



## MOTUL NGEN HYBRID 0W-12



**Eco designed Fuel Economy motor oil - Gasoline engines  
Sustainable Synthetic blend**

### TYPE OF USE

Innovative and durable synthetic engine lubricant specially designed for Hybrid Electric Vehicles (H.E.V) and Plug-in Hybrid Electric Vehicles (P.H.E.V) fitted with recent gasoline engines, turbocharged or naturally aspirated, direct or indirect injection, designed to use SAE 0W-12 oil with low friction and low HTHS (High Temperature High Shear) viscosity ( $\geq 2.0$  mPa.s).

MOTUL NGEN HYBRID 0W-12 is especially formulated for the technical challenges imposed by Gasoline Hybrid cars, such as fuel dilution, water emulsion, high numbers of stop/start events and lower oil temperature conditions.

This state-of-the-art formulation is part of a whole new Motul sustainable concept as it contains 25% of premium regenerated base oils and is filled in a 50% recycled and 100% recyclable Motul can, allowing Motul to lower its carbon footprint during the manufacturing process.

MOTUL NGEN is the common naming to qualify the sustainable ranges at Motul, using different technologies into the formulations and packaging to reduce its carbon footprint.

MOTUL NGEN is the common naming to qualify the sustainable ranges at Motul using different technologies into the formulations and packaging to reduce its environmental footprint and favorise the circular economy.

This dedicated formula can also be used for gasoline engines requiring a viscosity grade SAE 0W-12 lubricant or a "Fuel Economy" lubricant in viscosity grade 12.

MOTUL NGEN HYBRID 0W-12 is also suitable for battery electric vehicles (B.E.V) fitted with thermal gasoline engine used as Range Extender.

Compatible with catalytic converters and particulate filters.

This type of oil may be unsuitable for use in some engines. Refer to the owner manual if in doubt.

### PERFORMANCES

RECOMMENDATIONS HONDA, TOYOTA

Viscosity grade SAE 0W-12 minimizes seriously lubricant hydrodynamic friction, allows maximum fuel economy benefits especially when the oil is cold.

This ultra-low viscosity grade also improves oil flow at start up, delivers faster oil pressure build up, faster rev raisings and allows to reach operating temperature faster, regardless of engine operating mode.

MOTUL NGEN HYBRID 0W-12 is specially formulated to meet the specific challenges of hybrid electric vehicles, such as HEV, PHEV and BEV with Range Extender, on which numerous and multiples unexpected stops and starts of the Gasoline

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.

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engine are involved during the different operating phases of the hybrid vehicle. This particular mode of operation of the internal combustion engine on a hybrid vehicle generates very specific constraints for the lubricant such as fuel dilution, water emulsion, high numbers of stop/start events and working at lower oil temperature conditions which generate increased oxidation, and for that purpose, MOTUL NGEN HYBRID 0W-12 fully meets all these demanding requirements. Environment friendly, this type of oil allows fuel consumption reduction and therefore minimizes greenhouse gases (CO<sub>2</sub>) emissions.

### RECOMMENDATIONS

Drain interval: according to manufacturers' recommendations and tune to your own use.

MOTUL NGEN HYBRID 0W-12 can be mixed with synthetic or mineral oils.

Before use always refer to the owner manual of the vehicle.

### PROPERTIES

Viscosity grade	SAE J 300	0W-12
Density at 20°C (68°F)	ASTM D1298	0.837
Viscosity at 40°C (104°F)	ASTM D445	29.7 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D445	6.0 mm <sup>2</sup> /s
HTHS viscosity at 150°C (302°F)	ASTM D4741	2.0 mPa.s
Viscosity Index	ASTM D2270	154.0
Pour point	ASTM D97	-42.0 °C / -44.0 °F
Sulfated Ash	ASTM D874	% weight 0.72
TBN	ASTM D2896	7.2 mg KOH/g
Flash point	ASTM D92	228.0 °C / 442.0 °F

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