

Driver Performance Assistant

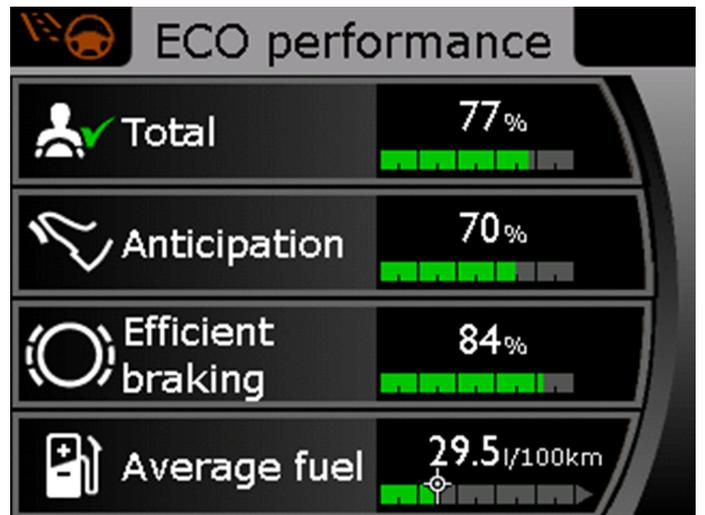
The personal coach to get the best out of every driver



General information

The Driver Performance Assistant (DPA) is an interactive programme to train the driver to achieve the most effective driving style. The Driver Performance Assistant acts as a personal coach to guide the driver into making the best use of the cost saving potential of the vehicle. Not only fuel consumption is determinant in the Total Costs of Ownership (TCO). Brake wear is also an important factor. The direct influence of the driver in this is closely monitored by the Driver Performance Assistant.

Based on the amount of free vehicle roll (Anticipation) and the use of service brakes or retarders (Brake saving) during a trip, overall scores are calculated as percentages. In the ECO performance overview on the instrument panel the scores on Anticipation and Efficient braking are shown as individual values and as an overall score (Total). The driver can hide the ECO performance, in which case only the bar for the overall score will be shown in the bottom of the display. A target value for the fuel consumption can be set with the menu button. The target is shown graphically within the bar graph of the average fuel consumption, within the ECO performance screen. The bar colour is green if the target is met and red if the target is exceeded.



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Anticipation

The weighed factors in anticipation are vehicle rolling distance (no fuel injection) and sharp decelerations. Coaching tips are presented if the vehicle is not sufficiently allowed to roll or if too hard braking is needed to reduce the vehicle speed. The message 'Well anticipated' is a compliment for a driver who performs well in these areas.



Gear shift advice

An advice to select a lower or higher gear may be given for manual gearboxes. Initially a shift-up or shift-down symbol appears in the rev counter. If this hint is ignored for more than 30 seconds, a message will be shown in the central display.



Efficient braking

Making good use of the available retarder systems (MX Engine Brake, ZF Intarder) will minimize wear of the service brake linings. DPA checks the service brake use against possible retarder use and presents tips to coach the driver towards efficient braking systems.



Vehicle tips

Vehicle tips in the menu for Driving support can be retrieved if the vehicle is stationary. Vehicle tips inform the driver how fuel can be saved by smart use of available vehicle systems and correct tyre pressure or roof spoiler adjustment.



Speed control functions

The right use of the various speed control systems will contribute to a higher fuel efficiency. The actual use of Cruise Control, Predictive Cruise Control and Eco mode is monitored against the road and traffic conditions, and coaching messages are generated where appropriate. One of these messages is related to the offset between the settings of cruise control and downhill speed control.

