



## RAVENOL DLO SAE 10W-40



**VISCOSITY** 10W-40

**SPECIFICATIONS** API CF | ACEA A3/B4

**FABRICATION** SEMI-SYNTHETIC

**APPROVALS** MB-FREIGABE 229.1 | VW 505 00 | BMW SPECIAL OIL | VW 501 01

**RECOMMENDATIONS** VW 500 00

### ART.-NR. 1112111

1 L	1112111-001
4 L	1112111-004
5 L	1112111-005
10 L	1112111-010
20 L	1112111-020
20 L	1112111-B20
60 L	1112111-060
60 L	1112111-D60
208 L	1112111-208
208 L	1112111-D28
1000 L	1112111-700

**RAVENOL DLO SAE 10W-40** is a semi synthetic engine oil with CleanSynto® Technology for passenger car diesel engines with and without turbocharging and direct injection. Minimizes friction, wear and fuel consumption. Offers excellent cold start protection and is suitable for extended oil drain intervals according to manufacturer's instructions.

**RAVENOL DLO SAE 10W-40** contains less than 30 % Polyalphaolefins (PAO). k

## Application Notes

**RAVENOL DLO SAE 10W-40** is suitable for year-round use in all modern passenger car diesel engines which require this grade of engine oil. Ideal for both turbocharged and non-turbocharged engines, it is also suitable for use in gasoline engines which require this type of product.

## Characteristics

**RAVENOL DLO SAE 10W-40** offers:

- High wear protection
- Fuel efficient formulation
- Excellent detergent and dispersant package for cleaner engines
- Prevention of black sludge and carbon deposit formation
- Long service life through high oxidation stability
- Excellent cold starting properties
- A very good viscosity-temperature behavior
- Low volatility
- Catalyst suitability



Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	862	EN ISO 12185
Colour		gelbbraun	visual
Viscosity at 100°C	mm <sup>2</sup> /s	14,4	DIN 51 562
Viscosity at 40°C	mm <sup>2</sup> /s	97,6	DIN 51 562
Viscosity index VI		153	DIN ISO 2909
		4,0	ASTM D5481
CCS Viscosity at -25°C	mPa*s	6450	ASTM D5293
Low Temp. Pumping viscosity (MRV) at -30°C	mPa*s	24.200	ASTM D 4684
Pourpoint	°C	-39	DIN ISO 3016
Noack Volatility	% M/M	8,1	ASTM D5800
Flash point (COC)	°C	230	DIN ISO 2592
TBN	mg KOH/g	10,0	ASTM D2896
Sulphated ash	%wt.	1,3	DIN 51 575

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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