



Product Data

## Castrol Engine Shampoo

Helping maintain engine power and efficiency

### Description

Modern driving creates combustion by-products that can build up in your oil. When these accumulate, they build up to form layers of sludge that can harm engine performance, especially in the latest precision engines.

Castrol "Engine Shampoo" helps to maintain engine power and efficiency. By adding it to the old engine oil and running the engine for ten minutes on idle before changing the oil, sludge and dirt is then removed with the old oil when changed.

### Application

Castrol "Engine Shampoo" is suitable for use in automotive gasoline and light duty diesel engines as part of routine oil changes.

### Conditions of Use

Usage / Precautions

1. Warm-up the engine before use to get the oil to operating temperature
2. Stop the engine and add 300ml of "Engine Shampoo" to the existing engine oil through the filler cap.
3. Re-start and idle the engine for approximately ten minutes.
4. Stop the engine and drain the used engine oil and engine shampoo.
5. Change the oil filter and fill with new engine oil.

- Do not add to gasoline or diesel fuel systems.
- Do not drive with the used engine oil containing "Engine Shampoo".
- Caution should be taken with hot engine oil when changing
- Add 300ml of "Engine Shampoo" for each 3 – 6 litre oil capacity. ( check the engine oil capacity in your owner's manual)
- This product may freeze under extreme cold conditions.
- Do not use in Rotary or 2-stroke engines
- For use on inside of engine only. Do not use for cleaning external surfaces or skin

### Advantages

- Parts-friendly solvent free formulation, designed specifically not to harm engine seals and other parts
- This innovation – Castrol Powerful Cleaning Agent (PCA) - is so powerful it can even dissolve away sludge that has already formed in your engine.
- Helps maintain engine power and efficiency by removing dirt and sludge from engine parts and keeping oil galleries clear
- It's very simple to use: Add Castrol "Engine Shampoo" to the engine just before changing the oil, run the engine for ten minutes on idle, drain and refill with fresh oil

## Typical Characteristics

Name	Method	Units	Castrol Engine Shampoo
Density @ 15C, Relative	ASTM D4052	g/ml	0.88
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	11.3
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	77
Viscosity Index	ASTM D2270	None	138
Pour Point	ASTM D97	°C	-33
Flash Point, PMCC	ASTM D93	°C	208

## Product Performance Claims

Powerful Cleaning Agent "PCA" provides superior cleaning performance.

## Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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