

10W-40 E6 HD Pro

Description and Properties:

10W-40 E6 HD Pro is a fully-synthetic high performance motor oil, which meets par excellence the highly exalted tribological requirements of the *EURO 5- and EURO 6-* commercial car engine generation.

10W-40 E6 HD Pro falls below the limits for sulphated ash, sulphur- and phosphorus content (Low SAP's), regulated by law as from 2008 for three *EURO 5* and 2014 for the *EURO 6* and thus provides one of the basis for the trouble-free operating of downstream exhaust gas treating devices (particle filter).

10W-40 E6 HD Pro assures top performance at the quality criterions wear protection and friction reduction, detergency & dispersancy, corrosion prevention, viscosity temperature dependency, thermal oxidative stability, low evaporation tendency, good elastomer compatibility and few enviromental impact.

10W-40 E6 HD Pro ensures the EURO 5- and -6-turbo charged diesel engines extremely extended drain intervals, excellent motor cleanliness, very good cold starting and warmup performance even at lowest temperatures, outstanding aging resistance, reliable lubrication under all operation conditions and reduced pollution of noxious matter caused by the lubricant.

Specification / Recommendations:

ACEA E6/E7/E9

API CK-4

DDC 93K222

CATERPILLAR ECF-3

CUMMINS CES 20086

Renault RXD / RGD / VI RLD-3

MACK EO-S 4.5

MAN M3477 / M3271-1

Jaso DH-2

MB 228.51

MTU Type 3.1

SCANIA LA

DAF

DEUTZ DQC IV-18 LA

VOLVO VDS-4.5

Volvo CNG

Typical Values:

| 10W-40 E6 HD Pro | Unit | Value | Method |
|--------------------|--------------------|-------|--------------|
| Density at 15°C | kg/m ³ | 857 | DIN 51 757 |
| Viscosity at 40°C | mm ² /s | 100 | DIN 51 562 |
| Viscosity at 100°C | mm ² /s | 15,4 | DIN 51 562 |
| Viscosity Index | | 163 | DIN ISO 2909 |
| CCS at -25°C | mPa.s | 4550 | ASTM D5293 |
| Pourpoint | °C | -33 | DIN ISO 3016 |
| Flashpoint | °C | 230 | DIN ISO 2592 |
| TBN | mg KOH/g | 9,3 | DIN ISO 3771 |
| Sulphated ash | mass. % | 0,96 | DIN 51 575 |
| Sulphur | mass. % | 0,28 | |
| Phosphorus | mass. % | 0,08 | |

Specification variations in these characteristics may occur. The instructions of manufacturer must be regarded.

Further information available by MSDS.

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