



# RAVENOL Agrar Synto Premium SAE 5W-30

**Kategorie:** Engine oil for agricultural vehicles and construct

**Artikelnummer:** 1310200

**Viscosity:** 5W-30

**Specifications:** ACEA E11, ACEA E6, ACEA E7, ACEA E8, ACEA E9, API CK-4, API SN

**Oil type:** Synthetic

**Approvals:** Deutz DQC IV-18 LA

**Recommendations:** Caterpillar ECF-3, Cummins CES 20086, DAF DAF PSQL 2.1E LD, Detroit Diesel Corporation (DDC) DFS93K222, DTFR 15C110, DTFR 15C120, Ford WSS-M2C213-A, JASO DH-2, Mack EOS-4.5, MAN 3691, MAN M 3271-1, MAN M 3477, MAN M 3677, MAN M 3775, MB 228.51, MB 228.52, MTU Typ 3.1, Renault VI RLD-3, Scania LDF-4, VOLVO VDS-5



10L | 1310200-010

20L | 1310200-020

20L | 1310200-B20

60L | 1310200-060

60L | 1310200-D60

208L | 1310200-208

208L | 1310200-D28

1000L | 1310200-700

**RAVENOL Agrar Synto Premium SAE 5W-30** is a synthetic, fuel-saving “Low SAPS” agricultural diesel engine oil based on the latest additive technology with selected base oils. It has been specially developed for diesel engines under the most severe operating conditions in all seasons. Excellent suitability for use in EURO 4, EURO 5 and EURO 6 engines in combination with low-sulfur low-sulfur diesel fuel.

**RAVENOL Agrar Synto Premium SAE 5W-30** is suitable for use in engines with and without particle filters and catalytic converters and is designed for low SAPS technology (Low sulfur, phosphorus, and ash content). The SAE 5W-30 viscosity range ensures reliable cold starts at low outside temperatures and full lubricity at high operating temperatures. Minimizes friction and wear.

**RAVENOL Agrar Synto Premium SAE 5W-30** is characterized by increased oxidation and shear stability as well as improved air release properties in order to meet and exceed the latest API CK-4 requirements.

## Application instructions

**RAVENOL Agrar Synto Premium SAE 5W-30** is a high-performance engine oil that can be used all year round and is designed for the new exhaust emission guidelines as well as for agricultural vehicles with exhaust gas recirculation systems.

**RAVENOL Agrar Synto Premium SAE 5W-30** is universally compatible with all diesel engines with and without turbocharging, following the manufacturer's guidelines. Suitable for EURO 4, EURO 5, and EURO 6 engines.

## Characteristics

- Very stable and excellent viscosity behavior and high shear stability
- Very good cold start properties
- Low SAPS = low sulfate ash, phosphorus, and sulfur

- Excellent high-temperature stability
- Excellent detergent and dispersant properties
- Cost-effectiveness due to low fuel consumption
- Maintains the effectiveness of exhaust gas purification systems over a very long service life
- Excellent cold start behavior, rapid engine oil circulation even at low temperatures
- Prevents power loss due to clogged diesel particulate filters
- Fuel savings under all operating conditions
- Can also be used in many commercial vehicles without diesel particulate filters
- Improves engine efficiency

## Technical Product Data

CHARACTERISTICS	PROPERTY	DATA	AUDIT
Colour		braun	VISUELL
Sulphated Ash	%wt.	0,97	DIN 51575
tbn	mg KOH/g	9,6	ASTM D2896
Viscosity at 100 °C	mm <sup>2</sup> /s	12,2	DIN 51562-1
Viscosity at 40 °C	mm <sup>2</sup> /s	73,6	DIN 51562-1
Viscosity Index VI		164	DIN ISO 2909
CCS Viscosity at -30 °C	mPa*s	5994	ASTM D5293
Density at 20 °C	kg/m <sup>3</sup>	852,6	EN ISO 12185
Flashpoint	°C	240	DIN EN ISO 2592
Low Temp. Pumping viscosity (MRV) at -35 °C	mPa*s	23.200	ASTM D4684
Noack Volatility	% M/M	9,2	ASTM D5800
Pourpoint	°C	-46	DIN ISO 3016