

10W-40 E6 Pro HD

Description and Properties:

10W-40 E6 Pro HD is a semi-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 Pro HD 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 Pro HD 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 Pro HD 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-/E9-12	MACK EO-M Plus / EO-N	SCANIA LA
API CI-4	MAN M3477 / M3271-1	DAF
DEUTZ DQC IV-10 LA	MB 228.51 / 228.31	VOLVO VDS-3
CATERPILLAR ECF-1a	MB 226.9	Volvo CNG
CUMMINS CES 20076/20077	MTU Type 3.1	Renault RXD / RGD / VI
RLD-2		

Typical Values:

10W-40 E6 Pro HD	Unit	Value	Method
Density at 15°C	kg/m ³	857	DIN 51 757
Viscosity at 40°C	mm ² /s	97,3	DIN 51 562
Viscosity at 100°C	mm ² /s	15,3	DIN 51 562
Viscosity Index		166	DIN ISO 2909
CCS at -25°C	mPa.s	4780	ASTM D5293
Pourpoint	°C	-36	DIN ISO 3016
Flashpoint	°C	230	DIN ISO 2592
TBN	mg KOH/g	11,1	DIN ISO 3771
Sulphated ash	mass. %	0,95	DIN 51 575
Sulphur	mass. %	0,23	
Phosphorus	mass. %	0,06	

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

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