



## NEW PRODUCT BULLETIN

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A state of the art pre-oil non-solvent internal engine cleaner!



Castrol has launched a new pre-oil change treatment, Castrol Engine Shampoo, which helps maintain the efficient operation of gasoline and light diesel engines. It reduces harmful sludge deposits by up to 85% in gasoline engines (based on sludge clean-up in Castrol internal gasoline engine testing), as shown by tests at the Castrol Technology Centre. Engine sludge builds up over time in an engine, and is not removed during a standard oil change. It can clog vital oil passageways, reducing power, efficiency, and overall engine life.

Engine oil can degrade at very high temperatures and over time this can manifest as a build-up of sludge. This process is exacerbated by frequent short journeys, high-RPM driving such as going uphill, by low-quality fuel, late or missed oil changes, and by the stop-and-go journeys which are becoming increasingly common in our congested cities.



**Castrol Engine** Shampoo YouTube Video



**SCAN ME!** 

**Innovative Pre-Oil Change Treatment** 

**Removes Sludge and Captures Dirt** 

Safety Design (Solvent Free Product)

**Powerful Cleaning Agent for Engines** 

The engine cleaner market is currently dominated by solvent based products that can degrade engine seals and dislodge sludge in the form of larger deposits, causing blockages and leading to oil leaks and ultimately catastrophic engine failure. In fact some solvent based engine flush manufacturers advice is against using their products in worn or heavily sludge contaminated engines. Castrol Engine Shampoo contains solvent-free yet Powerful Cleaning Agent (PCA) additive technology, delivering a deep and gentle clean that dissolves sludge.



Engine Shampoo helps to maintain engine power and efficiency by dissolving and flushing out sludge during the oil change process. The application takes ten minutes prior to servicing and can happen anywhere that the car can be safely parked. After the engine has warmed the oil, it is switched off and 300ml of Engine Shampoo is added. The engine is then switched back on and left idle for ten minutes. The sludge transfers to the engine oil, which is then drained with the engine off. and the filters are replaced. This process maximises the cleanliness of the engine internals, ensuring the new engine oil can perform at optimal levels.