

# Product information

## Synthoil Energy 0W-40

PI 34/14/04/2020



### Description

Synthoil Energy SAE 0W-40 is a modern, fully synthetic, low friction motor oil for all season use. The combination of unconventional synthetic-based oils using advanced additive technology ensures low viscosity and high shear stability for the motor oil and reliably prevents the formation of deposits, reducing frictional loss in the engine and providing the optimal protection from wear. Synthoil Energy SAE 0W-40 is recommended for gasoline and Diesel engines, including engines with turbochargers and catalytic converters.

### Properties

- instant lubrication after cold start
- outstanding engine cleanliness
- high lubrication reliability
- high wear resistance
- highest fuel economy
- low evaporation loss
- tested for turbochargers and catalytic converters
- outstanding high temperature stability
- optimum oil pressure under all operating conditions

### Specifications and approvals:

ACEA A3 • ACEA B4 • API SN

**LIQUI MOLY also recommends this product for vehicles or assemblies for which the following specifications or original part numbers are required:**

BMW Longlife-98 • Ford WSS-M2C 937-A • MB 229.3  
• Porsche A40 • VW 502 00 • VW 505 00

### Technical data

SAE class (engine oils)	0W-40 SAE J300
Density at 15 °C	0,845 g/cm <sup>3</sup> DIN 51757
Viscosity at 40 °C	81,0 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at 100 °C	14,0 mm <sup>2</sup> /s ASTM D 7042-04
Viscosity at -40°C (MRV)	< 60000 mPas ASTM D4684
Viscosity at -35°C (CCS)	<= 6200 mPas ASTM D5293
Viscosity index	179 DIN ISO 2909
HTHS at 150°C	>= 3,5 mPas ASTM D5481



### Technical data

Pour point	-48 °C DIN ISO 3016
Evaporation loss (Noack)	10,0 % CEC-L-40-A-93
Flash point	230 °C DIN ISO 2592
Total base number	10,5 mg KOH/g DIN ISO 3771
Sulfate ash	1,0 - 1,6 g/100g DIN 51575
Color number (ASTM)	L3,5 DIN ISO 2049

### Areas of application

Optimal for modern passenger vehicles with gasoline and diesel engines with and without turbochargers and with and without charge air cooling. Especially suitable where there are long intervals between oil changes and heavy duty engine requirements.

### Application

The operating instructions of the vehicle and engine manufacturers must be followed.

### Available pack sizes

1 l Canister plastic	9514 BOOKLET
1 l Canister plastic	1794 D-GB-KOREA
1 l Canister plastic	20701 D-GB-CN
1 l Canister plastic	20909 JP
4 l Canister plastic	2451 BOOKLET
4 l Canister plastic	21101 D-GB-CN
5 l Canister plastic	9515 BOOKLET

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### Available pack sizes

5 l Canister plastic	20910 JP
5 l Canister plastic	20990 D-GB-CN
20 l Canister plastic	1362 D-GB-I-E-P
20 l Canister plastic	20932 JP
60 l Drum sheet metal	1363 D-GB
205 l Drum sheet metal	1364 D-GB

**Our information is based on thorough research and may be considered reliable, although not legally binding.**