New: TIM - the fertiliser spreader controls the hydraulic system of the tractor

The new Tractor Implement Management system “TIM” optimises demand-oriented oil supply of hydraulic agricultural accessory equipment like the RAUCH hydraulic fertiliser spreader AXIS-H EMC.

TIM uses the permanent data exchange between the ISOBUS implement ECU of the working equipment and the tractor. The result: Through demand-oriented, stable oil supply, TIM increases the working quality on the one hand and the functional safety of hydraulic accessory equipment. On the other hand, the diesel consumption of tractors is considerably reduced and damage to hydraulic components prevented.

The ideal delivery rate of the oil pump is precisely calculated by TIM for each individual application situation of the implement ECU and immediately provided by the hydraulic tractor system. This way, no undesired vibrations or overload situations occur in hydraulic systems as with conventional constant current or load sensing hydraulic systems. Additionally, the oil pump of the tractor impairs the motor performance less.

The use of a TIM system in combination with a RAUCH AXIS-H 30.1/50.1 EMC (+W) offers impressive diesel saving potentials of 17% in comparison to constant current operation. The requirements are a modern TIM-compliant tractor with ISOBUS implement ECU and an ISOBUS-enabled accessory device.

TIM is the innovative result of the cooperation between John Deere and RAUCH Landmaschinenfabrik GmbH.