



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 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.

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 E6 / E7 / E9
API CI-4
MTU type 3.1
Renault Truck RXD ; RGD
Mack EO-M Plus
CAT ECF-1-a
Deutz DQC IV-10 LA
Cummins CES 20076, 20077

Volvo CNG
Scania LA
DAF

Approvals

Approval MB 228.51 (*)
MAN m 3477, M 3271-1
Volvo VDS-3
Mack EO-N
Renault VI RLD-2

(*) MB 228.51 covers 226.9

Typical Properties

Swd Rheinol Favorit LSAP SAE 10W-40	unit	value	method
Density at 15°C	kg/m³	857	DIN 51 757
Viscosity at 40°C	mm²/s	97,3	DIN 51 562
Viscosity at 100°C	mm²/s	15,3	DIN 51 562
Viscosity Index		166	DIN ISO 2909
CCS at -25°C	mPa.s	4780	DIN 51 377
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	

Article-No. : 31001

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

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