

**ORLEN OIL MAX EXPERT HYBRID 5W-30****Characteristics:**

The latest generation of synthetic engine oil, exceeding the demanding requirements of low-emission hybrid cars. The unique formulation provides increased engine protection against wear - when operating under stressful frequent stop/start cycles, while maintaining maximum performance and power for hybrid vehicles.

The use of ORLEN OIL MAX EXPERT HYBRID 5W-30 guarantees:

- quick start-up and adequate lubrication at lower operating temperatures,
- excellent friction reduction,
- highest thermal and oxidation stability,
- highest protection against sludge formation and corrosion from condensation water,
- increased protection against deposits and wear throughout the entire oil change interval,
- keeping the engine clean,
- protection against LSPI,
- reduced operating costs through high fuel efficiency
- ideal operation of equipment and maximum protection of exhaust gas aftertreatment systems,
- reduced emission of harmful compounds to the environment.

**Application:**

ORLEN OIL MAX EXPERT HYBRID 5W-30 is designed for all-year-round use, primarily in modern, fuel-efficient petrol engines used in Mild Hybrid (MHEV), Full Hybrid (HEV) and Plug-In Hybrid (PHEV) hybrid vehicles.

Recommended for hybrid car models for which the manufacturer recommends an oil in the viscosity grade and quality specified in the product description. Officially approved for the latest vehicle models: Mercedes-Benz Group, specification MB-Approval 229.52, viscosity 5W-30; BMW Group, specification BMW Longlife-04, viscosity 5W-30. Recommended for cars Mercedes, BMW, Toyota, Suzuki, Lexus.

Quality class:

API SP, SN PLUS RC, SN PLUS, SN-RC, SN

Viscosity grade:

SAE: 5W-30

Standards, approvals, specifications

**Approvals:**

MB-Approval 229.52

BMW Longlife-04

Physical and chemical properties

Parameters	Units of measurement	Typical values
viscosity grade SAE	-	5W-30
kinematic viscosity at 100°C	mm <sup>2</sup> /s	11,4
structural viscosity CCS -30°C	mPa*s	5469
viscosity index	-	173
TBN base number	Mg KOH/g	8.5

Notice: The above physiochemical parameters are typical. The actual values are included in the quality certificates enclosed to each product batch.

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