



## THE SYMPTOMS

The main reason for Power Steering Pump failure is contamination and debris within the steering system. Any debris in the steering system could lead to a blockage of the critical moving parts. The vanes can become blocked within the rotor, leading to the incorrect fluid pressure being supplied to the flow control valve. Any blockage will reduce the performance of the pump and could lead to a power steering system failure.

## THE SOLUTION

It is essential to correctly flush the system prior to fitting your new BGA Power Steering Pump, to remove any debris and contamination. BGA recommend the use of a flush fluid to clean the steering system and stress the importance of using the recommended power steering fluid according to manufacturer specifications.

## BGA ADVISE

BGA advise, continued maintenance of the Power Steering System, it is much more cost effective to flush and replace the Power Steering Fluid, than have to replace the pump or the entire Power Steering System.

Steering fluid is designed with certain properties as:

- Anti-friction agents: that will reduce the friction avoiding noise during operation
- Optimal viscosity: Protects the system in a wide range of operating temperatures
- Corrosion and seal protection: High protection of the materials of the steering system against moisture and acidic substances. Compatible with present material on the system as hoses or seals.

**! THEREFORE AN OVERDUE FLUID OR CONTAMINATED FLUID WILL AFFECT DIRECTLY ON THE FLUID PROPERTIES AND WILL CAUSE A PREMATURE FAIL ON THE STEERING SYSTEM.**

## KNOW YOUR FLUID

Power Steering Pumps. General Advice



### Recommended P.S Fluids

1. **Red** - ATF Dexron II protects against wear and helps prevent squeals. Recommended for all power steering system applications where an ATF Dexron type fluid is required
2. **Orange** - Synthetic Hydraulic fluid offering excellent wear protection and corrosion control, Recommended for some Citroen / Peugeot applications
3. **Green** - Central Hydraulic Fluid (CHF) provides outstanding protection & wear capabilities. Recommended for Audi, BMW, GM, Mercedes, Mini, Peugeot, Saab, Skoda, Volvo & VW.

### Used P.S Fluid:

- A. **Over Due** - Time to change the Power Steering Fluid, it has started to lose the key properties that ensure optimum performance. Also the fluid is subjected to the early stages on contamination.
- B. **Contaminated** - Fluid excessively contaminated and drastically degraded. At this point damage is occurring in your steering system with continuous use. Fluid should have been changed already, therefore a steering pump change is recommended.



BGA products are to be replaced by an experienced automotive installer. This information is to be used as reference only. Always seek manufacturer specification.

