



OCTANE BOOST

The Problem

Modern engines are designed with higher and higher compression ratios which demand a higher Octane Number fuel. The Octane number is often referred to as "Research Octane Number" (RON). If a lower than required RON fuel is used, the engine can have pinging or detonation problems due to auto-ignition.

Petrol engine pinging (knocking) causes severe damage to an engine. Prolonged pinging and detonation can cause loss of power, poor fuel economy and worst of all hammered bearings or damaged pistons.

With the decrease of lead lubrication from everyday fuel, exhaust valves can stick to the valve seating – pulling away small metal particles that oxidise and, in turn, wear away more and more of the seating every time the valve closes.

Wear of the valve seating – or valve-seat recession (VSR) can lead to increased exhaust emissions, poor idling and a loss of power.

Symptoms:

- Engine pinging
- Loss of power
- Poor Fuel Economy
- Poor Idling
- Increased exhaust emissions



Hammered bearings (left) and damaged piston (right) due to prolonged engine pinging & detonation.

The Solution



Product #: 43806

Wynn's® Professional Formula Octane Boost is a specifically formulated, non-leaded fuel additive for petrol engines that increases the octane number of any grade of petrol used.

Wynn's® Professional Formula Octane Boost provides a noticeable improvement to engine power and performance and delivers upper cylinder lubrication (valve seat recession protection) in the process.

Features & Benefits

- Improves engine performance and acceleration
- Increases the Research Octane Number (RON) up to 5 units
- Reduces and prevents pinging of petrol engines
- Avoids mechanical damage caused by pinging (engine knocking)
- Prevents valve seat wear
- Provides upper cylinder lubrication
- Helps reduce intake valve deposits
- Safe for catalytic converters and oxygen sensors
- Safe for use in turbo-charged engines

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