



## Press Release



## Fit for hybrid

### Efficient lubricant technologies for hybrid vehicles

**EISLINGEN, 31 May 2021 - "Ready for Hybrid" is the name of the Divinol brand automotive oils from Zeller+Gmelin. The Eisligen-based lubricant experts are thus reacting to the increasing hybrid use of vehicles with electric and combustion engines. In future, users will recognise the designated engine and transmission oils by the "Hybrid Ready" seal.**



Hybrid vehicles and their environmentally friendly technology are becoming increasingly popular. They combine the advantages of the combustion engine with the goals of CO<sub>2</sub> reduction. However, many drivers know little about how the engines work, the types of alternative powertrains and the central importance of engine and transmission oils in hybrid systems.

To provide qualitative support for hybrid drive models, the lubricant experts at Zeller+Gmelin regularly conduct comprehensive long-term tests with vehicles from recognised manufacturers. The most recent result: Due to their excellent lubricant properties, various engine and automatic transmission oils of the proven Divinol brand are currently suitable for year-round use in hybrid vehicles.

#### Divinol engine oils for year-round use

"When people talk about hybrid vehicles, many still associate the image of a completely new technology," says Andreas Krapf, Product Manager Automotive at Zeller+Gmelin. However, this is only partly true, as hybrids mostly incorporate proven technology from the combustion engine and powertrain. "Since the requirements for the oils have so far differed only slightly to not at all from common lubricants, the OEMs have therefore also frequently adopted existing oil in the hybrid technology. Nevertheless, we live up to our responsibility as a supplier by implementing the manufacturers' specifications very precisely and also making this transparent to our users. All Divinol oils that are labelled "Hybrid Ready" by us have excellent temperature-viscosity properties. Friction and fuel consumption are thus kept as low as possible. Even when cold, hybrid vehicles are fully protected against wear and corrosion."

Accordingly, mainly oils with cold characteristics 5W or 0W as well as viscosity grades with smooth running characteristics from SAE 20 to SAE 30 or lower, depending on the manufacturer's specifications, are predestined. The portfolio of "hybrid ready" Divinol engine oils for petrol and electric drives (hybrid) currently includes Divinol Syntholight SAE 0W16, Divinol Syntholight C5 SAE 0W20 and Divinol Syntholight WV 0W20. All products have been successfully tested for use and are particularly suitable for hybrid models from Audi, Mercedes-Benz, VW, Skoda, Toyota and Honda.



# ZELLER+GMELIN

## **High wear protection for gear oils**

In the transmission sector, manufacturers of hybrid vehicles rely almost exclusively on automatic transmissions. However, this also results in new requirements for the development of suitable transmission oils. "The electric motor works like a generator; when braking and accelerating, large amounts of energy flow back into the engine, which releases a lot of heat," explains Andreas Krapf. "To withstand these loads, the gear oils need excellent heat dissipation through high thermal conductivity and specific heat capacity. Equally necessary is good material compatibility, such as special copper corrosion properties, as well as low electrical conductivity to prevent wear in the long term."

The "Hybrid Ready " Divinol automatic transmission oils currently include the products Divinol ATF Premium VI LV (common quality for factory-fills in hybrids or battery-powered electric vehicles), Divinol ATF Pro 9G LV, Divinol DSG Fluid for hybrid vehicles with dual clutch transmissions as well as Divinol CVT Fluid for many Asian vehicles with E-CVT drive.

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**EXPERTLY DONE.**

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