Researens on the Hydraulic Systems of Actioning the Suspension Mechanisms at Tractors

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SUMMARY

The agricultural machines are coupled to tractor through the suspension mechanism in three points.

The actioning of the suspension mechanisms is made by some hydraulic systems, which have the following component parts: tank, pump, distributer, valves, hydraulic cylinders, filters and hydraulic prizes.

These systems must assure, between others, lifting in a convenient time of the carried machine from the work position to that of transport position, to allow the maintaining of the machine in any intermediary position, between the lowest limited position and the upper limited position and to assure the possibility to the carried machine to follow the irregularities of the ground during work and finally, to assure the maintaining of the work parameters in different work conditions.

The hydraulic systems used for actioning the suspension mechanisms in three points can be: simple systems of lifting and descenting, systems of adjusting and descenting systems with automatic adjustment.

This paper reffers to simple lifting and descenting systems. Thus, 2 schemes are presented of 2 simple lifting and descenting systems with suspending mechanisms.

REFERENCES