86 |
| Kinematic viscosity at 100 °C | cSt | ASTM D445 | 13.30 |
| CCS Viscosity at -25 °C | cP | ASTM D5293 | <7,000 |
| Viscosity index | - | ASTM D2270 | 155 |
| Flash point, open cup | °C | ASTM D92 | >223 |
| Pour point | °C | ASTM D97 | <-30 |
| Shearing Inj.Bosch: Vis 100 °C (30 cy) | cSt | CEC L-14-93 | >12.5 |
| Sulphated ashes | % in weight | ASTM D874 | <1 |
| TBN | mg KOH/g | ASTM D2896 | 13 |

The above mentioned characteristics are typical values and should not be considered product specifications.