Driving Down Costs with DIWA Excellence.

SensoTop

Uphill, downhill or on level roads – SensoTop optimally adapts all gear-shifting points to the prevailing route and load situation.

**BASP – acceleration-dependent gear-shifting programs**

Conventional acceleration-dependent gear-shifting programs (BASP) adapt gear-shifting points steplessly – but only within relatively narrow limits – depending on the acceleration and vehicle load. Other influencing factors such as road gradients are not precisely taken into account. The selection between different gear-shifting programs merely allows an approximate adaptation to the existing topography.

**SensoTop – the next step**

The Voith solution – a combination of the proven BASP with a maintenance-free inclination sensor. Only this combination allows fast and precise information about the topography, vehicle load and acceleration. As a result, gear-shifting points are steplessly adapted to all situations for better driving dynamics and optimum fuel consumption.
Optimum fuel consumption with SensoTop

Adaptation to topography and vehicle dynamics

Flat or mountainous terrains, high or low loads – the optimum engine power is always available for the driver. At the same time, fuel consumption is significantly reduced by stepless adaptation of gear-shifting points.

Success in practical operation
SensoTop has proven itself in numerous applications all over the world. In practical operation, fuel saving potentials between 2 % and 7 % – depending on the topography – were realized in comparison with optimized acceleration-dependent gear-shifting programs. This results in noticeably reduced operating costs. At the same time, SensoTop makes a vital contribution to protecting the environment by sustained cuts in CO₂ emissions and particulate matter.