



RUNNING LIKE A
WELL-OILED
MACHINE.

Oil filters

The engine oil reduces friction and wear of the engine, cools the engine components, protects the inside of the engine from corrosion, and seals the combustion chamber with a thin oil film between piston, piston ring, and the working surface of the cylinder, as well as in further crucial areas of the engine. The oil is thus constantly subjected to stress: combustion residues, dust, carbon, soot, abrasion particles, and condensates can contaminate the oil and promote premature wear of engine components.

MAHLE oil filters reliably prevent dirt particles from entering the lubricant circuit and maintain oil quality as well as the performance and efficiency of the engine. Thanks to stable pleat geometry, cold-start stability is assured. Load peaks of up to 20 bar are compensated through the high pressure resistance of the housing. A pressure relief valve guarantees the oil supply under all conditions—for viscous oil as it is encountered during

cold start or at low temperatures, and also for strongly contaminated filter elements when the replacement intervals have been exceeded. An anti-drain valve prevents the draining of the filter when the engine is switched off and secures fast oil supply when the engine is started. High-grade sealing materials and custom-fit connecting pieces guarantee the reliable separation between contaminated and filtered oil.

An important condition for the correct functioning of the oil filters, however, is that filters are replaced within the maintenance intervals stipulated by the vehicle manufacturer.

Oil filter cartridges

With filter cartridges from the OX and OX-Eco range, we offer particularly economical solutions for repair shops: instead of replacing the complete filter, only the dirty filter element has to be exchanged. An ecologically sensible solution that saves material and disposal costs. In the OX-Eco version, the cartridges are metal-free and can therefore be fully incinerated. Oil filter cartridges are available for all oil filters with housings that can be split.



Oil filter cartridges: the ecologically sensible and economical solution.

More efficient replacement

Spin-on oil filters

OC spin-on oil filters can be replaced with ease. The deep-drawn steel sheet housing with powdered coating has a multi-faceted collar to facilitate fast loosening of the filter. The cover plate has a thread for the screw-on spigot and a groove for the seal. The filter element features an internal frame as support against the oil pressure that is directed from the outside to the inside.



The new MAHLE oil filter module for commercial vehicles is highly versatile in terms of integration on both the oil and coolant side. Thanks to the high level of integration, the number of interfaces and sealing points has been reduced. Both weight and costs have been lowered by employing high-performance plastics.

