



BP ULTIMATE

BP ULTIMATE, 98 OCTANE UNLEADED FUEL

BP Ultimate is a highly refined petrol with an exceptionally high octane. It has been designed to be used in the following vehicles:

- modern high performance cars and bikes designed to use unleaded fuels of 98 octane.
- It can also be used in cars and bikes designed for Premium Unleaded Petrol (96 octane) but performance benefits may not be so apparent unless the vehicle is fitted with a knock sensor that can adjust the engine to take advantage of the higher octane.
- Pre 1986 cars and bikes and Classic cars and bikes - with an additive to protect against valve seat recession it can also be used in pre 1986 cars that require higher octane fuel. In terms of octane it is equivalent to the British 4 star grade and so is suitable for many classic British sports cars of the 1960s and 1970s.

BENEFITS

Performance and Economy

Many imported and higher performance cars, particularly those with turbochargers, are designed to get best performance from a 98 octane fuel. These vehicles can use lower octane fuels however the necessary ignition timing adjustments required or the action of the knock sensor can result in decreased performance, increased fuel consumption and increased exhaust emissions.

BP Ultimate allows engine management systems to optimise the ignition timing to give full ignition advance for maximum power. Vehicles will then achieve the performance, economy and emissions that the cars were originally designed for, provided they continue to use the 98 octane fuel.

Cleanliness

BP Ultimate contains a deposit control additive to keep inlet valves, fuel injectors and other fuel system components clean. The additive is one that is approved by the USA Environment Protection Authority for controlling deposit build up in engines and so maintaining peak engine performance and assisting to minimise unacceptable exhaust emissions.

Pre 1986 cars and bikes

Pre 1986 cars and bikes will obtain an appreciable benefit from using BP Ultimate provided they also use a suitable additive to protect valve seats from wear.

Many of these vehicles were made when the octane of leaded petrol was 97 or 98. Since then they have had to be tuned to use the lower octane fuel with a resulting loss in performance and economy. Using BP Ultimate will mean that these engines can be tuned to use a fuel octane that they were originally designed for and gain improvements in performance, fuel economy and emissions.

IMPACT ON ENVIRONMENT

BP Ultimate meets the requirements of the Western Australian Environment Protection (Diesel and Petrol) regulations of 1999. It has lower contents of benzene (50% reduction) and sulphur (90% reduction) than Lead Replacement Petrol and unleaded petrol. The additives in BP Ultimate will ensure that engine efficiency is maintained by keeping the engine clean ensuring no deterioration of exhaust emissions during the life of the engine.

STORAGE LIFE

When stored under appropriate conditions, the storage life of BP Ultimate is one year. Note that the volatility of BP Ultimate will change monthly so that there are seasonal variations in composition.

BP ULTIMATE OUTPERFORMS ALL OTHER MOTOR SPIRITS:

Property	Ultimate	Premium Unleaded	Regular Unleaded
RON (min)	98	96	91
Benzene (max % vol)	1	2	2
Sulphur (max ppm)	50	500	500

**For further information, please call the
BP Lubricants and Fuels Technical Helpline
1800 033 558
freecall**

or visit www.bp.com.au/fuelnews