



ADECO® XHPD SAE 10W-40

Description:

The ADECO® XHPD SAE 10W-40 is a multigrade synthetic engine oil designed for the lubrication of next-generation diesel engines, which operate under heavy loads and under heavy conditions (in trucks and buses). It is manufactured in regards to the latest international diesel exhaust standards EURO 4, EURO 5 and EURO 6, and especially for vehicles requiring the use of "low SAPS" (low sulfate ash, phosphorus and sulfur) lubricants. Particularly suitable for lubricating vehicles with EGR engines and/or SCR systems, with/without DPF filters. It is by function one of the XHPD engine oil (eXtra High Performance Diesel), with extremely long replacement periods.

Purpose:

It is intended for lubrication of diesel engines of modern commercial vehicles, agricultural, construction and mining machinery and for all other vehicles requiring this performance level.

The Main Advantages:

- Engine cleanliness at significantly extended oil change intervals;
- Normal operation even in case of heavy contamination with soot ;
- The cylinder liner protection from ironing and wear;
- Control of oil thickening at high temperatures;
- Low foaming tendency, that decreasing possibility of engine parts wear;
- Minimal exhaust gases emission;
- Easy engine start at extremely low temperatures.

Physical and Chemical Properties:

| <i>Characteristic, Unit</i> | <i>Referential Values</i> | <i>Method</i> |
|--|----------------------------------|----------------------|
| Density at 15°C, g/cm ³ | 0,86 – 0,88 | ASTM D 1298 |
| Kinematic Viscosity at 100°C, mm ² /s | 13 – 15 | ASTM D 445 |
| Viscosity Index | 160 | ASTM D 2270 |
| Flash Point, COC, °C | 220 | ASTM D 92 |
| Pour Point, °C | -33 | ASTM D 97 |
| Total Base Number, TBN, mg KOH/g | 13,5 | ASTM D 2896 |
| Water Content, v/v % | non | ASTM D 95 |

Meet Specifications:

API CI-4; ACEA E6/E7/E9; MB 228.51; MAN M 3477; MTU Type 3.1; Volvo VDS-3; Volvo CNG; Renault Truck RXD; Renault Truck RGD; Mack EO-M Plus; CAT ECF-1-a; Cummins CES 20076/20077; Deutz DQC III; Scania LDF-2.