

Smartshock 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:

- McCormick – Smartshock cab suspension
The new cab suspension has also a displacement of 120mm. The cab is mounted on silent-blocks and cylinders. The new thing is that the cylinders are directly connected to the nitrogen accumulators. A potentiometer is used to manually control the stiffness of the suspension. Two Panhard rods provide the stability of the cab.

