



Fuel Injector Cleaner

Bardahl Fuel Injector Cleaner is a fuel detergent additive with excellent water dispersion properties. It is designed to combat common injector and fuel system problems including:

- 1 Fouled injector nozzles
- 2 Moisture buildup due to condensation
- 3 Fuel line icing
- 4 Corrosion of injector nozzles

The problem

There has been an increase in injector fouling problems in a variety of Japanese, European and North American vehicles. Manufacturers have reported warranty repairs and claims involving rough idle and engine damage due to fouling or plugging of port-injector nozzles.

Water in fuel is an annoying and potentially dangerous problem in fuel injection systems. Even low levels of water due to moisture condensation can cause filter plugging, ice formation in fuel lines and corrosion of port-injector tips.

Numerous studies have shown that the condition of the fuel delivery systems has a significant effect on fuel economy and engine performance. Dirty or poorly maintained systems cost the vehicle owner in terms of increased fuel usage, poor engine response, increase maintenance and excessive downtime.

Intake valve and port deposits are a more recent problem. European Manufacturers such as BMW and AUDI have reported performance difficulties at start up due to intake valve and port deposits. Similar problems are surfacing in Japanese and North American vehicles. Most detergents used in commercial gasoline appear to compound the foregoing.

Corrosion of fuel system parts, especially in port fuel injected vehicles continues to be a problem. Most commercially available gasoline's have inadequate additive levels to control corrosion. The condition of the fuel delivery systems has a significant effect on fuel economy and engine performance. Dirty or poorly maintained systems costs the vehicle owner in terms of increased fuel usage, poor engine response, increased maintenance and excessive downtime.

The action

Bardahl Fuel Injector Cleaner contains a blend of solvents and ash less detergents which act to clean and maintain the cleanliness of port injector nozzles and other fuel system components.



Product information

Dispersant/Water Dissolving Agents in **Bardahl Fuel Injector Cleaner** completely disperse small amounts of water in fuel allowing its passage through filters, also preventing it from forming ice in fuel lines and keeping water build up in fuel tanks to a minimum.

Corrosion Inhibitors in **Bardahl Fuel Injector Cleaner** protect injector tips and other fuel system parts from excessive corrosion.

Direction for use

For fast clean-up of engines showing drivability problems, pour two 300ml. cans into petrol tank and fill with petrol. To maintain performance, add one 300ml. can every 3.000 miles (or more frequently if recurring symptoms indicate deposit build-up). The speed with which deposits build varies with make of car, petrol used and driving pattern. Upon opening, use entire contents. **For use with leaded or unleaded fuel. Safe to use with catalytic converters.**

NOTE: Bardahl Fuel Injector Cleaner contains paint removing solvents. AVOID splashing Injector Cleaner on vehicle paint, skin or clothing.

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