

## 10W-30 HD

### Description:

**10W-30 HD** is produced from mineral base oils and hydro-cracked products. Combined with a special additive package it has become a quality product, which satisfies the requirements of the modern engine generation of diesel motors and gasoline motors as well. Especially it is applicable for engines, which because of the advanced construction, as turbocharger or poor-mix operation, make very special demands on the lubricant.

### Properties:

**10W-30 HD** has following advantages to be pointed out

- Trouble-free operation even under extreme operating conditions, oxidation stability, which reduces early oil aging even at high temperatures.
- Outstanding wear protection, which assures a long engine-life.
- Improve fuel economy.

### Specification / Recommendations:

ACEA E7-16	ACEA A3/B4-16
MB 228.3	VOLVO VDS-3
MTU 2.0	CUMMINS CES 20077
MAN 3275	DEUTZ DQC III
CATERPILLAR ECF-2	RenaultRLD-2

### Typical Values:

10W-30 HD	Unit	Value	Method
Density at 15°C	kg/m <sup>3</sup>	853	DIN 51 757
Viscosity at 100°C		10.97	DIN 51 562
Viscosity Index	mPa.s	151	DIN ISO 2909
CCS at -25°C	°C	5971	DIN 51 377
Pourpoint	°C	-36	DIN ISO 3016
Flashpoint	°C	222	DIN ISO 2592
TBN	mg KOH/g	10.6	DIN ISO 3771

*Specification variations in these characteristics may occur. The instructions of manufacturer must be regarded.  
Further information available by MSDS.*

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