



RAVENOL High Fuel Economy HFE SAE 5W-16

RAVENOL High Fuel Economy HFE SAE 5W-16 is fully synthetic, smooth-running motor oil with CleanSynto® technology of the new SAE category 5W-16 for passenger cars, petrol engines with and without turbocharging and direct injection. RAVENOL High Fuel Economy HFE SAE 5W-16 is recommended especially for hybrid vehicles.

RAVENOL High Fuel Economy HFE SAE 5W-16 was formulated with tri-nuclear molybdenum and OFM (Organic Friction Modifiers), in order to achieve minimal friction, wear and fuel consumption whilst realising excellent cold start properties. Extended oil change intervals according to manufacturer's specifications.

The excellent cold start performance ensures optimum lubrication reliability in the cold running phase. A fuel consumption is achieved thanks to the smooth-running properties of the new SAE category 5W-16.

RAVENOL High Fuel Economy HFE SAE 5W-16 makes its contribution to protecting the environment by reducing emissions.

Application Notes

RAVENOL High Fuel Economy HFE SAE 5W-16 is suitable as a high performance, smooth-running engine oil for sophisticated engines. It is recommended for modern passenger car petrol engines, if the engine manufacturer recommends using a low viscosity oil with the viscosity category 5W-16.

Quality Classifications

RAVENOL High Fuel Economy HFE SAE 5W-16 is approved, tried and tested for aggregates specifying:

Specifications

API SN

Practice and tested in aggregates with filling

Honda 08215-99974, 08216-99974, 08232-P99S1LHE, Honda Ultra Next, Ultra Green, Hybrid Engine Nissan KLANM-01A04 Extra Save X Eco, Mitsubishi MZ102661, MZ102662, Mitsubishi DiaQueen ECO Plus, Toyota 0880-11005

Characteristic

RAVENOL High Fuel Economy HFE SAE 5W-16 offers:

- Fuel saving in partial and full load operation
- Excellent wear protection and a high viscosity index ensure the long service life of the engine even under high speed driving conditions.
- Excellent cold start properties even at low temperatures of below -30°C.
- A reliable lubrication film even at high operating temperatures.
- Low volatility, resulting in low oil consumption.
- No oil-related deposits in combustion chambers, in the piston ring zone and on valves.
- Compatible with sealing materials.
- Extended oil change intervals protect natural resources.

Characteristics	Unit	Data	Audit
Colour		yellow-brown	visual
Density at 15°C	kg/m ³	850,8	EN ISO 12185
Viscosity at -30°C	mPa.s	4461	ASTM D5293
Viscosity at 40°C	mm ² /s	41,61	DIN 51 562
Viscosity at 100°C	mm ² /s	7,49	DIN 51 562
Viscosity index VI		148	DIN ISO 2909
Pourpoint	°C	-50	DIN ISO 3016
TBN	mg KOH/g	8,19	DIN ISO 3771
Noack Volatility	%	7,2	ASTM D5800/b
HTHS at 150°C	mPa*s	2,5	CEC L-036-90

All indicated data are approximate values and are subject to the commercial fluctuations.

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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