



Technical Data Sheet (TDS) SAE 10W-30 API CI-4

High-quality, universal engine oil of the latest generation, which is suitable for all vehicles, both gasoline and diesel, particularly for mixed fleets. It exhibits good detergent and dispersant properties and a great capacity to neutralize acid. The strong oil film gives it a great lubricity.

APPLICATIONS

Because of its large application field, it is suitable for gasoline engines (four-valve, turbo, etc.) and turbo diesel engines for passenger cars and heavy trucks, even with extended oil change periods.

FEATURES

Total engine protection: performance in keeping the engine clean

PERFORMANCE

| | | | |
|-------------|----------|-------|----------------|
| ACEA | A3/B4-98 | MAN | 271 |
| ACEA | E2-level | MB | 228.1 |
| API | CI-4 | MTU | Oil Category 1 |
| ALLISON | C4 Level | VOLVO | VDS level |
| CATERPILLAR | TO-2 | | |

TYPICAL CHARACTERISTICS

| Test | Method | Unit | Average results |
|---------------------------------|------------|--------------------|-----------------|
| Density at 15°C | ASTM D4052 | g/ml | 0.881 |
| Kinematic viscosity at 40°C | ASTM D445 | mm ² /s | 100 |
| Kinematic viscosity at 100°C | ASTM D445 | mm ² /s | 14.0 |
| Viscosity index | ASTM D2270 | | 142 |
| B.N. (HClO ₄ method) | ASTM D2896 | mg KOH/g | 7.6 |
| Pour point | ASTM D6892 | °C | -33 |
| CCS viscosity at -20°C | ASTM D5293 | mPa.s | 6800 |
| Sulfated Ash | ASTM D874 | Mass % | 1.15 |
| Flash Point COC | ASTM D92 | °C | 228 |

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.