

Hydraulic Cab Suspension

Task Description: **Riding tractor**

Tractor drivers undergo whole body vibrations on the road and on the field.

Comments of the employee:

- ❑ 'No comfortable sitting posture'
- ❑ 'Vibrations (seat, quality floor, hand/arm machinery...)'
- ❑ 'Opportunity to have a break or change activity'

MSD risks:

- ❑ Posture
- ❑ Duration
- ❑ Vibrations (whole body or hand/arm)

Exposed areas:

- ❑ Lower back

Solutions:

- ❑ John Deere – Hydraulic Cab Suspension
 - The cab suspension is permanently active over a way of 100mm. A position sensor determines the middle position of the suspension independent of the load. The cab has
 - Electronic position sensors
 - Hydraulic cylinders connected with gas accumulators to keep the cab vertical
 - Flexible rubber montage points (front) and Elastogran rollers (rear)
 - Panhard bar minimises the lateral and longitudinal movements.

