



Swd Rheinol Favorit LSAP

SAE 10W-40

High Performance Oil for EURO-5 and EURO-6 commercial car engines

Description and Properties

Swd Rheinol Favorit LSAP 10W-40 is a fully-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.

Swd Rheinol Favorit LSAP 10W-40 falls below the limits for sulphated ash, sulphur- and phosphorus content (Low SAP's), regulated by law as from 2008 for the *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).

Swd Rheinol Favorit LSAP 10W-40 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 environmental impact.

Swd Rheinol Favorit LSAP 10W-40 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.

Specifications / Recommendations

ACEA E8 / E7 /E11	MB 228.31 , 228.52
API CK-4	John Deere JDQ-78X
MTU Typ 3.1	Scania LA
Renault Truck RXD ; RGD	DAF
CAT ECF-3	DDC 93K222
Deutz DQC IV-18 LA	Jaso DH-2
Cummins CES 20086	Volvo CNG
MAN M 3477, M 3775, M 3575	

Approvals

DTFR 15C110 (MB-Freigabe 228.51*)
Volvo VDS 4.5
Mack EO-S 4.5
Renault VI RLD-3

(*) MB 228.51 deckt 226.9 ab

Typical Properties

Swd Rheinol Favorit LSAP SAE 10W-40	unit	value	method
Density at 15°C	kg/m ³	859	DIN 51 757
Viscosity at 40°C	mm ² /s	100	DIN 51 562
Viscosity at 100°C	mm ² /s	15,4	DIN 51 562
Viscosity Index		163	DIN ISO 2909
CCS at -25°C	mPa.s	4550	DIN 51 377
Pourpoint	°C	-33	DIN ISO 3016
Flashpoint	°C	230	DIN ISO 2592
TBN	mg KOH/g	9,3	DIN ISO 3771
Sulphated ash	mass. %	0,96	DIN 51 575
Sulphur	mass. %	0,28	
Phosphorus	mass. %	0,08	

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

The products must be labeled in accordance with the CLP regulation

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