Case IH develops a new brake system that allows greater control

In order to increase the safety of driving tractors with trailers, Case IH has introduced an intelligent braking system that adapts the deceleration of the trailer to that of the tractor, guaranteeing the stability of the set and avoiding the scissor effect on the trailer. This security solution is already available as an option for the Puma 185, 200, 220 and 240 CVX models.

Its advantages are not limited to road transport in low grip conditions such as ice and snow. The advanced trailer braking system is also a significant advantage on wet roads and when working on a hill, the speed is rotated or reduced in the field. It is very suitable for towing heavy equipment, including large trailers, packers, manure spreader cisterns or trailed sprays, especially in pastures or wet soils. It is also advantageous in the traction of trailers with a pivoting front axle, where the stability decreases if the tractor reduces the speed without having the brakes activated.

In many cases, especially in conditions of strong deceleration in descents and low adhesion, the displaced mass of the towed equipment exerts a force on the tractor that can end up destabilizing

it, producing a total loss of control of the load. This result is known as "*scissor effect".*

The extended trailer braking system from Case IH monitors and detects driving conditions and, when activated, automatically stabilizes the tractor and trailer. When the driver reduces the speed, either by means of the Multicontroller or by releasing the travel pedal, the system measures the input torque of the transmission, thanks to the data obtained by a torque sensor installed on the flywheel, and applies just the deceleration force necessary to safely brake the entire assembly -tractor and trailer-.

TAMBIÉN TE PUEDE INTERESAR: