

With immediate effect,
we are able to offer you the following products
with an additional approval from BMW:

RAVENOL Arctic Low SAPS ALS SAE 0W-30 Now with the new approval: BMW Longlife-04

RAVENOL Arctic Low SAPS ALS SAE 0W-30 is a fully synthetic, fuel economy low friction motor oil with CleanSynto® Technology for petrol and diesel engines of high performance vehicles and vans with Diesel Particular Filter DPF and Three-Way Catalyst, which require HTHS >3,5 mPa*s.

RAVENOL Arctic Low SAPS ALS SAE 0W-30 is based on additives which

APPLICATION DIRECTIONS:

RAVENOL Arctic Low SAPS ALS SAE 0W-30 is a universal fuel economy, especially formulated engine oil for modern gasoline and diesel engines in passenger cars and vans with extended oil change intervals. It extends the lifespan of the particle filter. Due to the specific composition **RAVENOL Arctic Low SAPS ALS SAE 0W-30** is excellent suitable for use for indicated OEM requirements.

prolong the lifetime of Diesel Particular Filter DPF and Three-Way Catalyst.

RAVENOL Arctic Low SAPS ALS SAE 0W-30 achieved by its formulation with special base oils a high viscosity index. The excellent cold start behaviour ensures a optimal lubrication safety in the cold running phase.

and

RAVENOL VollSynth Turbo VST SAE 5W-40 Now with the new approval: BMW Longlife-01

RAVENOL VollSynth VST SAE 5W-40 is a fully synthetic low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. It minimizes friction, wear and fuel consumption with excellent cold start characteristics.

Extended oil change intervals according

APPLICATION DIRECTIONS:

RAVENOL VollSynth Turbo SAE 5W-40 is suitable for the energy saving operation all the year of all modern cars with petrol and diesel engines in passenger cars, vans, small transporters and similar vehicles and was specially developed for turbo chargers as well as the catalytic operation.

to manufacturer's recommendation are possible.

RAVENOL VollSynth Turbo VST SAE 5W-40 guarantees operational safety concerning in all driving conditions as for example regarding extreme stop and go traffic as well as in high speed drives on motorways.



1. RAVENOL Arctic Low SAPS ALS SAE 0W-30

ARTICLE NUMBER: CONTAINER SIZE:

111137-001	20 x 1L bottle
111137-004	4 x 4 L bottle
111137-005	4 x 5 L bottle
111137-010	1 x 10 L canister
111137-020	1 x 20 L Bag in box
111137-020	1 x 20 L canister
111137-060	1 x 60 L Design barrel
111137-060	1 x 60 L Fass
111137-208	1 x 208 L Design barrel
111137-208	1 x 208 L Fass
111137-700	1 x 1000 L IBC

SPECIFICATIONS:

ACEA C3

APPROVALS:

MB-Approval 229.51, BMW Longlife-04

RECOMMENDATIONS:

Honda, Nissan, Mazda, Suzuki, Toyota, Chrysler MS-11116

2. RAVENOL VollSynth. Turbo VST SAE 5W-40

ARTICLE NUMBER: CONTAINER SIZE:

111136-001	20 x 1L bottle
111136-004	4 x 4 L bottle
111136-005	4 x 5 L bottle
111136-010	1 x 10 L canister
111136-020	1 x 20 L Bag in box
111136-020	1 x 20 L canister
111136-060	1 x 60 L Design barrel
111136-060	1 x 60 L Fass
111136-208	1 x 208 L Design barrel
111136-208	1 x 208 L Fass
111136-700	1 x 1000 L IBC

SPECIFICATIONS:

API SN/CF, ACEA A3/B4

APPROVALS:

MB-Approval 229.5, Porsche A40, VW 502 00/505 00, BMW Longlife-01

RECOMMENDATIONS:

Opel GM-LL-B-025, Renault RN0700 / RN0710, Fiat 9.55535-Z2, Chrysler MS-12991 (replaces MS-10896), MS-10850, MS-10725 (Fiat 9.55535-GH2 und Fiat 9.55535-Z2)

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BACKGROUND INFORMATION CONCERNING THE APPROVALS

BMW Longlife-04 and BMW Longlife-01

BMW Longlife 04 engine oils have been developed for BMW engines from 2004 onwards - for both diesel and petrol engines. In contrast to the BMW Longlife 01 engine oil, which is only suitable for gasoline engines, the LL 04 oil is a low SAPS oil. It is therefore designed for the special requirements of diesel engines with DPF (diesel particulate filter). Petrolmotors that require a LL 01 oil can also use a LL 04 oil. BMW diesel cars with DPF have to use a Longlife 04 oil.

MB 229.51 multigrade service engine oil Low SPAsh

Engine oil with low sulphur, phosphorus and sulphated ash content - Low SPAsh.

All engine oils with this approval are so-called "Low SPAsh" multigrade engine oils. They all have a lower proportion of sulphur (S), phosphorus (P) and sulphated ash (SA). Diesel engines with a particulate filter (DPF) primarily require these low-ash engine oils. In addition, MB 229.51 promises better fuel consumption compared with MB 229.5.

Note:

- MB 229.51 is backwards compatible to MB 229.31: in each case the requirements are more stringent compared with older specification 229.5/229.3/229.1,
- MB 229.51 and MB 229.31 are therefore not backwards compatible with older specifications 229.5/229.3/229.1

The following engines are compatible with MB 229.51:

- Petrol engines: M 156 (only SAE 0W-40 or 5W-40), M 132 (ROW), M 266, 271.
- Diesel engines without a particulate filter: OM 640, 642, 646, 611 in BR9xx (Sprinter), 660.
- Diesel engines with a particulate filter: OM 629, 640, 642, 646, 660 (EU3/EU4 with unregulated particulate filters).

A prerequisite is the use of low sulphur (<50 ppm) or sulphur-free (<10 ppm) fuel, otherwise the oil change intervals reduce.

Engine oils which are manufactured in accordance with the MB 229.51 specifications can be used for petrol and diesel engines with or without a particulate filter.

You will find a lot of further RAVENOL oils for your vehicle or application on our website with the help of our oil finder at www.ravenol.de/en/oil-guide.html. You are guaranteed to find the right oil here.



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111137-060	1 x 60 L Fass
111137-208	1 x 208 L Design barrel
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111137-700	1 x 1000 L IBC

SPECIFICATIONS:
ACEA C3

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