

Press release

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Multigrade oils from MAHLE ensure air conditioning compressors are cost-effectively and reliably lubricated

- PAO 68 oil from MAHLE: a simple and economical solution for independent workshops
- High-performance lubrication and optimal protection of air conditioning compressors guaranteed at all times

Multibrand workshops often face challenges during the A/C service when it comes to keeping a multitude of different PAG compressor oils in stock. Because of their hygroscopic properties, they soon absorb water when opened or improperly stored and must then be disposed of. PAO 68 oil from MAHLE is a far more practical and cost-effective solution for workshops. It's suitable for many types of compressor, nonhygroscopic, and compatible with numerous other lubricants and refrigerants. Reliable lubrication of the air conditioning compressor is thus guaranteed whenever this product is used.

During manufacture, special additives are added to the base PAO (polyalphaolefin) to ensure the oil's outstanding characteristics. As a result, PAO 68 oil from MAHLE is a unique combination of highly refined synthetic oil and performance-enhancing additives.

PAO 68 oil is also compatible with many other lubricants and refrigerants. When used in combination with PAG oil and refrigerants, it can be mixed with other oils as required, but only to a certain extent. Its molecular structure and density mean that it separates out again when it settles. This means that PAO 68 oil doesn't form permanent bonds, with the result that the necessary viscosity of the oils is maintained and changes to their

overall viscosity are excluded. In view of these characteristics, PAO 68 oil can be used both when topping up and when changing the system's entire oil volume.

“Of course, we also offer PAG oils in all the usual grades for those workshops that specifically ask for them. But one thing's certain: we've yet to observe any disadvantages when changing from PAG oils to PAO 68 oil in practical use. So, the advantages of making the switch are clearly evident as far as workshops are concerned,” says Olaf Henning, Corporate Executive Vice President and General Manager MAHLE Aftermarket.

Simplified storage is not the only benefit of MAHLE's PAO 68 compressor oil's nonhygroscopic nature. When used on its own, humidity-related problems, such as the icing up of components or the formation of acids, can also be combated. In comparison with conventional oils, PAO 68 oil thus offers considerably improved possible uses, protects against wear, and ensures the proper function of the air conditioning compressor.

More specification details: <https://www.mahle-aftermarket.com/eu/de/medien-center/engine-cooling-&-climatization/>

About MAHLE

MAHLE is a leading international development partner and supplier to the automotive industry as well as a pioneer for the mobility of the future. The group's product portfolio addresses all the crucial issues relating to the powertrain and air conditioning technology—both for drives with combustion engines and for e-mobility. In 2018, the group generated sales of approximately EUR 12.6 billion with more than 79,000 employees and is represented in over 30 countries with 160 production locations.

About MAHLE Aftermarket

MAHLE Aftermarket, the business unit specializing in spare parts, uses the expertise from the series production of original equipment in its automotive

aftermarket product range and supplies trade, workshop, and engine repair partners. The portfolio also includes products developed by MAHLE Service Solutions for workshop equipment as well as comprehensive services and customized training programs.

MAHLE Aftermarket is represented at 25 locations and other sales offices worldwide, with around 1,700 employees. In 2018, the business unit achieved a global sales volume of over EUR 928 million.

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