

DURAPHOS® 178

An excellent anti-wear / extreme pressure additive for e-driveline and metalworking fluids

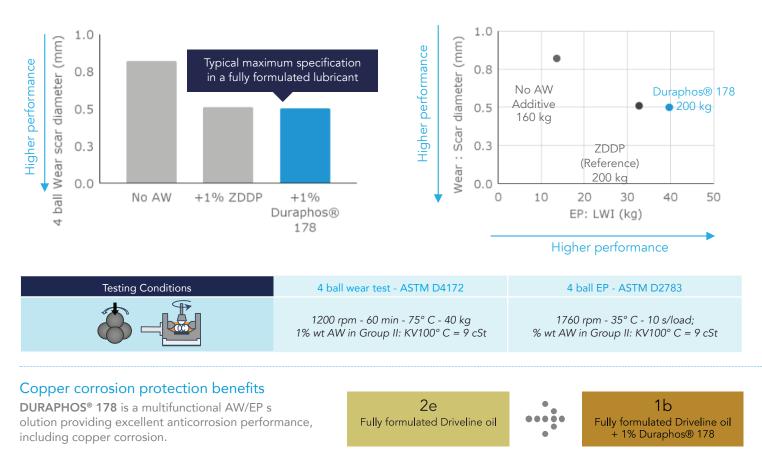
The vehicle electrification process brings technical challenges to the automotive lubricant industry, which leads to a technology shift that requires fluids with enhanced efficiency, metal-free and sulfur-free and compatible with Copper. ZDDP-based products are very popular and are still used in engine oil, however, in transmission and gear oils it has been progressively replaced by other technologies and is unlikely to be used in EVs due to their inherent limitations.

Features and Benefits

- Metal-free and Sulfur-free
- High copper corrosion protection
- Outstanding anti-wear performance with extreme pressure capability

Metal-free, Sulfur-free uncompromising Anti-wear performance with Extreme pressure benefits

DURAPHOS® 178 presents equivalent anti-wear performance to ZDDP, with same level of performance in fully formulated gear oils and electric vehicle fluids, while being ashless. Another advantage of **DURAPHOS® 178** is its extreme pressure capability, with better performance than ZDDP, providing a medium extreme pressure performance. It also presents friction behavior fitting with driveline system requirements.



Testing Conditions

ASTM D130 : 3h @ 121° C, fully formulated driveline oil



Learn more about our specialty additives for lubricants and metalworking fluids by visiting our new <u>online hub</u> and download our brochure. <u>Contact us</u> for more information or a sample.

Disclaimer

The Solvay Group company issuing or distributing this document is doing so in its own name or on behalf of its affiliated companies (collectively, "Solvay"). Solvay declines any liability with respect to the use made by anyone of the information contained herein. The information contained herein represents Solvay's best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, regarding the accuracy, the completeness or relevance of the data set out herein). Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of Solvay or of any third party. The information relating to the products is given for information purposes only. No guarantee or warranty is provided that the product and/or information is adapted for any specific use, performance or result and that product and/or information do not infringe any Solvay and/or third party intellectual property rights. The user should perform its own tests to determine the suitability for a particular purpose. In using Solvay's products, the user is reminded to comply with all relevant legal, administrative and regulatory requirements and procedures relating to their use and the protection of human health and the environment. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights of Solvay and/or third parties remains the sole responsibility of the user.