



eni i-Sigma special TMS 10W-40

eni i-Sigma special TMS 10W-40 is a modern high-performance engine oil with fuel saving properties, formulated with synthesis technology for extremely loaded commercial diesel engines, especially suitable for vehicles with exhaust gas aftertreatment systems (i. e. with exhaust gas standard VI under consideration of the manufacturer specifications).

eni i-Sigma special TMS 10W-40 is also suitable for the application in commercial vehicle engines without exhaust gas after-treatment, in stationary engines and gas engines in the commercial vehicle area.

Characteristics (typical figures):

eni i-Sigma Special TMS	Unit	10W-40	Test method
Kin. Viscosity	at 40°C	93,8	DIN 51 562
	at 100°C	14,5	DIN 51 562
Viscosity index (min)		161	DIN ISO 2909
Density at 15°C	g/cm ³	0,866	DIN 51 757
Flashpoint o. C.	°C	215	DIN ISO 2592
Pourpoint	°C	-30	DIN ISO 3016
Sulphate ash	g/100g	1,0	DIN 51 575
Base number	mgKOH/g	10,4	DIN ISO 3771

Properties and Performance:

- **eni i-Sigma special TMS 10W-40** meets the highest performance requirements for engine oils in the commercial vehicle area due to the special balancing of the synthesis technology with a new "low SAPS formulation. Due to the limited additive components (sulphur, phosphor and sulphate ash) in eni i-Sigma special TMS 10W-40 a long lifetime of the exhaust gas aftertreatment systems is ensured. Also the specific limit values of the vehicle manufacturers and the international specifications are considered.
- The fuel saving properties and high safety reserves against bore-polishing, excellent cleaning effect and minimum evaporation losses increase the lifetime of the engine and reduce the oil consumption.
- **eni i-Sigma special TMS 10W-40** has an excellent wear protection. This is proven by the results of the engine tests of the vehicle manufacturers and the ACEA concerning bore-polishing, piston ring and cylinder wear as well as the protection of the valve train and wear of the bearings. This and the excellent cleaning behaviour minimize the downtimes, operating and maintenance costs and ensure maximum efficiency during the complete lifetime of the engines.



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Specifications:

eni i-Sigma Special TMS 10W-40 is approved by name respectively meets the requirements* of the following specifications:

- ACEA E6, E7
- API CI-4
- MAN M 3477, M 3271-1
- MB approval 228.51
- Deutz DQC IV-10LA
- Volvo VDS-3
- Renault RVI RLD-2
- MTU Type 3.1
- Cummins CES 20076/ 77
- Mack EO-N