

# 10w-40 F7 HD

### **Description:**

**10W-40 E7 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-40 E7 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 asssures a long engine-life
- allows maximal oil drain intervals, like specified by the manufacturer
- best seal and elastomer compatibility
- an all-seasons oil for mixed-fleet

#### **Specification / Recommendations:**

ACEA E7-16,A3/B4-16 DEUTZ DQC III CATERPILLAR ECF-2 VOLVO VDS-3 CUMMINS CES 20077 MAN 3275 MACK EO-N,EO-M+ MB 228.3 MTU 2.0 Renault RLD-2

## **Typical Values:**

10W-40 E7 HD	Unit	Value	Method
Density at 15°C	kg/m³	851	DIN 51 757
Viscosity at 100°C		15.48	DIN 51 562
Viscosity Index	mPa.s	159	DIN ISO 2909
CCS at -25°C	°C	5958	DIN 51 377
Pourpoint	°C	-36	DIN ISO 3016
Flashpoint	°C	232	DIN ISO 2592
TBN	mg KOH/g	10.2	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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