PRODUCT TECH SHEET

ARCHOIL AR6400-P MAX
POLYETHERAMINE CONCENTRATE PROFESSIONAL PETROL CLEANER

AR6400-P MAX supersedes the original and proven AR6400 and continues to utilise the latest-generation port and direct injection detergent technologies blended from high-strength polyetheramine and PIBSI compounds.

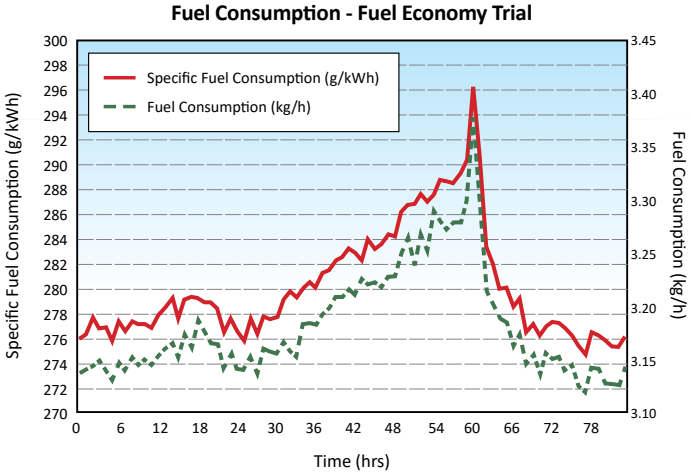
AR6400-P MAX rapidly and safely removes gum, varnish and carbon deposits from the fuel system and engine. The active PEA helps remove post combustion hydrocarbon build-up whilst quickly reducing harmful exhaust emissions.

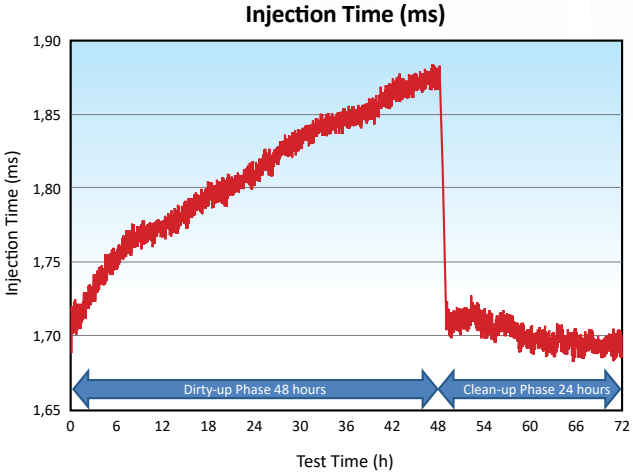
AR6400-P MAX quickly restores lost engine performance and fuel economy in addition to unique properties that help lubricate and protect surfaces from further deposit build-up. Molecule by molecule deposits are safely removed from intake valves, combustion chamber, piston tops, catalytic convertor and O2 (lambda) sensors. AR6400-P MAX improves combustion efficiency and reduces the propensity for pre-ignition/pinking.

AR6400-P MAX is suitable for all 4-cycle gasoline engines, port and direct injection, including ethanol blended fuels and biofuels. Not suitable for 2-cycle engines.

FEATURES / BENEFITS:

- Cleans Harmful Deposits
- Restores Fuel Injector Efficiency
- Restores Fuel Economy
- Restores Power and Performance
- Smooths Rough Idling
- Lowers Harmful Exhaust Emissions
- Reduces Octane Requirement





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HISTORY:

The first family of dispersant/detergents were amines with a polyisobutylene (PIB) tail. The PIB tail gave good solubility and the amine group provided surface activity that lifted deposits from the metal surface. However the PIB tail, as a polymer, gave the undesirable effect of stickiness so the PIB amine had to be combined with a fluidizer to ensure that it flowed through the combustion region of the engine and did not build up any residues. The fluidizer was typically a polyolefin epoxide.

The next generation of chemistries combined the fluidizer with the polymeric amine. These are called polyetheramines or PEA. Polyetheramines do not require the addition of a fluidizer and the oxygen content provides enhanced surface activity.

PIB amines are still widely used in gasoline and perform well. However, PEA's offer improved combustion chamber cleaning efficiency but is considerably more expensive. There is an abundance of supply of PIB amines unlike with PEA; hence the treatment cost is significantly higher. Therefore, PEA's are not widely found in low cost cleaners or are found in reduced quantities. AR6400-P MAX contains the highest safe amount of PEA and accompanying chemistry to effectively and safely remove deposits.

USAGE INSTRUCTIONS:

Effective usage ratio is between 100:1 and 200:1.

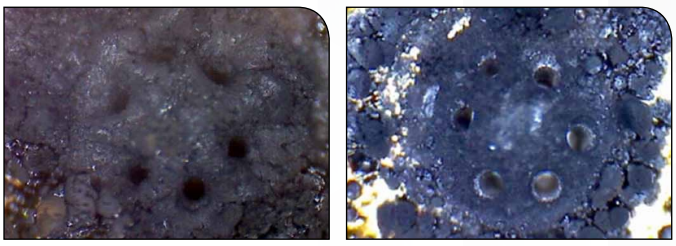
A single 400ml bottle will treat up to 80 litres of petrol. Do not use a full bottle with less than 40 litres of fuel. If the fuel tank holds less than 40 litres of fuel then use half a bottle. Add to fuel tank first then fill up with fuel immediately afterwards.

Use every 5,000 miles. For continued results follow up regularly with Archoil AR6900-P MAX.

PACKAGING:

100ml bottle for Motorcycles, 400ml can, 5 Litre container, 200 Litre container and 1,000 Litre IBC.

INJECTORS - BEFORE & AFTER



INTAKE VALVE CARBON DEPOSITS - BEFORE & AFTER

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