

Certificate / ProductInformation

RAVENOL High Fuel Economy HFE SAE 5W-16

Art. 1111104

CleanSynto®

Description:

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 Directions:

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 Classification:

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

Specification: API SN

Recommendations: 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 08880-11005

Technical Characteristics:

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.

Technical Values:

Characteristics		unit	data	test according to
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
	at 40°C	mm ² /s	41,61	DIN 51 562
	at 100°C	mm ² /s	7,49	DIN 51 562
Viscosity index VI			148	DIN ISO 2909
Pour point		°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.