

Engine oil

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Environmental protection

Modern engine oils improve the overall efficiency of an engine, thereby helping to reduce emissions. Furthermore, modern engine oils which support ash-free combustion help to improve the functional reliability of exhaust gas re-treatment systems like [diesel particulate filters](#). Today's engine oils do not contain chlorine or heavy metals and can easily be recycled. This means that resources are protected.

Function



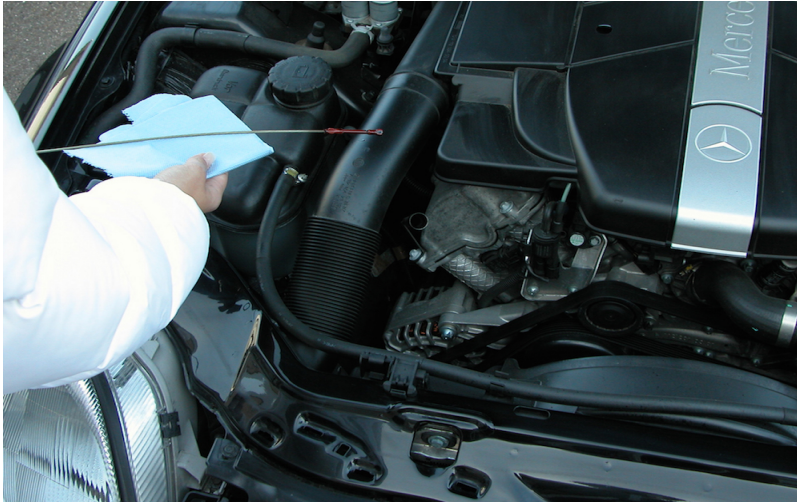
In combustion [engines](#), engine oil fulfils a number of purposes. One of the most important of these is to lubricate mechanical components. Lubrication reduces friction between moving parts and keeps wear to a minimum. Engine oil also has to cool, clean, provide protection against corrosion and seal combustion chambers. Last but not least, it is used for power transmission in hydraulic engine systems (chain tensioners, camshaft adjustment, etc.).

Safety

The engine oil is responsible for ensuring that all engine components are lubricated. It safeguards the reliable running of the engine, thereby contributing to safety on the roads.

Depreciation

To safeguard the operational reliability of an engine and avoid damage caused by engine oil, the oil level must be checked at regular intervals. If the level is too low, the oil must be topped up immediately.



Oil is a wear part. It must be changed at the intervals prescribed by the vehicle manufacturer. If oil is not changed at the prescribed intervals, there is a risk of the mechanical components of the engine wearing more quickly. The consequences of this can be expensive repairs or even the engine being written off.

Oil meeting the quality specifications prescribed by the engine manufacturer must be used both when changing and when topping up oil. This will ensure that the engine will function reliably throughout its service life, running efficiently and emitting low levels of pollutants.



Magneti Marelli_EN



MANN-FILTER



LIQUI MOLY



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Source: <https://www.my-cardictionary.com/dictionary/lubrication/engine-oil>