

## BELT CLINIC

### BEST PRACTICE

GATES AUTOMOTIVE UK

# A FLUSH WILL ALWAYS BEAT A RUN

## DON'T GAMBLE WITH WATER PUMP REPLACEMENT

### THE GARAGE VIEW

BROAD STREET MOTORS, SOUTH WALES

John Rees runs Broad Street Motors, an independent garage in Abersychan. His mechanics have all used the Gates Power Clean Flush.

"Anytime we do a water pump we always flush the system out. We'd always done it manually, using a hose and a standard cleaning agent. It is time-consuming and frankly a bit of a bore, to tell you the truth," he says.

"We've used the Gates tool on a few vehicles, including a VW Transporter and a Fiesta 1.4. We'd have to say it was faster, more efficient and felt much more professional. If you were using it in conjunction with a head gasket, water pump failure or coolant contamination job, it would definitely save you a lot of time."

He says the tool was simple to use and adds that they were up and running after watching a short 5-minute online video. He thinks a tool like this is likely to make a quick return on investment for users.



**T**he coolant runs clear, but don't be fooled! It could contain contaminants that are not always easy to spot or remove.

On installation, the water pump depends on the coolant to lubricate the seal which, in turn, ensures the system remains water-tight. Contaminants compromise the seal, which results in a leak that could cause catastrophic engine damage. And it won't take long.

### Contamination concerns

In addition to protecting the engine from extreme temperatures, the coolant protects the cooling system from rust and corrosion. Over time, the additives in the coolant become

depleted and its protective properties become less effective. If the coolant becomes contaminated with traces of oil, dirt or other harmful particles, the potential for component failure inside the system increases.

Cooling systems become increasingly difficult to flush completely if the accumulation of debris is severe. Allowing the coolant to run out under gravity is asking for trouble. Flushing the system with a traditional hosepipe is common practice but there are residual problems.

A professional flushing tool combines water and air pressure and directs them through the cooling system under careful control in a way that will not damage any of

FIND MORE TIPS AND HINTS IN THE GATES 'TECHZONE' - [WWW.GATESTechZONE.COM](http://WWW.GATESTechZONE.COM)