



Motorenöle

Motor oils

Getriebeöle

Gear oils

**Zweitaktöle und
Traktorenöle**

*Two-stroke oils and
tractor oils*

Hydrauliköle

Hydraulic oils

**Industrie- und
Spezialschmierstoffe**

*Industrial and
specialty lubricants*

PENNASOL LIGHTTEC SAE 10W-40

PENNASOL LIGHTTEC SAE 10W-40 is an ultra-high-performance diesel engine oil (UHPD engine oil) based on the latest generation of base oils produced by HC-Synthesis-Technology. The development of this product focused on the fulfillment of the strict requirements of the latest generation of Euro IV & V engines. By using a new "Low-SAPS-Technology" (reduced content of sulfated ash, phosphorus and sulfur) the required specifications were exceeded by far. The formulation of the product allows extended drain intervals up to 100,000 km in compliance with the operating rules of the individual vehicle manufacturer.

PENNASOL LIGHTTEC SAE 10W-40 offers many advantages:

- High-performance additives with dispersing properties minimize the risk of oil thickening and sludge formation.
- Excellent protection against fretting and galling.
- Minimized wear protects the diesel engines and prolongs its life.
- Highly improved cold start behavior.
- Extended oil drain intervals by using base oils based on HC-Synthesis-Technology (please observe the manufacturer's instructions)

ACEA-/API-specifications:

ACEA E6

ACEA E7

ACEA E9

API CI-4

OEM-Approvals:

MACK EO-N

MAN M 3477

MAN M 3271-1

MB-Freigabe 228.51

Renault RLD-2

Volvo VDS-3





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Meets/suitable for use:

(Meets the requirements of the OEM-Approval. An approval by name from the manufacturer is not present.)

- Cummins CES 20076/77
- DAF (where E6 is called for)
- Deutz DQC III-10 LA
- MTU Type 3.1
- Renault RXD / RGD

Typical characteristics PENNASOL LIGHTTEC SAE 10W-40:

(The given data are typical data. Please observe operating prescriptions.)

Parameter	Method	Unit	
SAE class	SAE J 300	g/cm ³	10W-40
Density 15 °C	DIN EN ISO 12185		0.864
Kin. viscosity @ 40 °C	DIN 51562 -1	mm ² /s	101
Kin. viscosity @ 100 °C	DIN 51562-1	mm ² /s	14.8
Viscosity index	DIN ISO 2909		153
Total Base Number	DIN ISO 3771	mg KOH/g	9.5 – 11.0
Dyn. viscosity @ -25°C	DIN 51377	mPa*s	max. 9,500
Flash point COC	DIN ISO 2592	°C	min. 210
Pour Point	DIN ISO 3016	°C	-36

Available Packaging:

	Bulk	989 Liter	208 Liter	60 Liter	20 Liter	4*5 Liter	4*4 Liter	12*1 Liter
PENNASOL LIGHTTEC SAE 10W-40		•	•	•	•			

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